SHRI SHIVAJI EDUCATION SOCIETY, AMRAVATI'S

SHRI SHIVAJI SCIENCE COLLEGE, AMRAVATI



NAAC Accredited by Grade A with CGPA 3.13 (3rd Cycle)
UGC awarded status of College with Potential for Excellence (2nd Phase)
ISO 9000:2015 Certified College
Idenified by DST , Govt. Of India for FIST & Sant GadgeBaba Amravati University as Lead College



4TH Cycle
Assessment & Accreditation by NAAC

Criterion-I
CURRICULAR ASPECTS

Academic Flexibility

QnM – 1.2.2
Number of Add on /Certificate programs offered during the last five years

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Accredited by NAAC with 'A' grade with a CGPA of 3.13
UGC Awarded College with Potential for Excellence ISO 9000:2015 certified College
Identified by DST for FIST and SGB Amravati University as Lead College

Shri Shivaji Science College

Shivaji Nagar, Morshi Road, Amravati - 444 603 M.S.

❖*Founder* : Dr. Panjabrao Alias Bhausaheb Deshmukh
❖*President* : Hon. Shri Harshwardhan P. Deshmukh
❖*Principal* : Dr. G. V. Korpe

E-mail : shivajiscamt.office@gmail.com
Web Site : www.shivajiscamt.org
(O) 2660855; *(Fax)* 2665485;(R)2551400

Ref. No.: SSSC/6471/IQAC/2021 Date: Nov. 22nd, 2021

Declaration

The information, reports, true copies of the supporting documents, numerical data, etc. furnished in this file is verified by IQAC and found correct.

Hence this certificate.

H. S. Lunge
IQAC Coordinator
Shri Shivaji Science College
Amravati

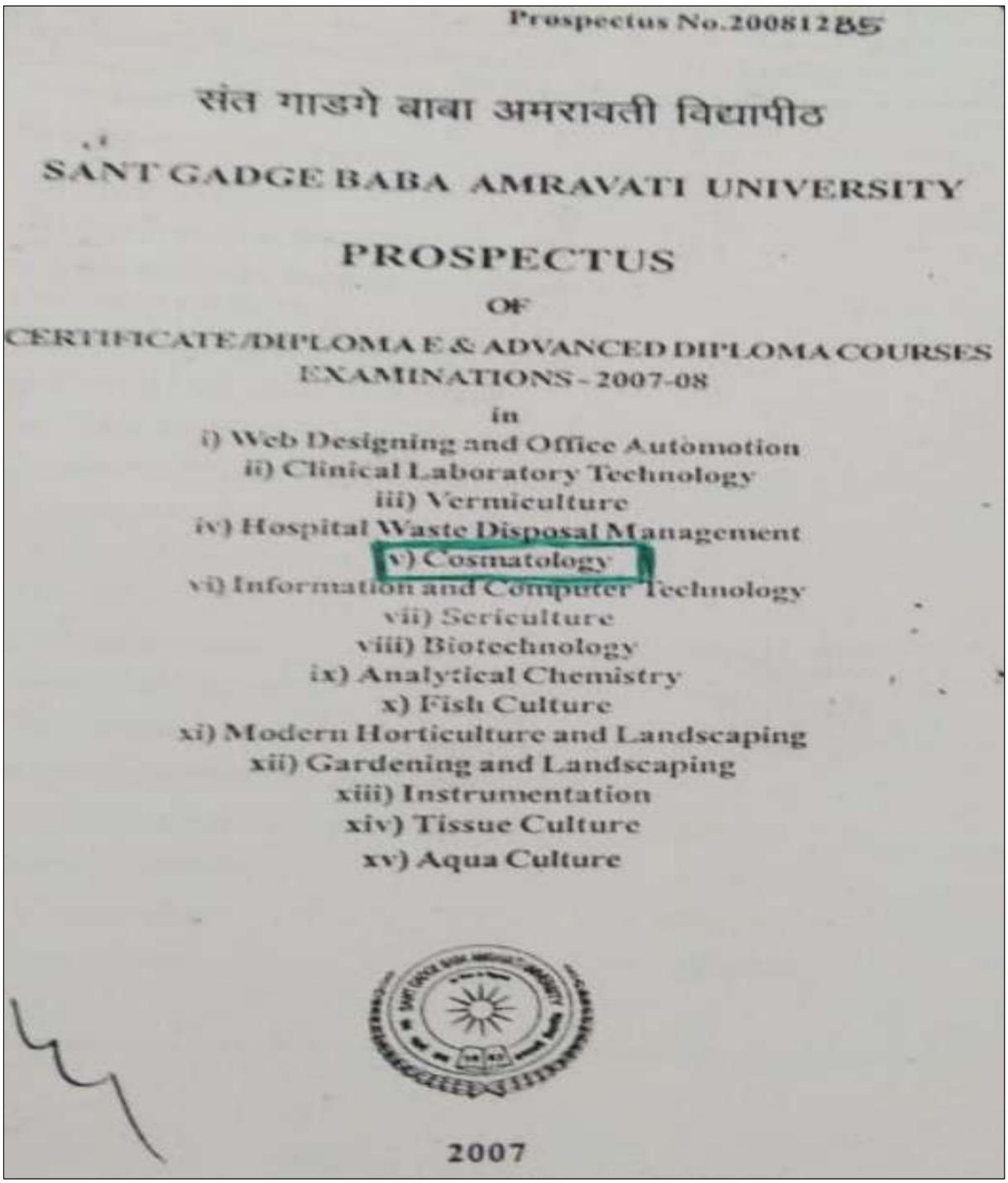
G. V. Korpe
Chairman IQAC and Principal
Shri Shivaji Science College,
Amravati

Year 2016-2017



Dept. of Chemistry (COC-Cosmetology/ Certificate)

Name and Duration of the Program



Prospectus No.20081285

संत गाडगे बाबा अमरावती विद्यापीठ

SANT GADGE BABA AMRAVATI UNIVERSITY

PROSPECTUS

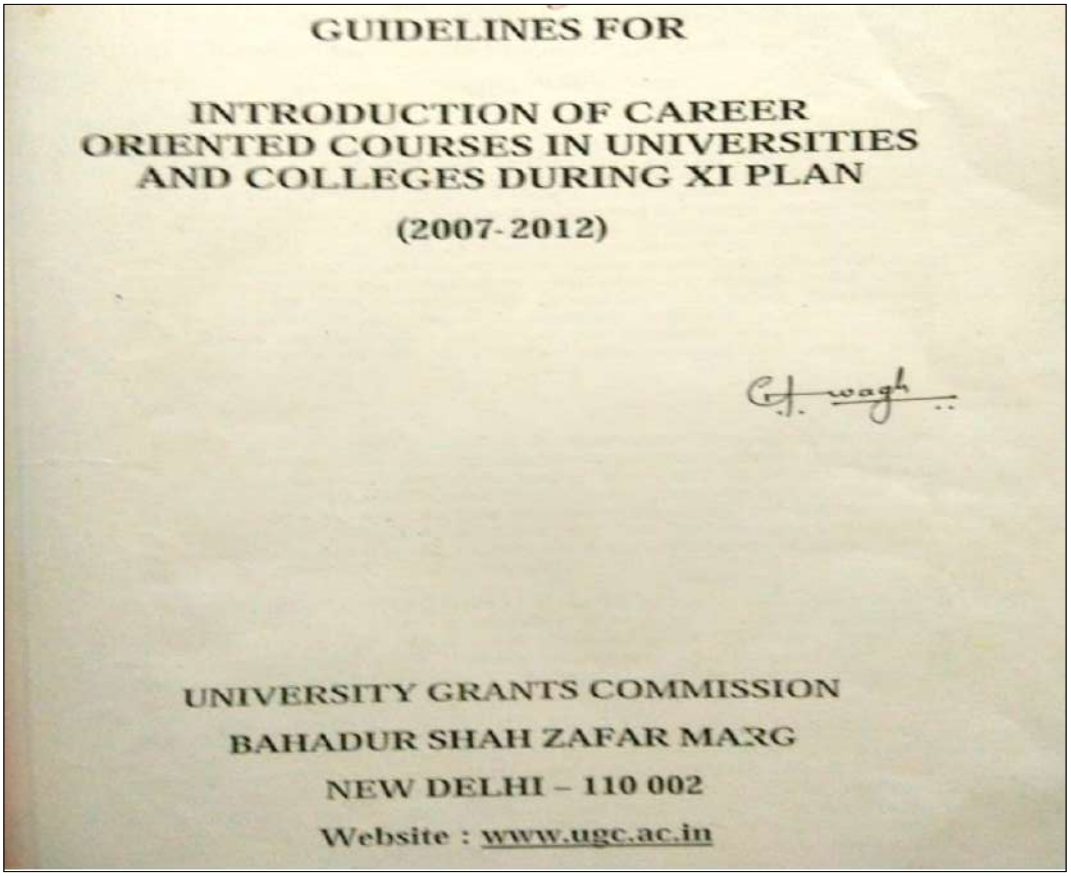
OF

CERTIFICATE/DIPLOMA E & ADVANCED DIPLOMA COURSES
EXAMINATIONS - 2007-08

in

i) Web Designing and Office Automotion
ii) Clinical Laboratory Technology
iii) Vermiculture
iv) Hospital Waste Disposal Management
v) Cosmatology
vi) Information and Computer Technology
vii) Sericulture
viii) Biotechnology
ix) Analytical Chemistry
x) Fish Culture
xi) Modern Horticulture and Landscaping
xii) Gardening and Landscaping
xiii) Instrumentation
xiv) Tissue Culture
xv) Aqua Culture

2007



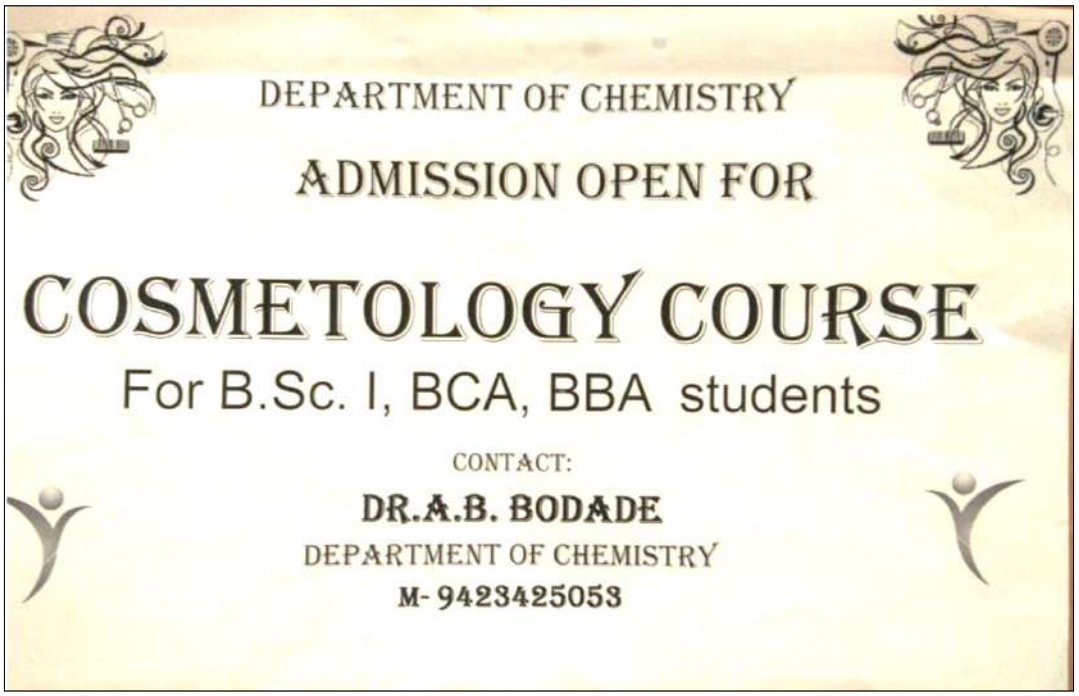
GUIDELINES FOR

INTRODUCTION OF CAREER ORIENTED COURSES IN UNIVERSITIES AND COLLEGES DURING XI PLAN

(2007-2012)

P.J. wagh

UNIVERSITY GRANTS COMMISSION
BAHADUR SHAH ZAFAR MARG
NEW DELHI – 110 002
Website : www.ugc.ac.in



DEPARTMENT OF CHEMISTRY

ADMISSION OPEN FOR

COSMETOLOGY COURSE

For B.Sc. I, BCA, BBA students

CONTACT:

DR.A.B. BODADE

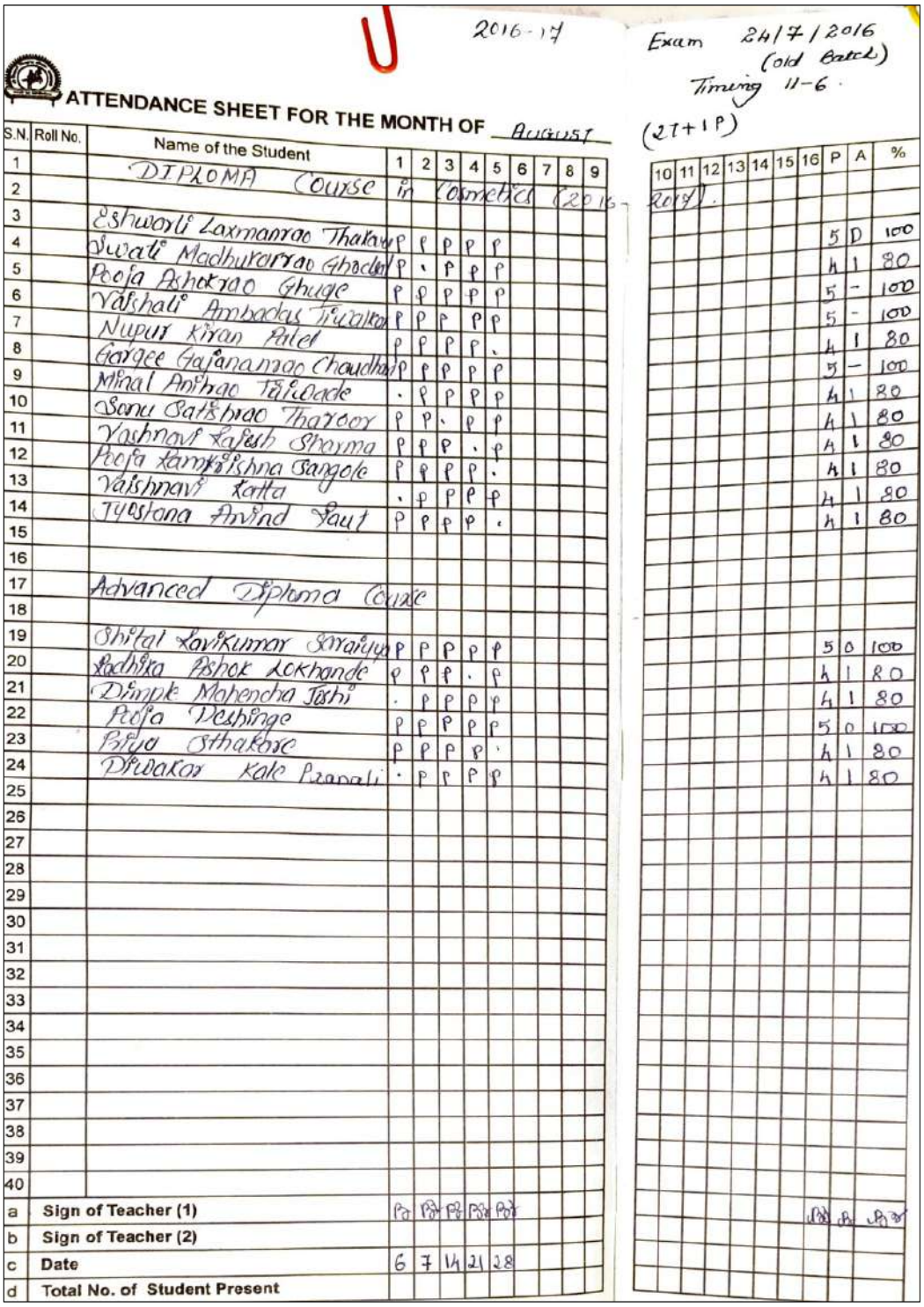
DEPARTMENT OF CHEMISTRY

M- 9423425053

List and Attendance of the Enrolled Students

Sr.No.	Name of the students
1	SonalSachchidanandAnchariya
2	SnehalBalkrushnaDande
3	Priya Vilas Adole
4	JanhviBhauraoMalode
5	Ruchika Sharad Khannade
6	Aishwarya Ganesh Futane
7	Kalyani Anil Holey
8	AnkitaDigambarBijwe
9	VishnaviNandkishorTidke
10	Sayali Rajesh Atkare
11	TejomayeeJitendraRotwal
12	AnkitaPurushottamDahapute
13	AishwaryaRamdasPusam
14	Vaishnavi Sunil Kuralkar
15	ShivaniMaheshraoPunse
16	SaleenahFaizal Ansari
17	KalyaniPadmakarBandare
18	PrajaktaSatishraoDeshmukh
19	AshwaniDhanrajChaturbhuj
20	PrajaktaGajananBadarkhe
21	Amruta Ganesh Chafale
22	Tejaswi Sanjay Tatte
23	Dipali Rajesh Moraskar
24	BhavanaBalkrushnaChechare
25	Shraddha Deepak Pawar
26	Shweta Mahesh Sahu
27	KalyaniRajendraLawange
28	Ashvini Hanuman Shelke
29	Surbi Sunil Langare
30	Radhika SukhdeoJakhotiya
31	AnkitaBhaskar Ade
32	Shivani Suresh Parlikar
33	PragatiYashwantIngole
34	VaishnaviSubhashDhamane
35	MinalJaywantThakare
36	VaishnaviAndrashekhar Thakur
37	UtkarshaRajendraNimbalkar
38	Rutuja Hemant Giri
39	Rashmi AngadraoThakare
40	HimaniGovindraoNikam
41	DhanashriDlipraoGhongade
42	DiptiDilipraoGaurkhede
43	ShrutiMeghrajShete
44	PratikshaDamodarPachrne
45	Vaishnavi Anil Adsad

46	Dhanashree Yogesh Waghmare
47	Anushree Sanjay Mairal
48	RenukaSubashYende
49	KalyaniBansiBhatkar
50	DevikaKishorraoThakare
51	Unnati Suresh Rai
52	Samruddhi Sanjay Tayde
53	VaishnaviLaxmanraoTakey
54	Manisha KeshavGohad
55	YashwiniPrakashraoKadu
56	Mrunali Nitin Deshmukh
57	TejashriRajendra Aware
58	Rutuja Anil Karpe
59	Trupti Pankaj Thadkar
60	Shamali Vijay Mahalle
61	Anjali Vijay Mahalle
62	Nisha BhagwantraoKothalkar
63	PriyaSharadrao Kale
64	DurgeshwariVinayakraoNimkar
65	Shraddha Rajkumar Pant Sawarkar
66	Swati Arvind Khadse
67	MamataSudhkarraoMendhe
68	VaishaliDaulatraoChavan
69	NauseenQadeer Khan
70	Vaishnavii Vijay Sarraiya
71	SadhanaRavindraGarad
72	Priyanka R Dixit



2016-17

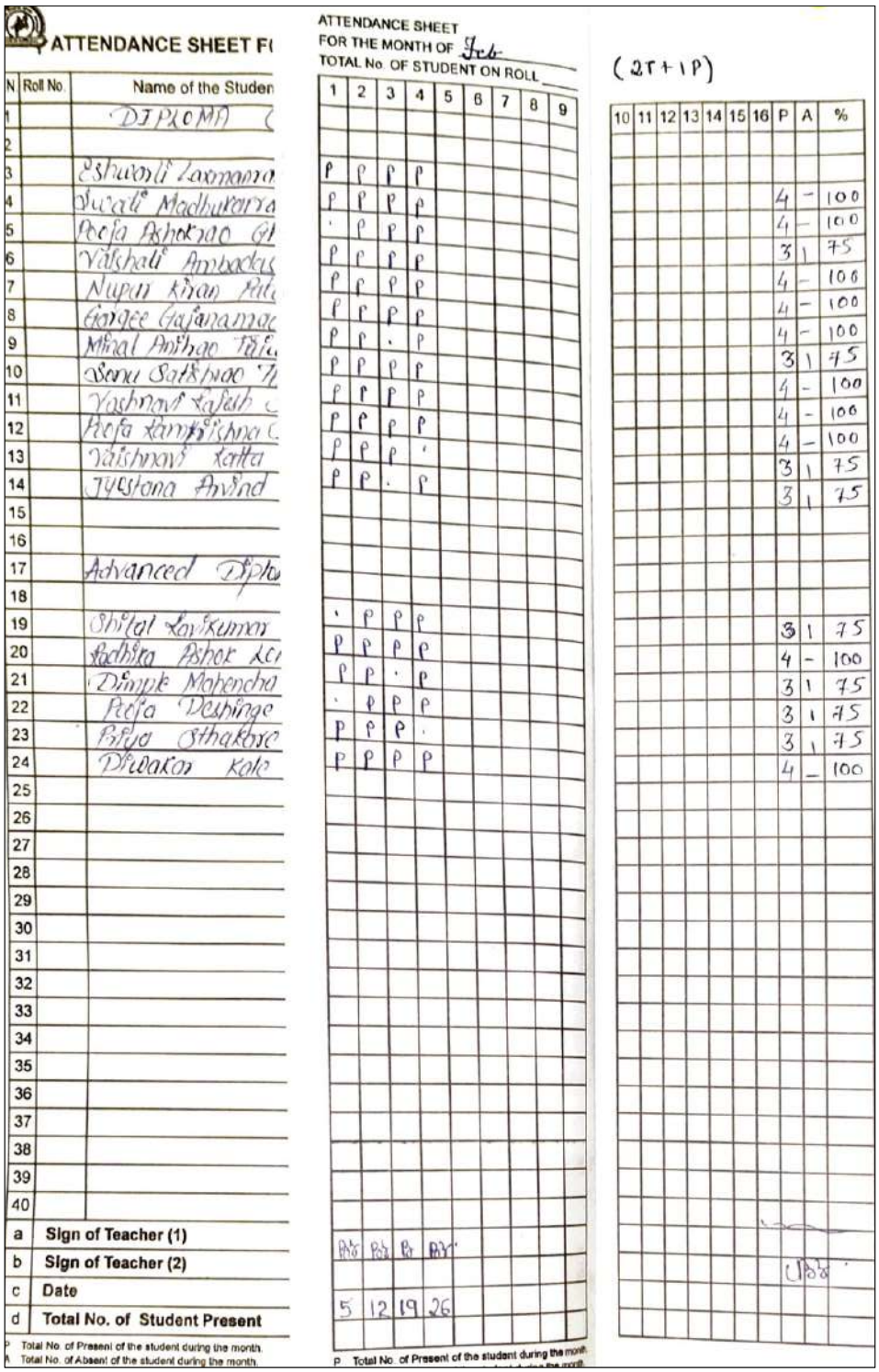
Exam 24/7/2016 (old Batch)

Timing 11-6.

(27+1P)

ATTENDANCE SHEET FOR THE MONTH OF August

S.N.	Roll No.	Name of the Student	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	P	A	%
1		DIPLOMA Course in Cosmetics (2016-2018)																			
2																					
3		Eshwarli Laxmanrao Thakare	P	P	P	P	P												5	D	100
4		Swati Madhukarrao Ghodam	P	.	P	P	P												A	1	80
5		Pooja Ashokrao Ghuge	P	P	P	P	P												5	-	100
6		Vaishali Ambadas Tiwalkar	P	P	P	P	P												5	-	100
7		Nupur Kiran Patel	P	P	P	P	.												A	1	80
8		Gargee Gajananrao Chaudhari	P	P	P	P	P												5	-	100
9		Minal Anthao Tayade	.	P	P	P	P												A	1	80
10		Sonu Satishrao Thakur	P	P	.	P	P												A	1	80
11		Vashnavi Rajesh Sharma	P	P	P	.	P												A	1	80
12		Pooja Ramkrishna Sangole	P	P	P	P	.												A	1	80
13		Vaishnavi Katta	.	P	P	P	P												A	1	80
14		Jyotsna Arvind Raut	P	P	P	P	.												A	1	80
15																					
16																					
17		Advanced Diploma Course																			
18																					
19		Shital Ravikumar Sarayya	P	P	P	P	P												5	0	100
20		Radhika Ashok Lokhande	P	P	P	.	P												A	1	80
21		Dimple Mahendra Joshi	.	P	P	P	P												A	1	80
22		Pooja Deshinge	P	P	P	P	P												5	0	100
23		Priya Thakare	P	P	P	P	.												A	1	80
24		Diwakar Kale Pranali	.	P	P	P	P												A	1	80
25																					
26																					
27																					
28																					
29																					
30																					
31																					
32																					
33																					
34																					
35																					
36																					
37																					
38																					
39																					
40																					
a		Sign of Teacher (1)	Pa	Pa	Pa	Pa	Pa												Pa	Pa	Pa
b		Sign of Teacher (2)																			
c		Date	6	7	14	21	28														
d		Total No. of Student Present																			



ATTENDANCE SHEET FI

N	Roll No.	Name of the Studen
1		DIPLOMA
2		
3		Ishwari Laxmana
4		Sucati Madhukarra
5		Pooja Ashokrao G
6		Vaishali Ambadas
7		Nupur Khan Pat
8		Gargee Gajanana
9		Minal Anilrao Tal
10		Sonu Satishrao T
11		Yashnavi Rajesh
12		Pooja Ramkrishna
13		Vaishnavi Katta
14		Jyestona Arvind
15		
16		
17		Advanced Dipl
18		
19		Shital Lavkumar
20		Radhika Ashok L
21		Dimple Mahendra
22		Pooja Deshinge
23		Priya Thakare
24		Dhanashri Kale
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
40		
a		Sign of Teacher (1)
b		Sign of Teacher (2)
c		Date
d		Total No. of Student Present

P Total No. of Present of the student during the month.
A Total No. of Absent of the student during the month.

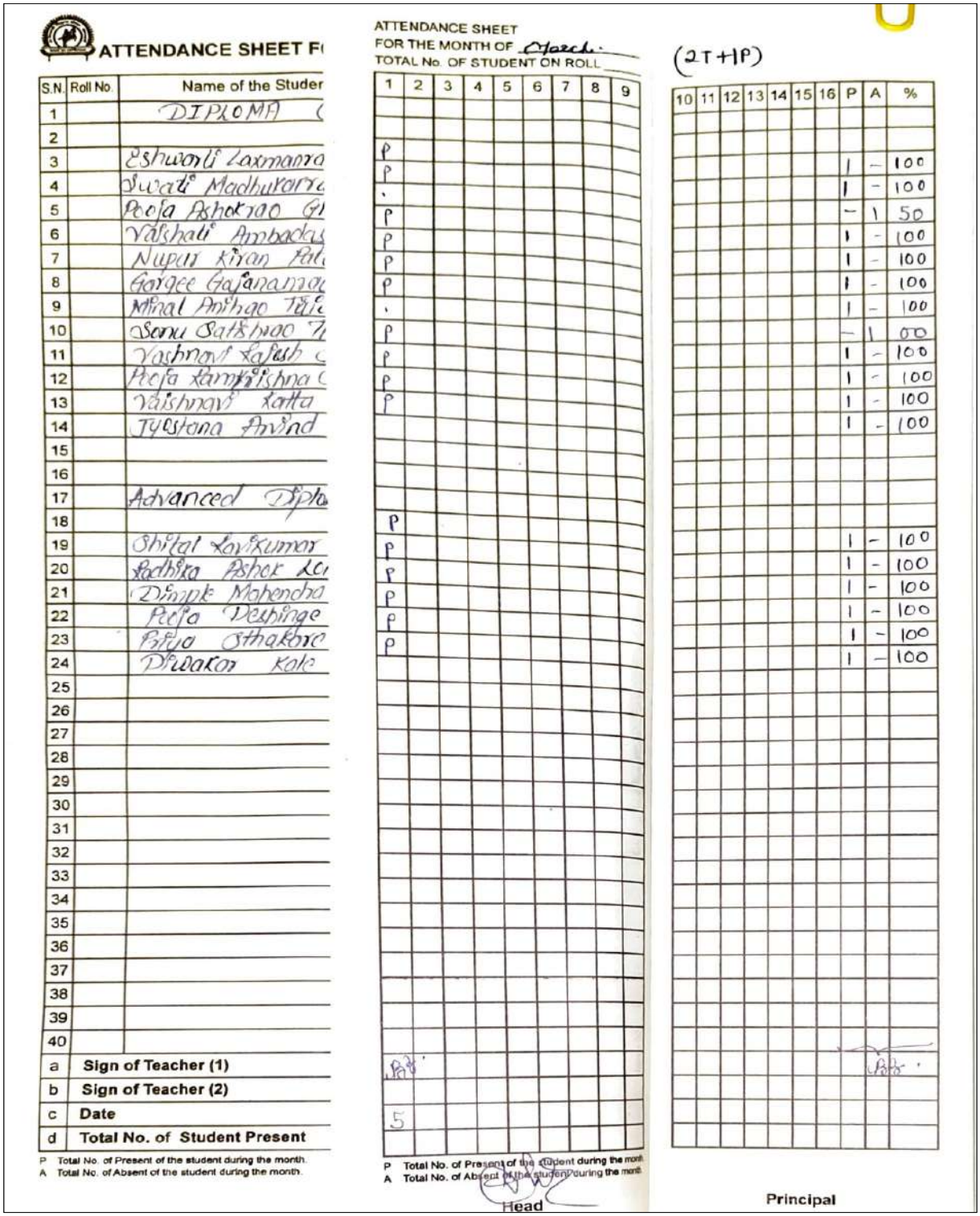
ATTENDANCE SHEET
FOR THE MONTH OF Feb
TOTAL No. OF STUDENT ON ROLL

1	2	3	4	5	6	7	8	9
P	P	P	P					
P	P	P	P					
.	P	P	P					
P	P	P	P					
P	P	P	P					
P	P	P	P					
P	P	.	P					
P	P	P	P					
P	P	P	P					
P	P	P	P					
P	P	P	.					
P	P	.	P					
.	P	P	P					
P	P	P	P					
P	P	P	.					
P	P	P	P					
5	12	19	26					

P Total No. of Present of the student during the month

(2T+1P)

10	11	12	13	14	15	16	P	A	%
							4	-	100
							4	-	100
							3	1	75
							4	-	100
							4	-	100
							4	-	100
							3	1	75
							4	-	100
							4	-	100
							4	-	100
							3	1	75
							3	1	75
							3	1	75
							4	-	100
							3	1	75
							3	1	75
							3	1	75
							4	-	100



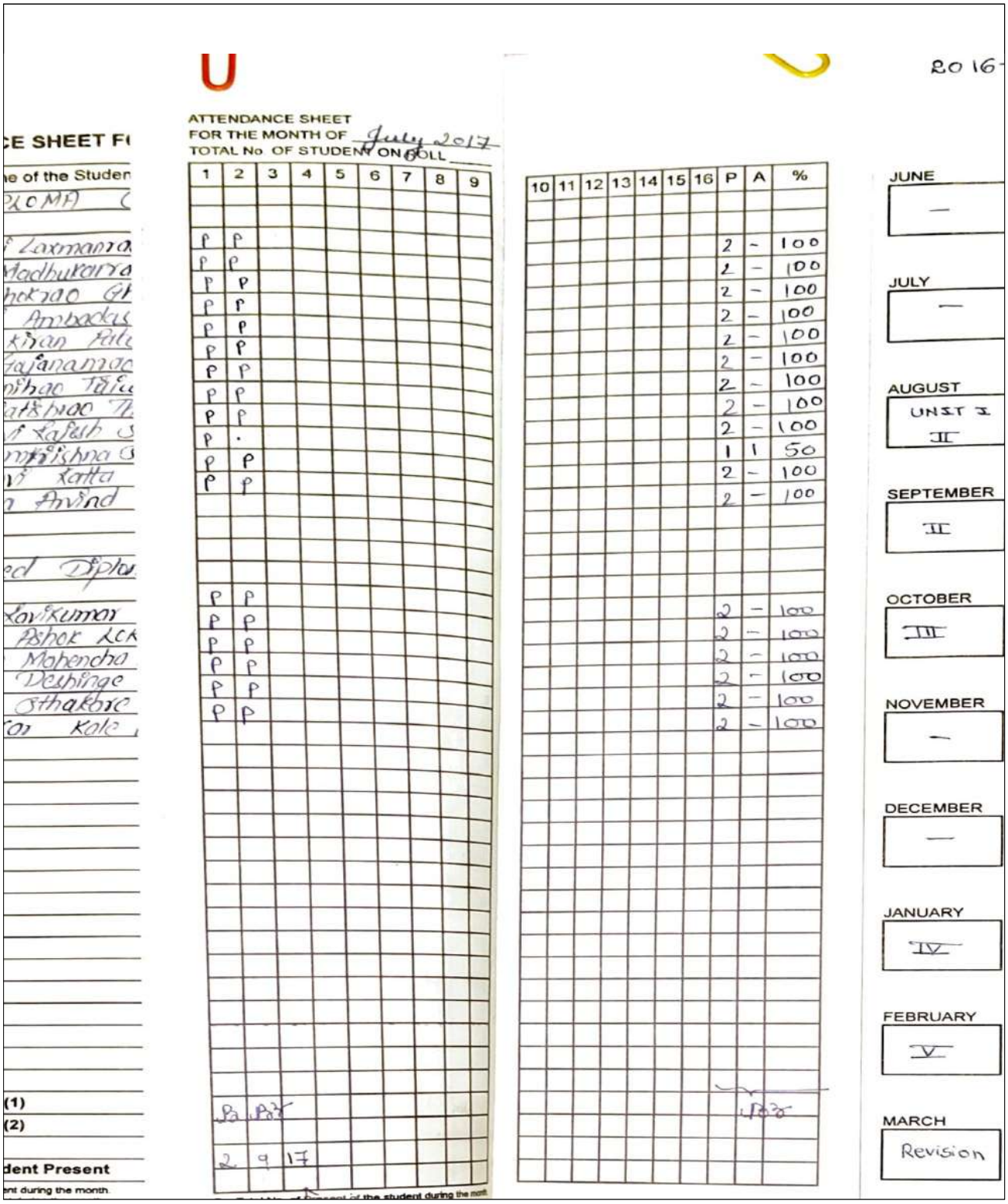
ATTENDANCE SHEET F

S.N.	Roll No.	Name of the Studer
1		DIPLOMA (
2		
3		Eshwarli Laxmanra
4		Swati Madhukarra
5		Pooja Ashokrao G
6		Vaishali Ambadas
7		Nupur Kiran Pa
8		Gargee Gajananra
9		Minal Anthao Tek
10		Saru Satishrao T
11		Yashnavi Kailash
12		Pooja Ramkrishna
13		Vaishnavi Katta
14		Jyotsna Arvind
15		
16		
17		Advanced Dipl
18		
19		Shital Lavkumar
20		Radhika Ashok La
21		Dimple Mahendra
22		Pooja Deshinge
23		Priya Sthakare
24		Dhanashri Kale
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
40		
a	Sign of Teacher (1)	
b	Sign of Teacher (2)	
c	Date	
d	Total No. of Student Present	

P Total No. of Present of the student during the month.
A Total No. of Absent of the student during the month.

ATTENDANCE SHEET
FOR THE MONTH OF March.
TOTAL No. OF STUDENT ON ROLL

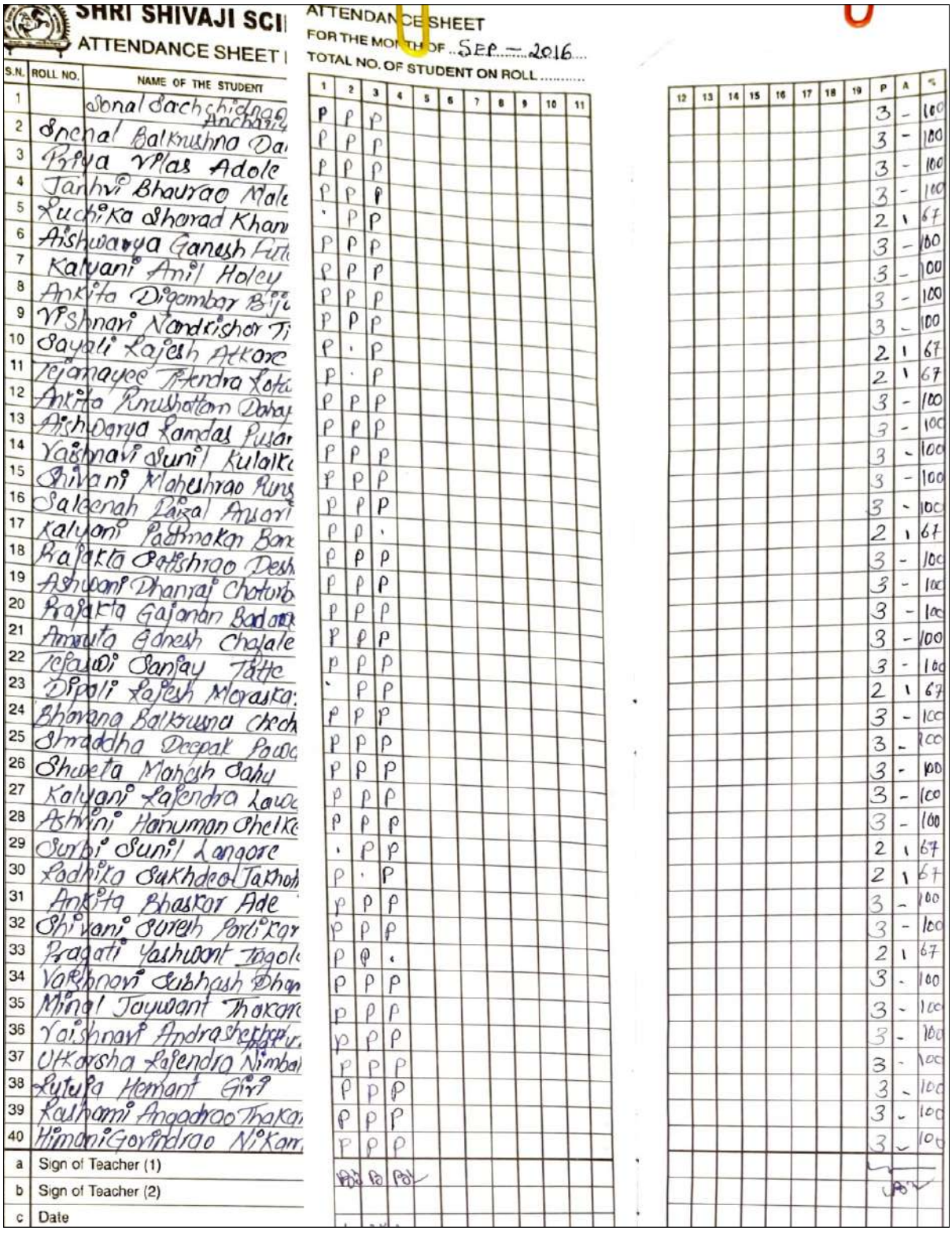
1	2	3	4	5	6	7	8	9
P								
P								
.								
P								
P								
P								
P								
.								
P								
P								
P								
P								
P								
P								
P								
P								
P								
P								



ATTENDANCE SHEET
FOR THE MONTH OF July 2017
TOTAL No OF STUDENT ON ROLL

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	P	A	%
P	P															2	-	100
P	P															2	-	100
P	P															2	-	100
P	P															2	-	100
P	P															2	-	100
P	P															2	-	100
P	P															2	-	100
P	P															2	-	100
P	P															2	-	100
P	.															1	1	50
P	P															2	-	100
P	P															2	-	100
P	P															2	-	100
P	P															2	-	100
P	P															2	-	100
P	P															2	-	100
P	P															2	-	100
P	P															2	-	100
P	P															2	-	100
P	P															2	-	100
2	9	17																

JUNE —
JULY —
AUGUST UNIT I II
SEPTEMBER II
OCTOBER III
NOVEMBER —
DECEMBER —
JANUARY IV
FEBRUARY V
MARCH Revision



SHRI SHIVAJI SCI

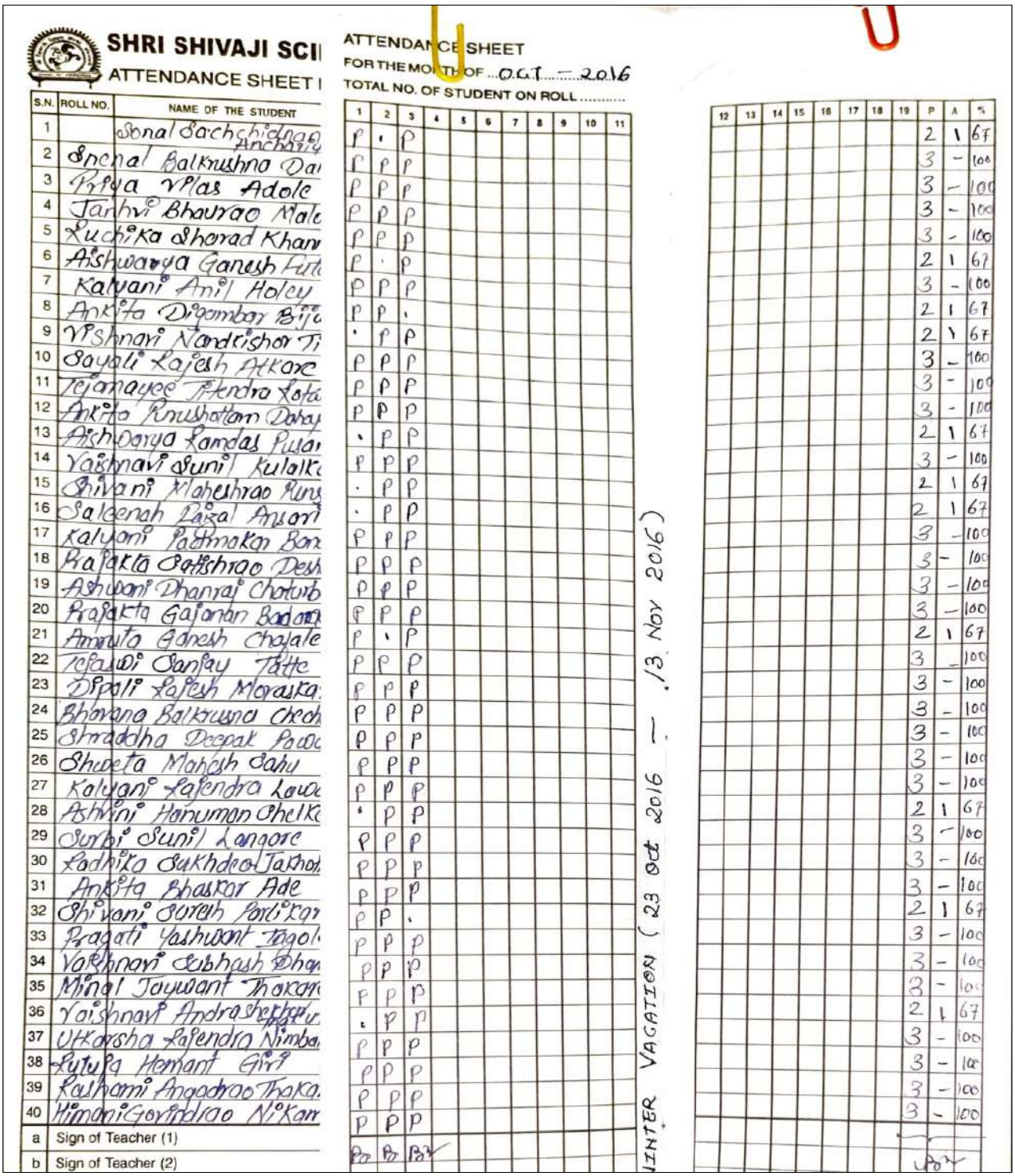
ATTENDANCE SHEET

ATTENDANCE SHEET

FOR THE MONTH OF Sep – 2016

TOTAL NO. OF STUDENT ON ROLL .....

S.N.	ROLL NO.	NAME OF THE STUDENT
1		Sonal Sachchidnand Ancharya
2		Snehal Balkrushna Da
3		Priya Vilas Adole
4		Jahnvi Bhaurao Mal
5		Ruchika Sharad Khan
6		Aishwarya Ganesh Fir
7		Kalyani Anil Holey
8		Ankita Digambar Bij
9		Vaishnavi Nandkishor Ti
10		Sayali Rajesh Atkare
11		Jeyanayee Jitendra Kot
12		Ankita Krushnaji Dahat
13		Aishwarya Kandas Pusa
14		Yashnavi Sunil Kulalk
15		Shivani Maheshrao Rung
16		Saleenah Faizal Ansari
17		Kalyani Padmakar Bar
18		Prajakta Satishrao Desh
19		Ashwani Dhanraj Chatur
20		Prajakta Gajanan Bada
21		Amruta Ganesh Chajale
22		Tejaswi Sanjay Tatte
23		Dipali Rajesh Morask
24		Bhavana Balkrushna Chich
25		Shraddha Deepak Pawa
26		Shweta Mahesh Sahu
27		Kalyani Rajendra Lawa
28		Ashwini Hanuman Shelk
29		Surbi Sunil Langore
30		Radhika Sukhdeo Tarhe
31		Ankita Bhaskar Ade
32		Shivani Suresh Porikar
33		Pragati Yashwant Jagol
34		Vaishnavi Subhash Bha
35		Minal Jaywant Thakar
36		Vaishnavi Andrashekhar
37		Utkarsha Rajendra Nimba
38		Rutuja Hemant Giri
39		Rashmi Angadrao Thaka
40		Himani Govindrao Nikam
a	Sign of Teacher (1)	
b	Sign of Teacher (2)	
c	Date	



SHRI SHIVAJI SCI

ATTENDANCE SHEET

ATTENDANCE SHEET

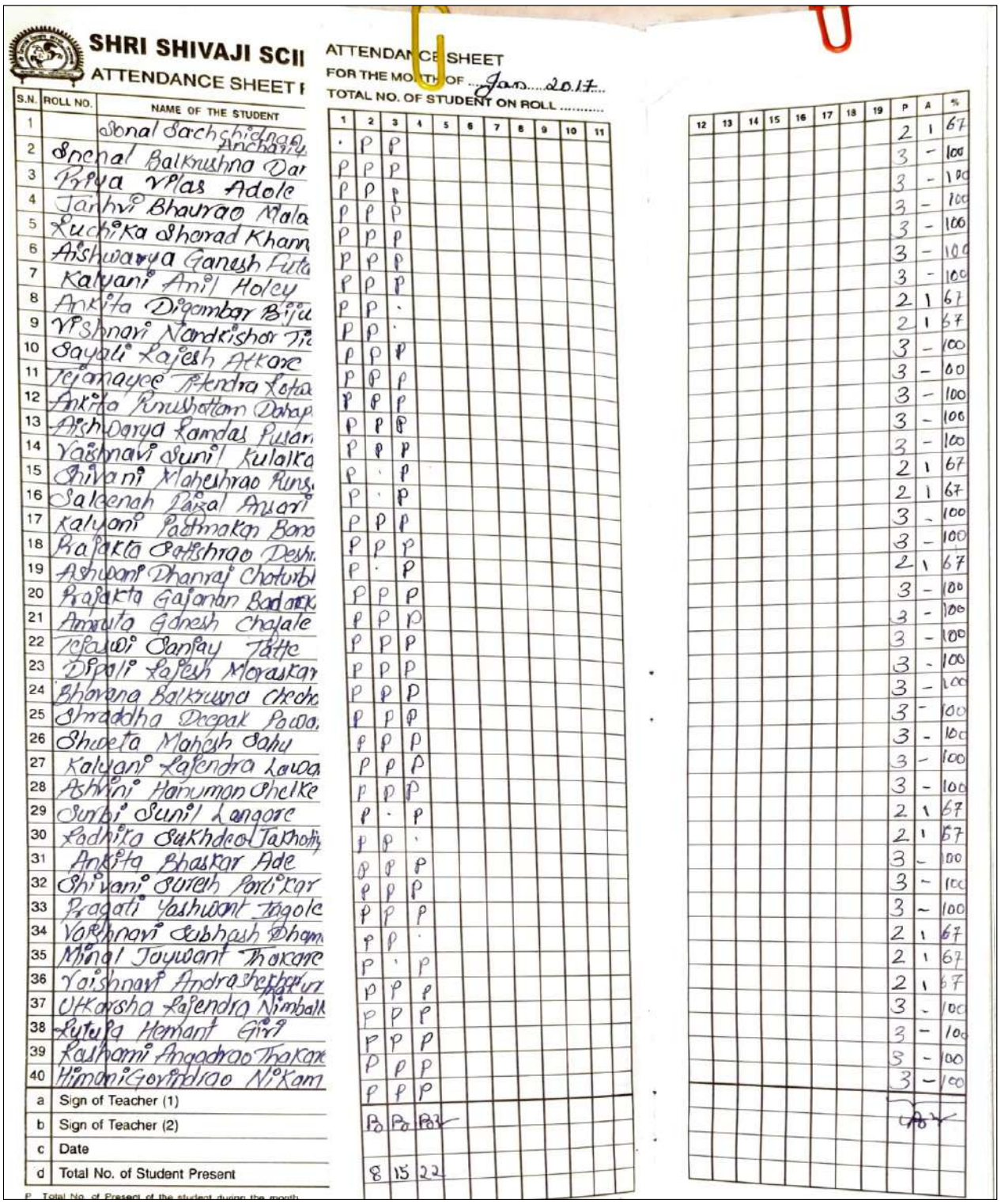
FOR THE MONTH OF ...Oct – 2016

TOTAL NO. OF STUDENT ON ROLL .....

S.N.	ROLL NO.	NAME OF THE STUDENT
1		Sonal Sachchidnand Anchalia
2		Snehal Balkrushna Da
3		Priya Vilas Adole
4		Janhvi Bhaurao Male
5		Ruchika Sharad Khan
6		Aishwarya Ganesh Furt
7		Kalyani Anil Holey
8		Ankita Digambar Bija
9		Vishnavi Nandkishor Ti
10		Sayali Rajesh Akkare
11		Tejamayee Jitendra Kota
12		Ankita Krushnaram Dahay
13		Aishwarya Kandas Pusa
14		Vaishnavi Sunil Kulalk
15		Shivani Maheshrao Rung
16		Saleenah Faizal Ansari
17		Kalyani Padmakar Bar
18		Prafakta Sattishrao Desh
19		Ashwini Dhanraj Chatur
20		Prafakta Gajanan Badan
21		Amruta Ganesh Chajale
22		Tejaswi Sanjay Tatte
23		Dipali Rajesh Morasker
24		Bhavana Balkrushna Chech
25		Shraddha Deepak Pawa
26		Shweta Mahesh Sahu
27		Kalyani Rajendra Lava
28		Ashwini Hanuman Shelk
29		Surbi Sunil Langore
30		Radhika Sukhdeo Jakho
31		Ankita Bhaskar Ade
32		Shivani Suresh Pardikar
33		Pragati Yashwant Jagol
34		Vaishnavi Subhash Bhar
35		Minal Jaywant Thakar
36		Vaishnavi Andrashekhar
37		Utkarsha Rajendra Nimba
38		Rutuja Hemant Giri
39		Rashmi Angadrao Thaka
40		Himani Govindrao Nikam
a		Sign of Teacher (1)
b		Sign of Teacher (2)

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	P	A	%
P	.	P																	2	1	67
P	P	P																	3	–	100
P	P	P																	3	–	100
P	P	P																	3	–	100
P	P	P																	3	–	100
P	.	P																	2	1	67
P	P	P																	3	–	100
P	P	.																	2	1	67
.	P	P																	2	1	67
P	P	P																	3	–	100
P	P	P																	3	–	100
P	P	P																	3	–	100
.	P	P																	2	1	67
P	P	P																	3	–	100
.	P	P																	2	1	67
.	P	P																	2	1	67
P	P	P																	3	–	100
P	P	P																	3	–	100
P	P	P																	3	–	100
P	P	P																	3	–	100
P	.	P																	2	1	67
P	P	P																	3	–	100
P	P	P																	3	–	100
P	P	P																	3	–	100
P	P	P																	3	–	100
P	P	P																	3	–	100
P	P	P																	3	–	100
P	P	P																	2	1	67
P	P	P																	3	–	100
P	P	P																	3	–	100
P	P	P																	3	–	100
P	P	P																	3	–	100
P	P	P																	2	1	67
P	P	.																	3	–	100
P	P	P																	3	–	100
P	P	P																	3	–	100
P	P	P																	2	1	67
.	P	P																	3	–	100
P	P	P																	3	–	100
P	P	P																	3	–	100
P	P	P																	3	–	100
Po	Po	Po																			

INTER VAGATION (23 Oct 2016 – 13 Nov 2016)



SHRI SHIVAJI SCII

ATTENDANCE SHEET F

ATTENDANCE SHEET

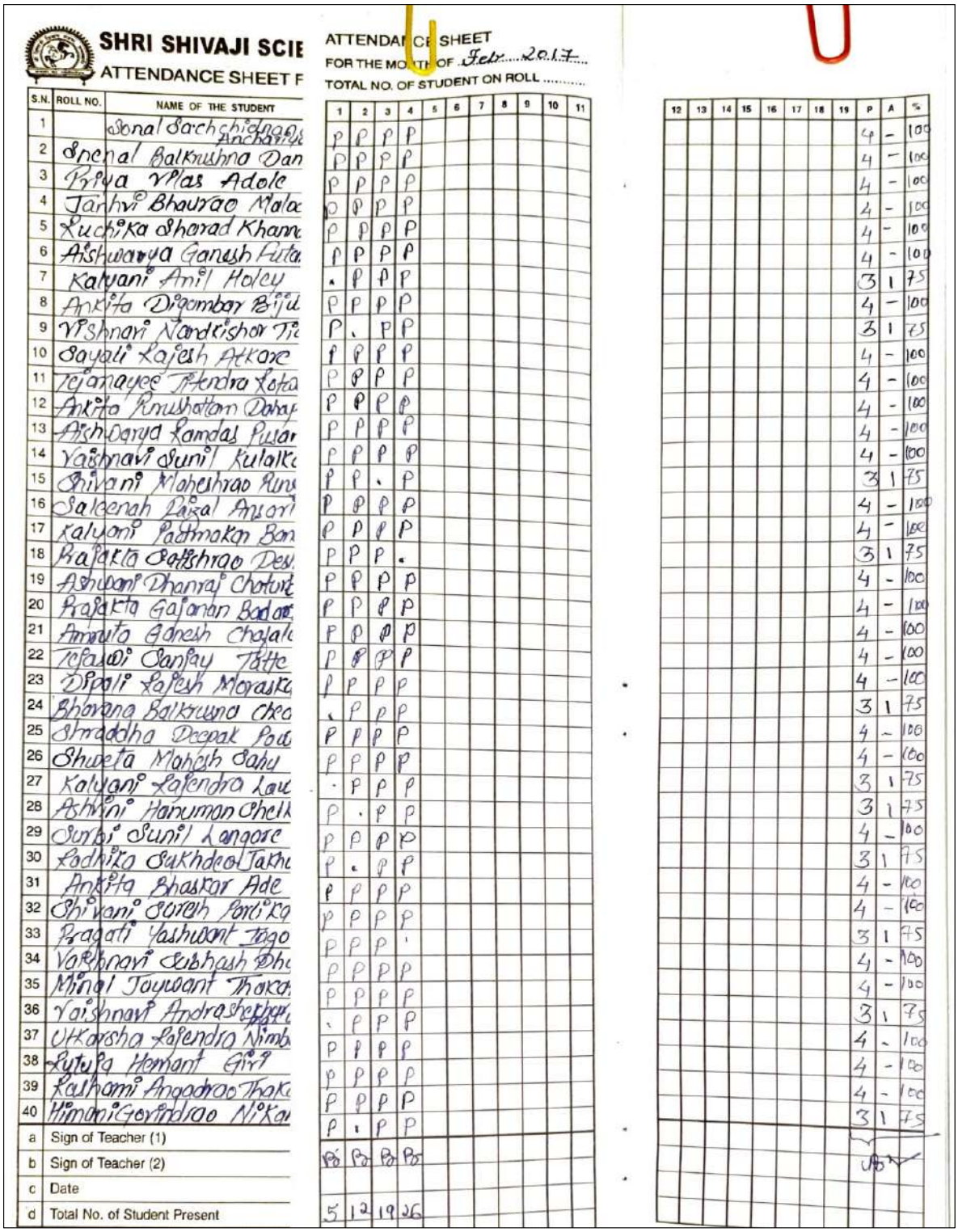
FOR THE MONTH OF ...Jan....2017...

TOTAL NO. OF STUDENT ON ROLL .....

S.N.	ROLL NO.	NAME OF THE STUDENT
1		Sonal Sachchidnan Acharya
2		Snehal Balkrushna Dar
3		Priya Vilas Adole
4		Jahnvi Bhaurao Mala
5		Ruchika Sharad Kham
6		Aishwarya Ganesh Futa
7		Kalyani Anil Holey
8		Ankita Digambar Biju
9		Vaishnavi Nandkishor Ji
10		Sayali Rajesh Atkare
11		Tejamayee Jitendra Kota
12		Ankita Purushottam Dakap
13		Aishwarya Ramdas Pusar
14		Vaishnavi Sunil Kulalka
15		Shivani Maheshrao Rins
16		Salseenah Faizal Ansari
17		Kalyani Padmakar Bano
18		Prajakta Sadashrao Deshi
19		Ashwani Dhanraj Chaturbl
20		Prajakta Gajanan Badank
21		Amruta Ganesh Chalale
22		Tejaswi Sanjay Jatte
23		Dipali Rajesh Morakar
24		Bhavana Balkrushna Chedk
25		Shraddha Deepak Pawa
26		Shweta Mahesh Sahu
27		Kalyani Rajendra Lawa
28		Ashwini Hanuman Shelke
29		Sunbi Sunil Langore
30		Radhika Sukhdeol Jathoti
31		Ankita Bhaskar Ade
32		Shivani Suresh Parlikar
33		Pragati Yashwant Jogole
34		Vaishnavi Subhash Dham
35		Minal Jaywant Thakare
36		Vaishnavi Andrashekhar
37		Utkarsha Rajendra Nimbalk
38		Rutuja Hemant Giri
39		Kashmi Angadrao Thakar
40		Himani Govindrao Nikam
a	Sign of Teacher (1)	
b	Sign of Teacher (2)	
c	Date	
d	Total No. of Student Present	

P Total No. of Present of the student during the month

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	P	A	%
.	P	P																	2	1	67
P	P	P																	3	-	100
P	P	P																	3	-	100
P	P	P																	3	-	100
P	P	P																	3	-	100
P	P	P																	3	-	100
P	P	P																	3	-	100
P	P	.																	2	1	67
P	P	.																	2	1	67
P	P	P																	3	-	100
P	P	P																	3	-	100
P	P	P																	3	-	100
P	P	P																	3	-	100
P	P	P																	3	-	100
P	.	P																	2	1	67
P	.	P																	2	1	67
P	P	P																	3	-	100
P	P	P																	3	-	100
P	P	P																	2	1	67
P	P	P																	3	-	100



SHRI SHIVAJI SCIE

ATTENDANCE SHEET F

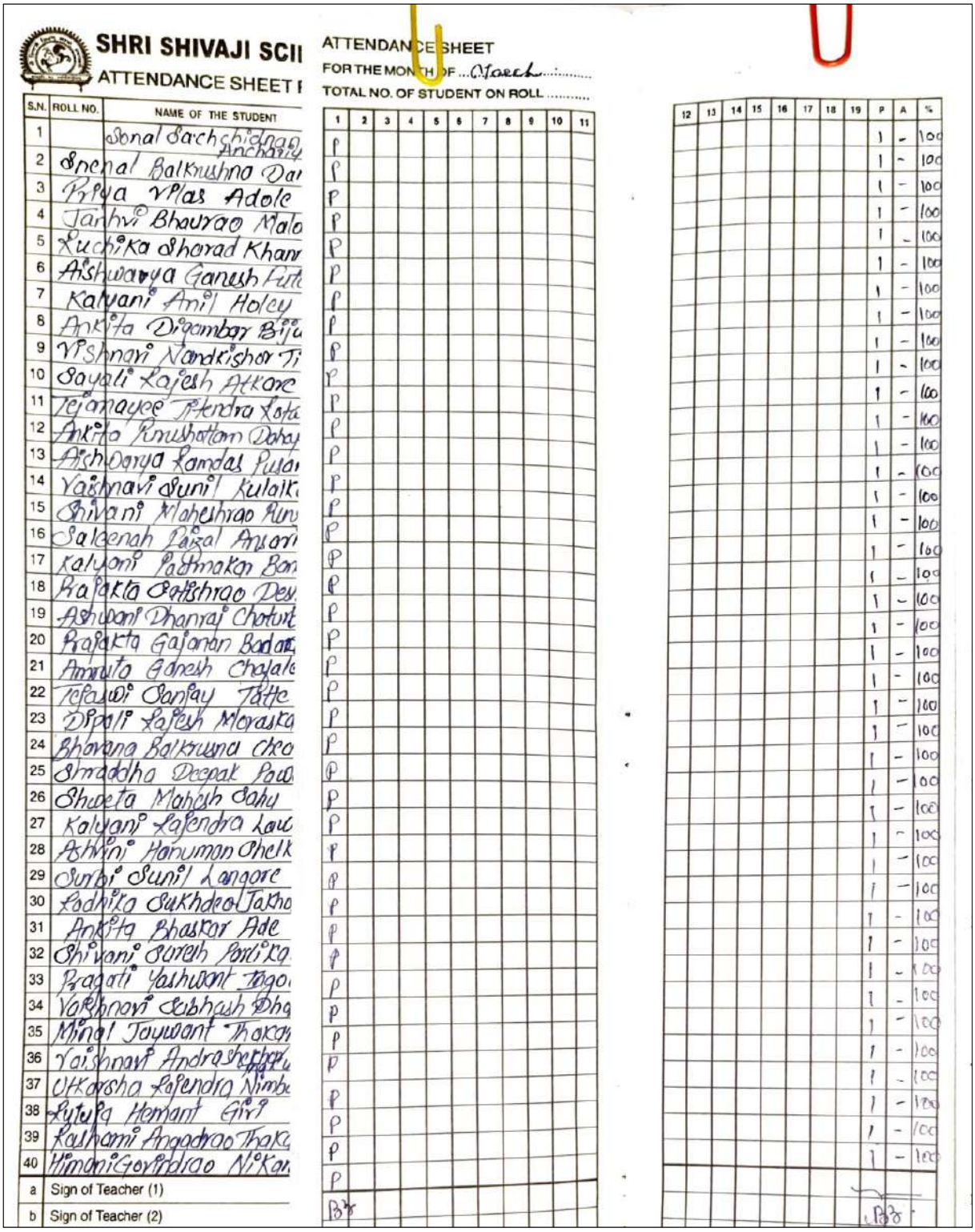
ATTENDANCE SHEET

FOR THE MONTH OF Feb. 2017

TOTAL NO. OF STUDENT ON ROLL .....

S.N.	ROLL NO.	NAME OF THE STUDENT
1		Sonal Sachchidanand Ancharya
2		Snehal Balkrushna Dan
3		Priya Vilas Adole
4		Janhvi Bhaurao Mala
5		Ruchika Sharad Khanr
6		Aishwarya Ganesh Kuta
7		Kalyani Anil Holey
8		Ankita Digambar Biju
9		Vishnavi Nandkishor Ti
10		Sayali Rajesh Atkare
11		Tejanayee Jitendra Loka
12		Ankita Krushatan Dahay
13		Aishwarya Ramdas Pusa
14		Vaishnavi Sunil Kulalk
15		Shivani Maheshrao Rin
16		Saleenah Faizal Ansari
17		Kalyani Padmakar Ban
18		Rajakta Jaishrao Des
19		Ashwani Dhanraj Chatur
20		Prajakta Gajanan Bad
21		Amruta Ganesh Chajal
22		Tejaswi Sanjay Tatte
23		Dipali Rajesh Morask
24		Bhavana Balkrushna Cho
25		Shraddha Deepak Pau
26		Shweta Mahesh Sahu
27		Kalyani Rajendra Lau
28		Ashwini Hanuman Shelk
29		Suruchi Sunil Langore
30		Radhika Sukhdeo Jakh
31		Ankita Bhaskar Ade
32		Shivani Suresh Porik
33		Pragati Yashwant Jago
34		Vaishnavi Subhash Bhu
35		Minal Jaywant Thaka
36		Vaishnavi Andrashekhar
37		Utkarsha Rajendra Nimb
38		Rutuja Hemant Giri
39		Rashmi Angadrao Thak
40		Himani Govindrao Nika
a	Sign of Teacher (1)	
b	Sign of Teacher (2)	
c	Date	
d	Total No. of Student Present	

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	P	A	%
P	P	P	P																4	-	100
P	P	P	P																4	-	100
P	P	P	P																4	-	100
P	P	P	P																4	-	100
P	P	P	P																4	-	100
P	P	P	P																4	-	100
.	P	P	P																3	1	75
P	P	P	P																4	-	100
P	.	P	P																3	1	75
P	P	P	P																4	-	100
P	P	P	P																4	-	100
P	P	P	P																4	-	100
P	P	P	P																4	-	100
P	P	P	P																4	-	100
P	P	.	P																3	1	75
P	P	P	P																4	-	100
P	P	P	P																4	-	100
P	P	P	.																3	1	75
P	P	P	P																4	-	100
P	P	P	P																4	-	100
P	P	P	P																4	-	100
P	P	P	P																4	-	100
P	P	P	P																4	-	100
P	P	P	P																3	1	75
P	P	P	P																4	-	100
P	P	P	P																4	-	100
P	P	P	P																3	1	75
P	P	P	P																4	-	100
P	P	P	P																4	-	100
P	P	P	P																4	-	100
P	P	P	P																4	-	100
P	P	P	P																4	-	100
P	P	P	P																3	1	75
P	P	P	P																4	-	100
P	P	P	P																4	-	100
P	P	P	P																3	1	75
P	P	P	P																3	1	75
P	P	P	P																4	-	100
P	P	P	P																3	1	75
P	P	P	P																4	-	100
P	P	P	P																4	-	100
P	P	P	P																3	1	75
P	P	P	P																4	-	100
P	P	P	P																4	-	100
P	P	P	P																4	-	100
P	P	P	P																3	1	75
P	P	P	P																		
P	P	P	P																		
P	P	P	P																	



SHRI SHIVAJI SCI

ATTENDANCE SHEET F

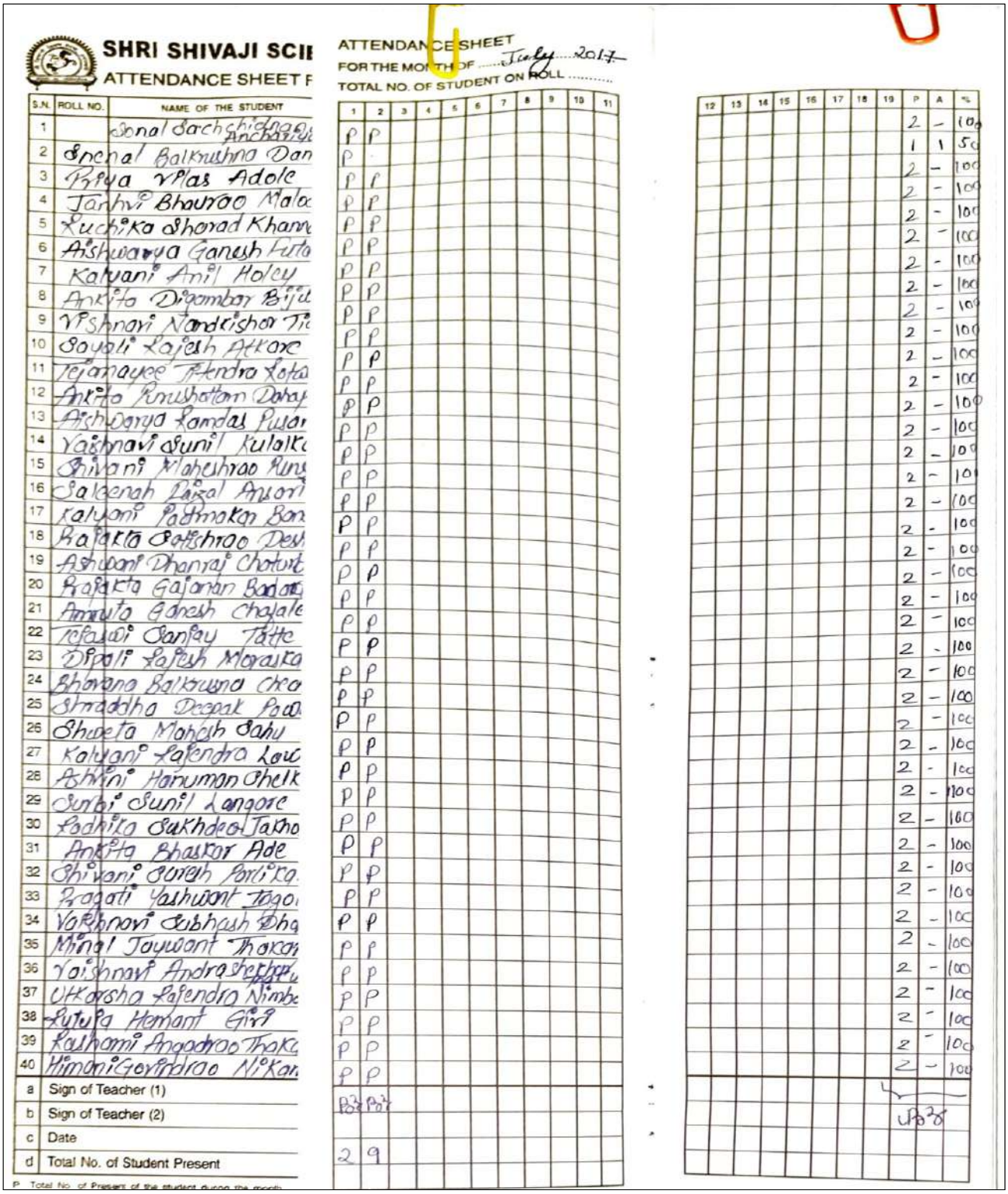
ATTENDANCE SHEET

FOR THE MONTH OF ...March.....

TOTAL NO. OF STUDENT ON ROLL .....

S.N.	ROLL NO.	NAME OF THE STUDENT
1		Sonal Sachchidnand Ancharia
2		Snehal Balkrushna Da
3		Priya Vilas Adole
4		Janhvi Bhaurao Malo
5		Ruchika Sharad Khan
6		Aishwarya Ganesh Futa
7		Kalyani Anil Holey
8		Ankita Digambar Biju
9		Vishnavi Nandkishor Ti
10		Sayali Rajesh Atkare
11		Tejamayee Jitendra Kota
12		Ankita Purushottam Dahay
13		Aishwarya Ramdas Pusa
14		Vaishnavi Sunil Kulalk
15		Shivani Maheshrao Run
16		Saleenah Faizal Ansari
17		Kalyani Padmakar Bar
18		Prajakta Sahebrao Des
19		Ashwani Dhanraj Chatur
20		Prajakta Gajanan Bada
21		Amruta Ganesh Chajal
22		Tejaswi Sanjay Tatte
23		Dipali Rajesh Morask
24		Bhavana Balkrushna Ckr
25		Shraddha Deepak Pau
26		Shweta Mahesh Sahu
27		Kalyani Rajendra Lau
28		Ashwini Hanuman Shelk
29		Sunbi Sunil Langore
30		Radhika Sukhdeo Jakh
31		Ankita Bhaskar Ade
32		Shivani Suresh Parlika
33		Pragati Yashwant Jago
34		Vaishnavi Subhash Bha
35		Minal Jaywant Thakr
36		Vaishnavi Andrashekhar
37		Utkarsha Rajendra Nimb
38		Rutuja Hemant Giri
39		Rashmi Angadrao Thak
40		Himani Govindrao Nikar
a		Sign of Teacher (1)
b		Sign of Teacher (2)

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	P	A	%
P																			1	-	100



SHRI SHIVAJI SCI

ATTENDANCE SHEET F

ATTENDANCE SHEET

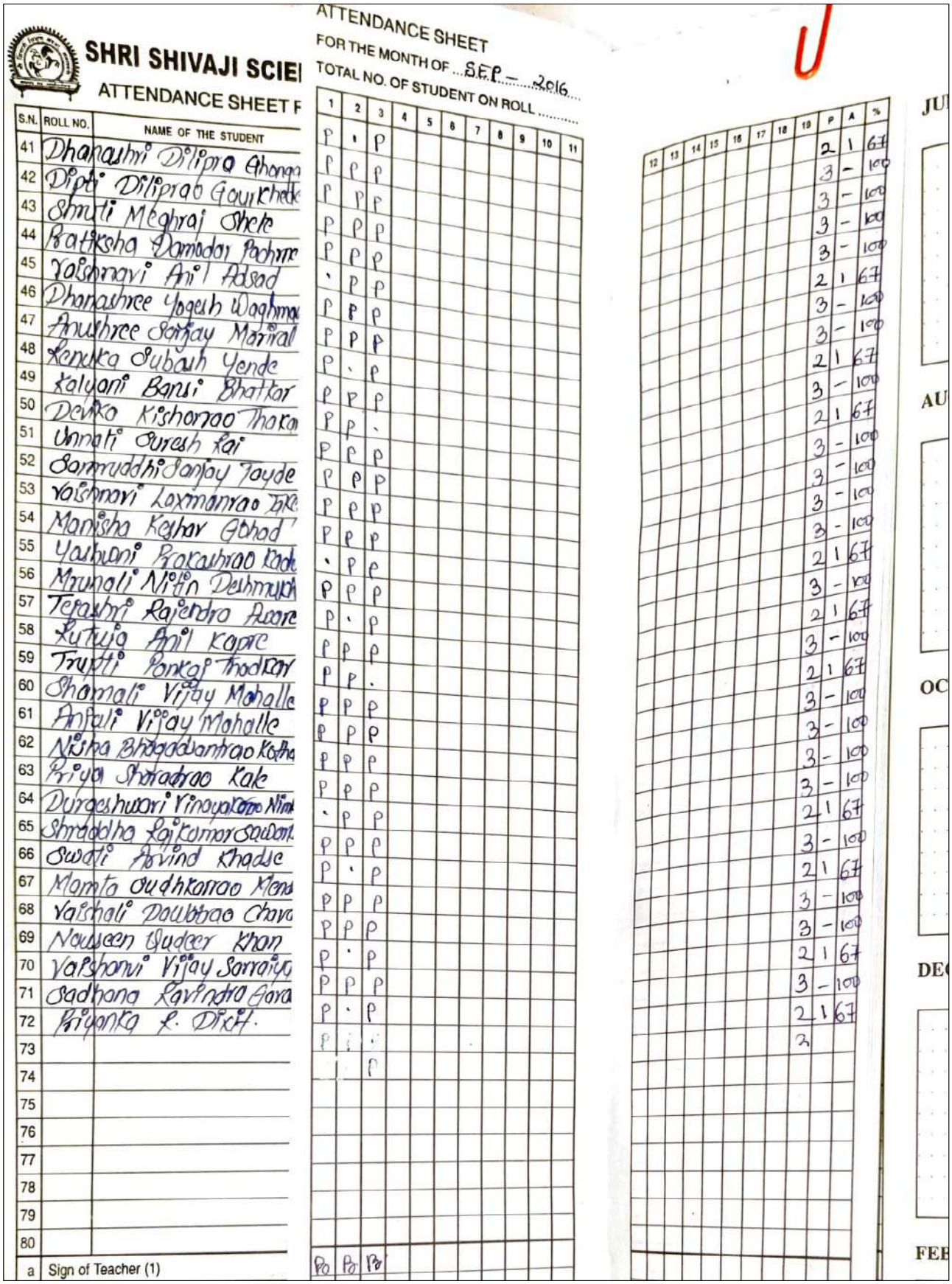
FOR THE MONTH OF ..... July 2017

TOTAL NO. OF STUDENT ON ROLL .....

S.N.	ROLL NO.	NAME OF THE STUDENT
1		Sonal Sachchidanand Anchalia
2		Snehal Balkrushna Dan
3		Priya Vilas Adole
4		Janhvi Bhaurao Mala
5		Ruchika Sharad Khann
6		Aishwarya Ganesh Futa
7		Kalyani Anil Holey
8		Ankita Digambar Biju
9		Vishnavi Nandkishor Ti
10		Sayali Rajesh Atkare
11		Tejamayee Jitendra Kota
12		Ankita Purushottam Dahay
13		Aishwarya Kamdas Pujar
14		Vaishnavi Sunil Kulalk
15		Shivani Maheshrao Rung
16		Saleenah Faizal Ansari
17		Kalyani Padmakar Bon
18		Rajakta Sakharam Desh
19		Ashwini Dhanraj Chatur
20		Rajakta Gajanan Badar
21		Amruta Ganesh Chajale
22		Tejaswi Sanjay Jatte
23		Dipali Rajesh Morakar
24		Bhavana Balkrushna Chor
25		Shraddha Deepak Pand
26		Shweta Mahesh Sahu
27		Kalyani Rajendra Lanj
28		Ashwini Hanuman Shelk
29		Sunita Sunil Langore
30		Radhika Sukhdeo Jakho
31		Ankita Bhaskar Ade
32		Shivani Suresh Porik
33		Pragati Yashwant Jago
34		Vaishnavi Subhash Bha
35		Minal Jaywant Thakar
36		Vaishnavi Andra Shettu
37		Utkarsha Rajendra Nimb
38		Rutuja Hemant Giri
39		Kashmi Angadrao Thak
40		Himani Govindrao Nikar
a	Sign of Teacher (1)	
b	Sign of Teacher (2)	
c	Date	
d	Total No. of Student Present	

P Total No. of Present of the student during the month

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	P	A	%
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SHRI SHIVAJI SCIE

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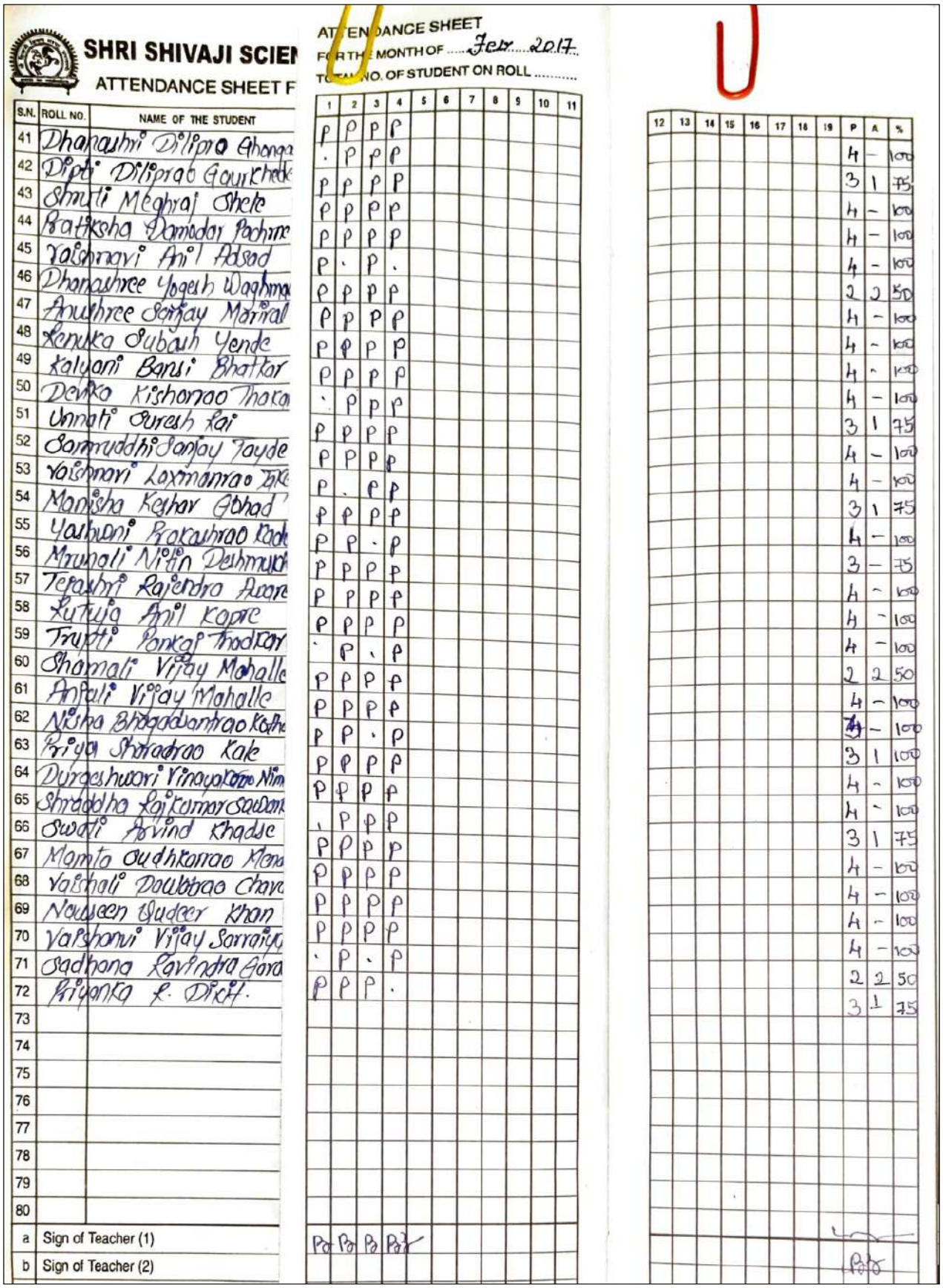
ATTENDANCE SHEET

FOR THE MONTH OF ...SEP – 2016

TOTAL NO. OF STUDENT ON ROLL .....

S.N.	ROLL NO.	NAME OF THE STUDENT
41		Dhanashri Dilipra Ahanga
42		Dipti Diliprao Gaurkhed
43		Smruti Meghraj Shete
44		Rutiksha Damodar Pachm
45		Yashswi Anil Adsad
46		Dhanashree Yogesh Waghma
47		Anushree Sanjay Mantal
48		Renuka Subash Yende
49		Kalyani Bansi Bhatkar
50		Devika Kishorrao Thaka
51		Unnati Suresh Rai
52		Samruddhi Sanjay Jayde
53		Vaishnavi Laxmanrao Tak
54		Manisha Keshav Gohod
55		Yashwani Prakashrao Kad
56		Mrunali Nitin Deshmukh
57		Tejashri Rajendra Aware
58		Kutuja Anil Kapse
59		Trupti Pankaj Thodkar
60		Shamali Vijay Mahalle
61		Anjali Vijay Mahalle
62		Nisha Bhagvantrao Kotha
63		Priya Sharadrao Kale
64		Durgeshwari Vinayakrao Nim
65		Shraddha Rajkumar Sawar
66		Swati Govind Khadse
67		Mamta Sudhakarrao Mens
68		Vaishali Dadarao Chava
69		Nausheen Qudeer Khan
70		Vaishnavi Vijay Sarraiya
71		Sadhana Ravindra Gora
72		Priyanka L. Dixit
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a	Sign of Teacher (1)	

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	P	A	%
P	A	P																	2	1	67
P	P	P																	3	-	100
P	P	P																	3	-	100
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P	P	P																	3	-	100
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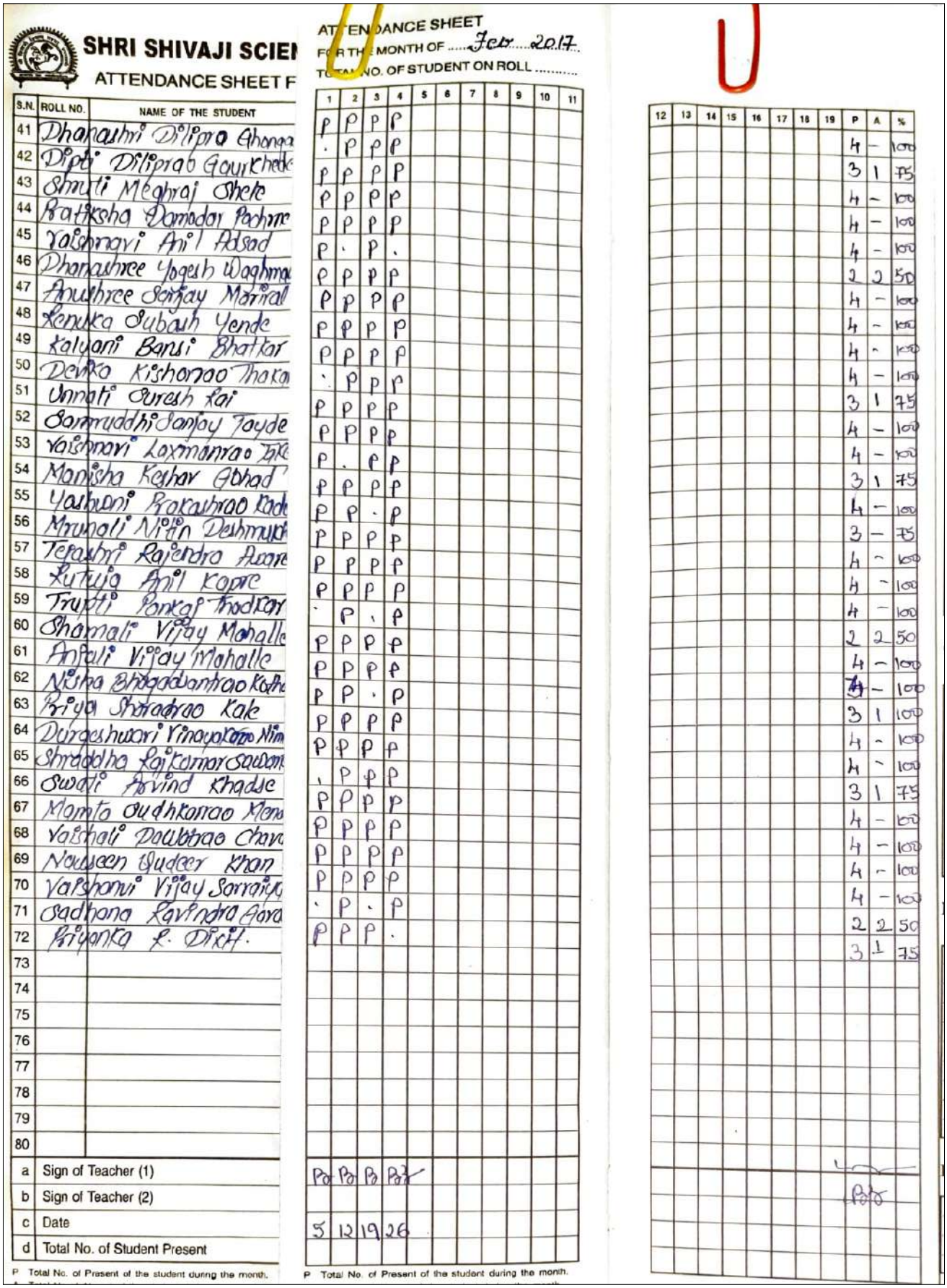
SHRI SHIVAJI SCIEN

ATTENDANCE SHEET F

ATTENDANCE SHEET
FOR THE MONTH OF ..... Feb. 2017
TOTAL NO. OF STUDENT ON ROLL .....

S.N.	ROLL NO.	NAME OF THE STUDENT
41		Dhanashri Dilipro Ghonga
42		Dipti Dilipraо Gaurkhede
43		Shruti Meghraj Shete
44		Ratiksha Damodar Pachare
45		Vaishnavi Anil Adsad
46		Dhanashree Yogesh Waghmare
47		Anushree Sanjay Morkal
48		Renuka Subash Yende
49		Kalyani Bansi Bhatkar
50		Devika Kishoraо Thakare
51		Unnati Suresh Rai
52		Samruddhi Sanjay Tayde
53		Vaishnavi Laxmanraо Tak
54		Manisha Keshar Gohad
55		Yashwani Prakashraо Kad
56		Mrunali Nitin Deshmukh
57		Tejashri Rajendra Awar
58		Kutuja Anil Kapse
59		Trupti Pankaj Thodkar
60		Shamali Vijay Mahalle
61		Anjali Vijay Mahalle
62		Nisha Bhagvanraо Kathe
63		Priya Shivdraо Kale
64		Durgeshwari Vinayakraо Nim
65		Shraddha Rajkumar Sawan
66		Swati Govind Khadse
67		Mamta Oudhkarraо Mane
68		Vaishali Dawalraо Chave
69		Nawseen Wudeer Khan
70		Vaishnavi Vijay Sarraiya
71		Sadhana Ravindra Gora
72		Priyanka L. Dixit.
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a	Sign of Teacher (1)	
b	Sign of Teacher (2)	

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SHRI SHIVAJI SCIE

ATTENDANCE SHEET F

ATTENDANCE SHEET

FOR THE MONTH OF ..... Feb 2017

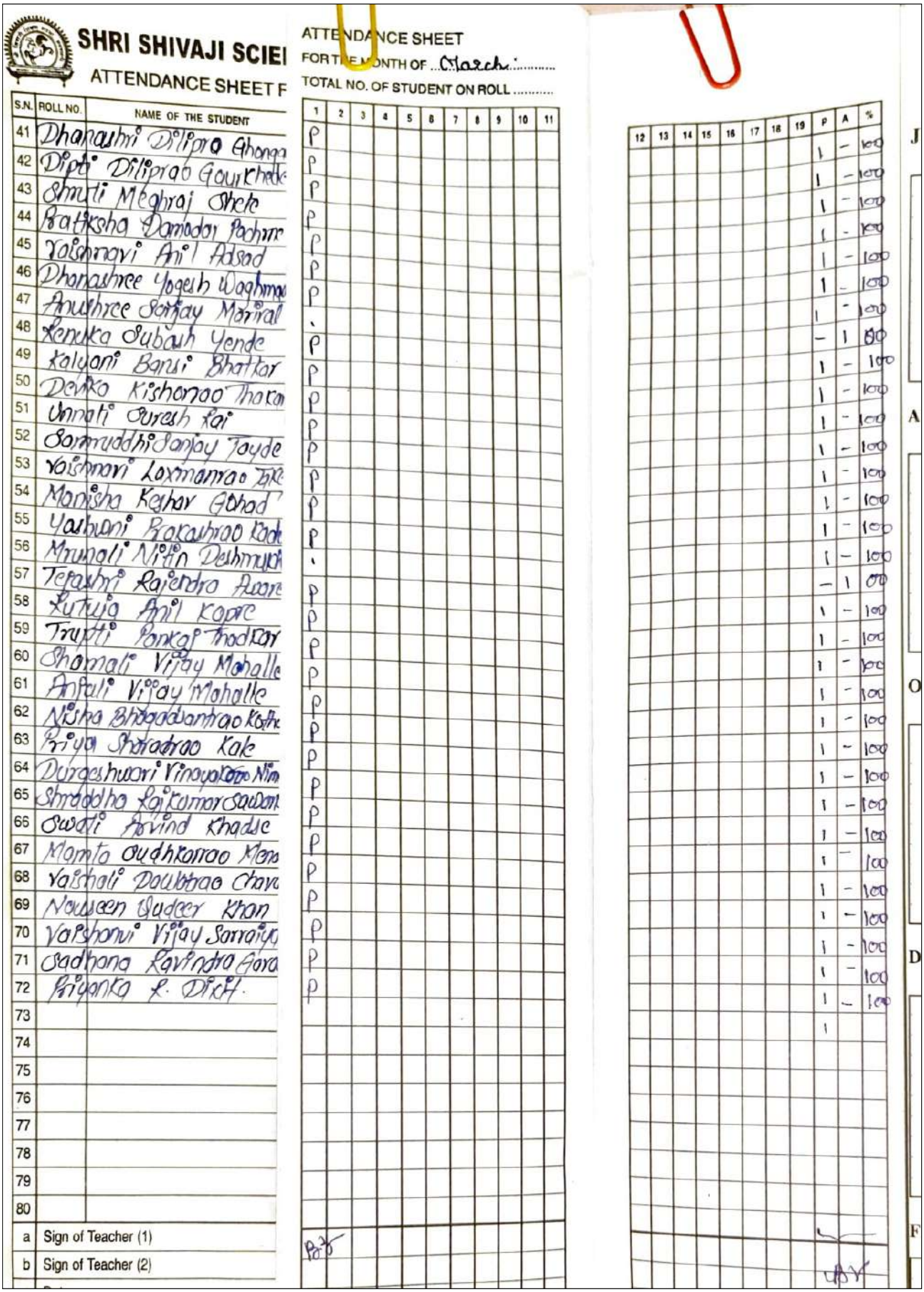
TOTAL NO. OF STUDENT ON ROLL .....

S.N.	ROLL NO.	NAME OF THE STUDENT
41		Dhanashri Dilipra Ghonm
42		Dipti Dilipra Gaurkhed
43		Smruti Meghraj Shete
44		Rakhsha Damodar Pachare
45		Vaishnavi Anil Adsad
46		Dhanashree Yogesh Waghma
47		Anushree Sanjay Mohrial
48		Renuka Subash Yende
49		Kalyani Bansi Bhatkar
50		Devika Kishorrao Thaka
51		Unnati Suresh Kai
52		Samruddhi Sanjay Tayde
53		Vaishnavi Laxmanrao Tek
54		Manisha Keshav Ghod
55		Yashoni Prakashrao Kad
56		Mrunali Nitin Deshmukh
57		Tejashri Rajendra Awar
58		Kutuja Anil Kopre
59		Trupti Pankaj Thodkar
60		Shamali Vijay Mahalle
61		Anjali Vijay Mahalle
62		Nisha Bhagwantrao Kath
63		Priya Sharadrao Kale
64		Durgeshwari Vinayakrao Nim
65		Shraddha Rajkumar Sawar
66		Swati Govind Khadse
67		Mamta Oudhkarrao Mene
68		Vaishali Dawbarao Chav
69		Nausheen Qudeer Khan
70		Vaishnavi Vijay Sarraiy
71		Sadhana Ravindra Gora
72		Priyanka L. Dixit
73		
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79		
80		
a	Sign of Teacher (1)	
b	Sign of Teacher (2)	
c	Date	5 12 19 26
d	Total No. of Student Present	P P P P

P Total No. of Present of the student during the month.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	P	A	%
P	P	P	P																4	-	100
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P	P	P	P																4	-	100
P	.	P	.																2	2	50
P	P	P	P																4	-	100
P	P	P	P																4	-	100
P	P	P	P																4	-	100
P	P	P	P																4	-	100
.	P	P	P																4	-	100
P	P	P	P																3	1	75
P	P	P	P																4	-	100
P	.	P	P																4	-	100
P	P	P	P																3	1	75
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5	12	19	26																		

P Total No. of Present of the student during the month.



SHRI SHIVAJI SCIE

ATTENDANCE SHEET F

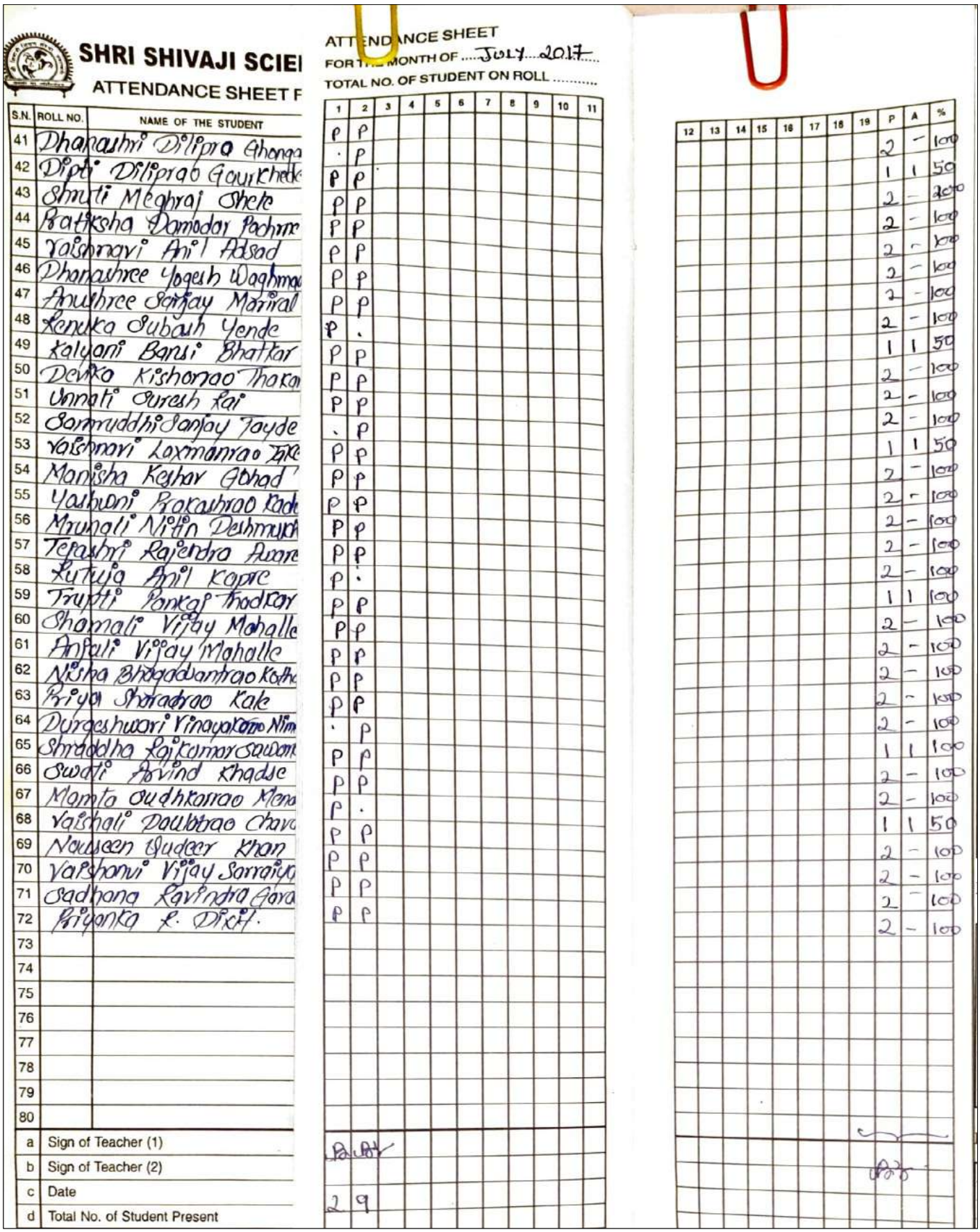
ATTENDANCE SHEET

FOR THE MONTH OF ...March.....

TOTAL NO. OF STUDENT ON ROLL .....

S.N.	ROLL NO.	NAME OF THE STUDENT
41		Dhanashri Dilipra Ghonga
42		Dipti Dilipraa Gaurkhed
43		Shruti Meghraj Dhote
44		Rutiksha Damodar Pachare
45		Rajeshwari Anil Adsad
46		Dhanashree Yogesh Waghma
47		Anushree Sanjay Marwal
48		Renuka Subash Yende
49		Kalyani Bansi Bhatkar
50		Devika Kishorrao Thakre
51		Unnati Suresh Rai
52		Samruddhi Sanjay Jayde
53		Vaishnavi Laxmanrao Tare
54		Manisha Keshar Gohad
55		Yashwini Prakashrao Kad
56		Mrunali Nitin Deshmukh
57		Tejashri Rajendra Awar
58		Kutuja Anil Kapre
59		Trupti Pankaj Thadkar
60		Shamali Vijay Mahalle
61		Anjali Vijay Mahalle
62		Nisha Bhaskarrao Kolhe
63		Priya Shivdasrao Kale
64		Durgeshwari Vinayakrao Nim
65		Shraddha Rajkumar Sawan
66		Swati Govind Khadse
67		Mamta Sudhakarrao Mene
68		Vaishali Daulatrao Chava
69		Nowsheen Sudeer Khan
70		Vaishnavi Vijay Sarraiya
71		Sadhana Ravindra Gora
72		Priyanka L. Dixit.
73		
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a	Sign of Teacher (1)	
b	Sign of Teacher (2)	

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	P	A	%
P																			1	–	100
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SHRI SHIVAJI SCIE

ATTENDANCE SHEET F

S.N.	ROLL NO.	NAME OF THE STUDENT
41		Dhanashri Dilipra Ghonga
42		Dipti Diliprao Gaurkhede
43		Smuti Meghraj Shete
44		Rutiksha Damodar Pachare
45		Vaishnavi Anil Adsad
46		Dhanashree Yogesh Waghmare
47		Anushree Sanjay Marwal
48		Renuka Subash Yende
49		Kalyani Bansi Bhatkar
50		Devika Kishorrao Thakre
51		Unnati Suresh Rai
52		Sammuddhi Sanjay Jayde
53		Vaishnavi Laxmanrao Tekr
54		Manisha Keshav Gohad
55		Yashoni Prakashrao Kade
56		Mrunali Nitin Deshmukh
57		Tejashri Rajendra Awarc
58		Kutuja Anil Kapre
59		Trupti Pankaj Thodkar
60		Shamali Vijay Mahalle
61		Anjali Vijay Mahalle
62		Nisha Bhagadvantrao Kothe
63		Priya Sharadrao Kale
64		Durgeshwari Vinayakrao Nim
65		Shraddha Rajkumar Sawarn
66		Swati Govind Khadse
67		Mamta Sudhakarrao Mena
68		Vaishali Daulatrao Chava
69		Nausheen Qudeer Khan
70		Vaishnavi Vijay Sarraiya
71		Sadhana Ravindra Gora
72		Priyanka L. Dixit.
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78		
79		
80		
a	Sign of Teacher (1)	
b	Sign of Teacher (2)	
c	Date	
d	Total No. of Student Present	

ATTENDANCE SHEET
FOR THE MONTH OF ..... JULY 2017 .....
TOTAL NO. OF STUDENT ON ROLL .....

1	2	3	4	5	6	7	8	9	10	11
P	P									
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Curriculum and Time table

Syllabus prescribed for Certificate course for the Subject
"Cosmetology"
under the scheme Career Oriented Programme
Theory

Unit-I : **Introduction to Cosmetics :**
1) History
2) Classification

Unit-II : **Study of Skin :**
1) Anatomy of skin
2) Physiology of skin
3) Types of skin and identification.

Unit-III : **Study of skin appendages :**
1) Hair
2) Nail

Unit-IV : Introduction to herbs for beauty care (Source, uses, and uses) :
1) Henna
2) Aloes
3) Shikakai
4) Turmeric
5) Tulsi

Unit-V : **Personal Grooming :**
1) Skin Care
2) Facial
3) Bleaching
4) Massage.

Practicals :
1) Study of anatomy of skin.
2) Study of anatomy of hair.
3) Study of anatomy of nail.
4) Identification of types of skin.
5) Study of morphology, characteristics, identification test for i) Henna, ii) Aloes, iii) Shikakai, iv) Termeric, v)
6) Bleaching - Preparation of paste.
   - Face bleaching
   - Hand bleaching
   - Leg bleaching
   - Precautions
7) Massage - Facial techniques, effect & treatment for blemished skin / pimple treatment.

Project : The project work shall be based on above syllabus.

*****

Shri Shivaji Science College Amravati
Department of Chemistry
Cosmetology
Certificate Course
Time Table

Day (Sunday)	1	2	3	4	5
Module(T) 10am-11 am	Module I Introduction to Cosmetology	Module I Nutrition and Health	Module I History of Cosmetics	Module I Herbal Cosmetics	Module I Classification of Cosmetics
Practical (11-1.00 pm)	Pr1Anatomy of skin	Pr2Anatomy of skin	Pr3Anatomy of hair	Pr4Anatomy of nail	Pr5Identification of type of skin
Day (Sunday)	6	7	8	9	10
Module(T) 10am-11 am	Module II Selection ,Storage and Shelf life of Cosmetics	Module II Study of Skin	Module II Anatomy OF Skin	Module II Anatomy OF SkinPhysiology of Skin	Module II Types of Skin
Practical (11-1.00 pm)	Pr6Morphology etc of Herbs Henna	Pr7Morphology etc of Aloes	Pr8Morphology etc of Shikakai	Pr9Morphology etc of Tulsi	Pr10Morphology etc of Turmeric
Day (Sunday)	11	12	13	14	15
Module(T) 10am-11 am	Module III Identification OF Skin	Module III Study of Skin Apendages	Module III Structure & Function of Hair	Module III Hair Cycle	Module III Structure & Function of Nails
Practical (11-1.00 pm)	Pr11Face Bleaching	Pr12Hand Bleaching	Pr13Leg Bleaching	Pr14Precaution during bleaching	Pr15Facial Theory tips
Day (Sunday)	16	17	18	19	20
Module(T) 10am-11 am	Module IV Hair & Nail Care	Module IV Introduction to herbs for beauty care (Source, Cultivation, Active Constitutes and uses) Tulsi	Module IV Aloes	Module IV Henna	Module IV Shikakai
Practical (11-1.00 pm)	Pr16Facial finger movement practise	Pr17Facial Demo and practise	Pr18Treatment for blemished skin	Pr19Treatment for pimpled skin	Pr20 Threading
Day	21 Waxing	22Leg	23Underarm	24 Hand	25Body

(Sunday)	Theory and Precautions	Waxing	Waxing	Waxing	Massage
Module(T) 10am-11 am	Module V Turmeric	Module V Personal Grooming	Module V Types of Camera	Module V Parts of Camera	Module V Function of Cameras
Practical (11-1.00 pm)	Pr21 Make-up	Pr22Hair style	Pr23College Hairstyle	Pr24Bridal Make-up	Pr25Personal Grooming
Day (Sunday)	26	27	28	29	30
Module(T) 10am-11 am	Module VI Types of lenses	Module VI Types of Filters	Module VI Aperture, Speed & ISO	Module VI Accessories of Camera	Module VI Photo editing
Practical (11-1.00 pm)	Pr26	Pr27	Pr28	Pr29	Pr30

Admission schedule: 1 to 31 July

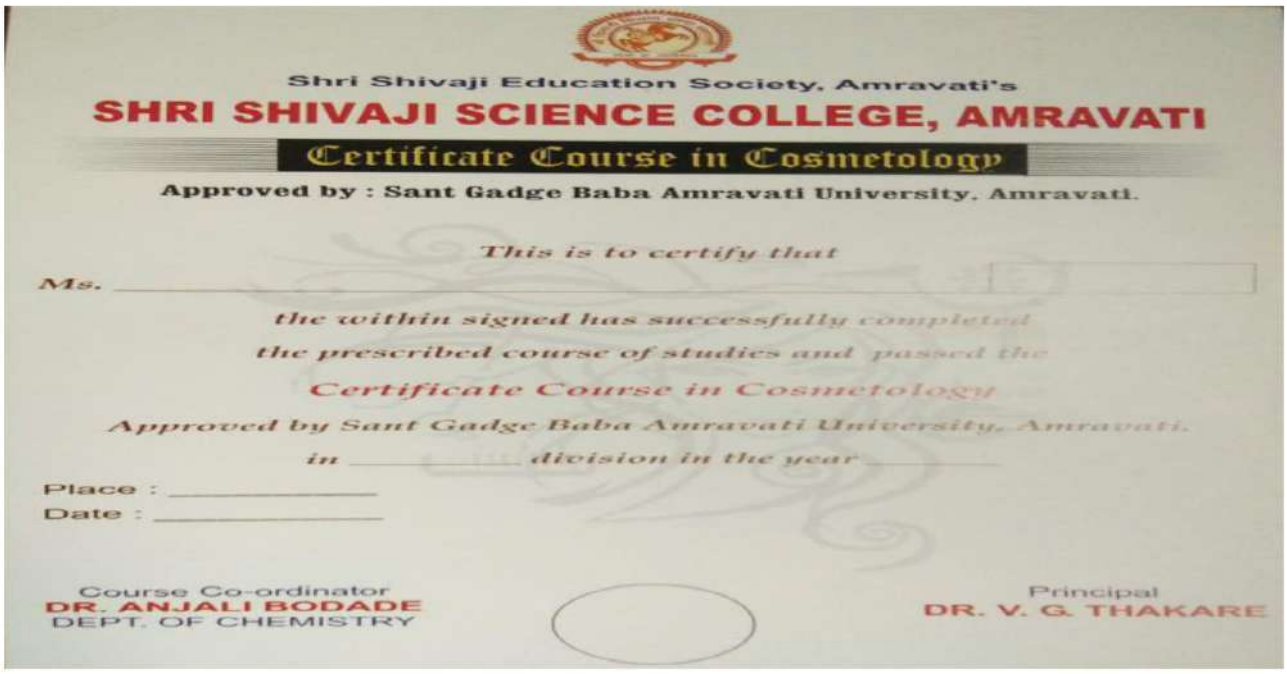
Theory & Practical schedule: Aug, Sept, Oct, Nov, Jan, Feb, March & April

Project Topics are given in the pre –Diwali session.

Assessment

ASSESSMENT

Shri Shivaji Science College ,Amravati				
Department of Chemistry				
Carrer Orientated Course in Cosmatology				
Result Analysis (2015-2020)				
CERTIFICATE				
Year/Course	Admitted	Appeared	Passed %	
2015-16	50	36	72	
2016-17	72	64	86	
2017-18	56	49	88	
2018-19	43	38	88	
2019-20	41	33	80	
Course Co-ordinator			Head of Dept.	Principal



Shri Shivaji Education Society, Amravati's

SHRI SHIVAJI SCIENCE COLLEGE, AMRAVATI

Certificate Course in Cosmetology

Approved by : Sant Gadge Baba Amravati University, Amravati.

This is to certify that

Ms. _____

the within signed has successfully completed

the prescribed course of studies and passed the

Certificate Course in Cosmetology

Approved by Sant Gadge Baba Amravati University, Amravati.

in _____ division in the year _____

Place : _____

Date : _____

Course Co-ordinator
DR. ANJALI BODADE
DEPT. OF CHEMISTRY

Principal
DR. V. G. THAKARE

Summary Report and Outcome

SESSION 2016-2017

SUMMARY REPORT AND OUTCOME

The number of students admitted were 72 for certificate , 12 for diploma and 6 for advanced diploma course.

Result obtained in pass percentage was Certificate 86% ,Diploma 75% and Advanced Diploma 33%.

Numbers of activities arranged

1) A seminar on "HEALTH & BEAUTY TIPS" was arranged for Cosmetology students on Saturday 6 Aug 2016, The guest, Dr. MinakshiRajurkar, Sukhakarta Skin city, Amravati delivered a talk on nuitritive diet and its correlation with beauty . She gave Homemade beauty tips and on hydrating the body.
2) Placement drive was arranged for the students of cosmetology on Wednesday 24th August 2016. Placement officer Mr. Manoj Kumar, Project Coordinator, Empower Pragati Vocational and Staffing Pvt Ltd, Sultanpur, New Delhi working in collaboration with RMSA,Maharashtra.
3) Seminar on different types of saree wearing and bridal make-up was arranged.MsLaxmiSarraya Vocational Trainer at ZP Girls High School,Amravati taught eighteen different types of Saree wearing.WhileDr Jyotsna Arvind Raut,Proprieter of L'oreal Professional Global Exclusive, Beauty Academy,(Tricology, Hair and Skin Care Expert) Paratwada demonstrated Bridal make-up.

I)Learning Outcomes of Certificate Course

- Personality Development.
- Identification and use of herbs as cosmetics.

II)Learning Outcomes of Diploma Course

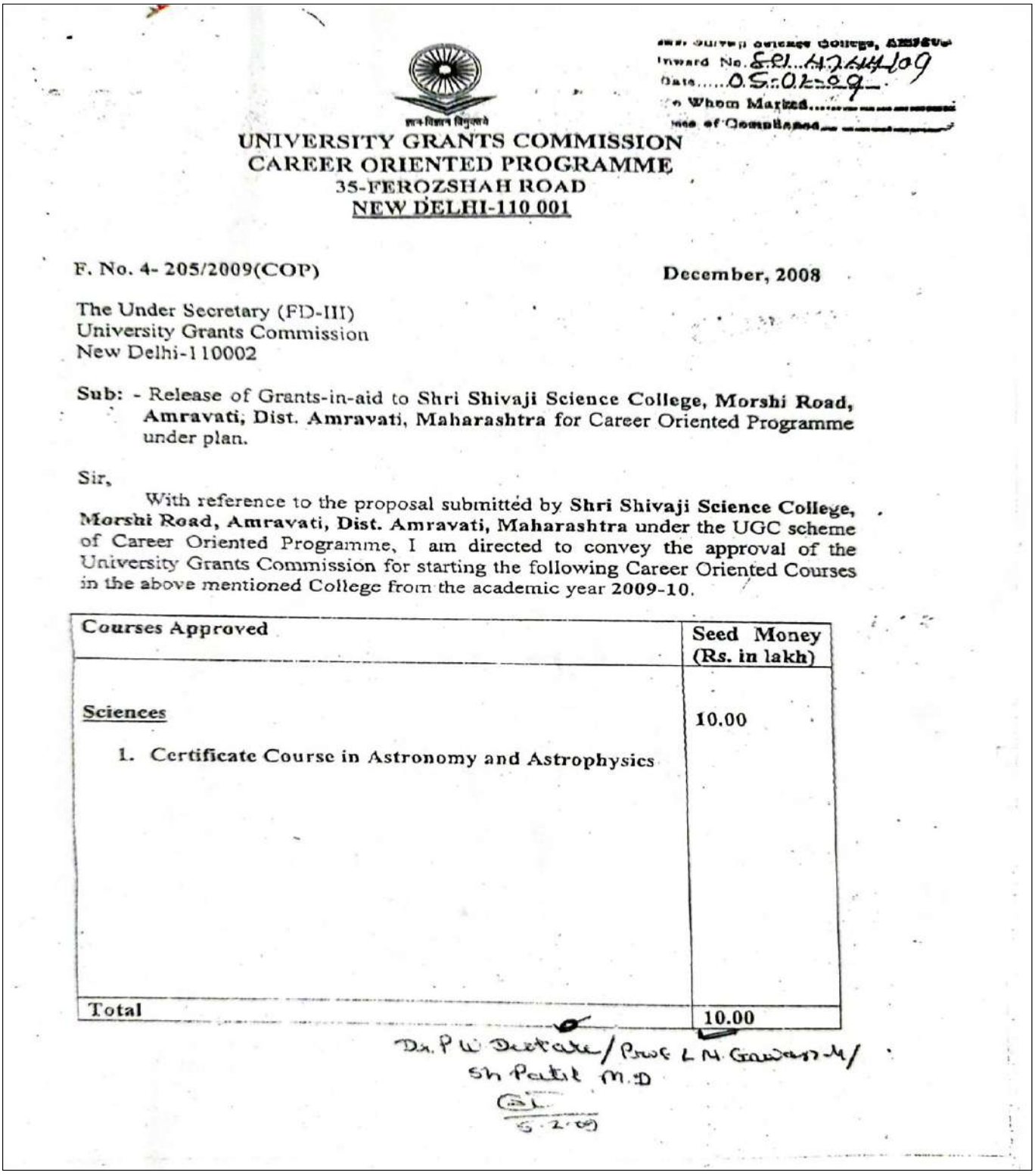
1)Motivation for preparation of homemade cosmetics.
2)Learnt Analysis of raw materials.
3)Identification of perfumes.
4)Aromatherapy.

5) **Placement of the students:** The outcome of the Placement Drive is that six of our students MsAkanshaUmak, Ms Shraddha Gawande, Ms Laxmi Sarraya,MsSonuGedam, Ms Nishigandha Wankhade and Ms Jyotsna Raut were selected as vocational trainers in ZillaParishad Schools at joined at Nanded, Amravati, Amravati,Morshi,Thane and Tembursonda on 2nd January 2017.

Ms Shraddha Gawande was selected as a Master Trainer for Amravati region during three days training camp held from 15th to 17th March 2017 at Aurangabad.

Department of Physics (COP-Astronomy and Astrophysics)

Name and Duration of the Program



Shri Shivaji Science College, Amravati
Inward No. EPI/47444/09
Date 05.02.09
To Whom Marked
Date of Compliance

UNIVERSITY GRANTS COMMISSION
CAREER ORIENTED PROGRAMME
35-FEROZSHAH ROAD
NEW DELHI-110 001

F. No. 4- 205/2009(COP) December, 2008

The Under Secretary (FD-III)
University Grants Commission
New Delhi-110002

Sub: - Release of Grants-in-aid to **Shri Shivaji Science College, Morshi Road, Amravati, Dist. Amravati, Maharashtra** for Career Oriented Programme under plan.

Sir,

With reference to the proposal submitted by **Shri Shivaji Science College, Morshi Road, Amravati, Dist. Amravati, Maharashtra** under the UGC scheme of Career Oriented Programme, I am directed to convey the approval of the University Grants Commission for starting the following Career Oriented Courses in the above mentioned College from the academic year **2009-10**.

Courses Approved	Seed Money (Rs. in lakh)
Sciences	10.00
1. Certificate Course in Astronomy and Astrophysics	
Total	10.00

Dr. P W Deotale / Prof L N Gautam M/
Sh Patil M.D
5.2.09

I am also directed to convey the sanction of the University Grants Commission for payment of Rs. **10,00,000/-** (Rupees **Ten Lakh only**) to **Shri Shivaji Science College, Morshi Road, Amravati, Dist. Amravati, Maharashtra** as one time grant (Seed Money) under the scheme of Career Oriented Programme.

The assistance available in the programme is only in the form of a one – time as **"Seed Money".** The amount may be utilized for the purchase of books and journals augmentation of laboratory facilities, equipment and payment of remuneration to the Guest faculty only.

The terms and conditions of the approval and grant released are as per the guidelines of the scheme.

1. The sanctioned amount is dabitable to the major Head **5.(i)** (Career Oriented to Education). The above sanction is valid for payment during the current financial year **2008-09.**
2. The amount of grant shall be drawn by the Under Secretary (Drawing and Disbursing Officer), University Grants Commission on the Grants –in –aid bill and shall be disbursed to the credited to the Principal, **Shri Shivaji Science College, Morshi Road, Amravati, Dist. Amravati, Maharashtra** through Demand Draft/Mail Transfer.
3. The grant is subject to the adjustment on the basis of Utilization Certificate in the prescribed proforma submitted by the University/College/Institution.
4. The University/College shall maintain proper accounts only on approved items of expenditure.
5. The Utilization Certificate to the effect that the grant has been utilized for the purpose for which it was sanctioned shall be furnished to the University Grants Commission as early as possible after the close of the current financial year.
6. The assets acquired wholly or substantially out of the University Grants Commission grant shall not be disposed or encumbered or Utilized for the purposes other than those for which the grant was given, without proper sanction of the University Grants Commission and should, at any time the college ceases to function, such assets shall revert to the University Grants Commission.
7. A Register of Assets acquired wholly or substantially out of the grant shall be maintained by the University in the prescribed form.
8. The grantee institution shall ensure the Utilization of grants-in-aid for which it is being sanctioned/paid. In case non-utilization/part utilization, the simple interest @ 10% per annum as amended from time to time on unutilized amount from the date of drawl to the date of refund as per provisions contained in General Financial Rules of Govt. of India will be charged.
9. **The University/College shall implement the programme from the academic year 2009-10 positively and UGC to be informed in this regard.**

10. The interest earned by the University/College/Institute on this grants in aid shall be treated as additional grant and may be shown in the U.C./Statement of expenditure to be furnished by grantee institutions.
11. The University/College shall follow strictly all the instructions issued by the Govt. of India from time to time with regard to reservation of posts for scheduled Caste and Scheduled Tribes.
12. The University/College shall fully implement the Official Language Policy of Union Govt. and comply with the Official Language Act, 1963 and Official Language (use for officially purpose of the Union) Rules, 1976 etc.
13. The Sanction issues in exercise of the delegation of powers vide Commission office order No. 25/92 dated May.01, 1992.
14. The funds to the extent are available under the scheme and has been noted in BCR for the year 2008-09 at S. No. 317 Page No. 45.

Yours faithfully,

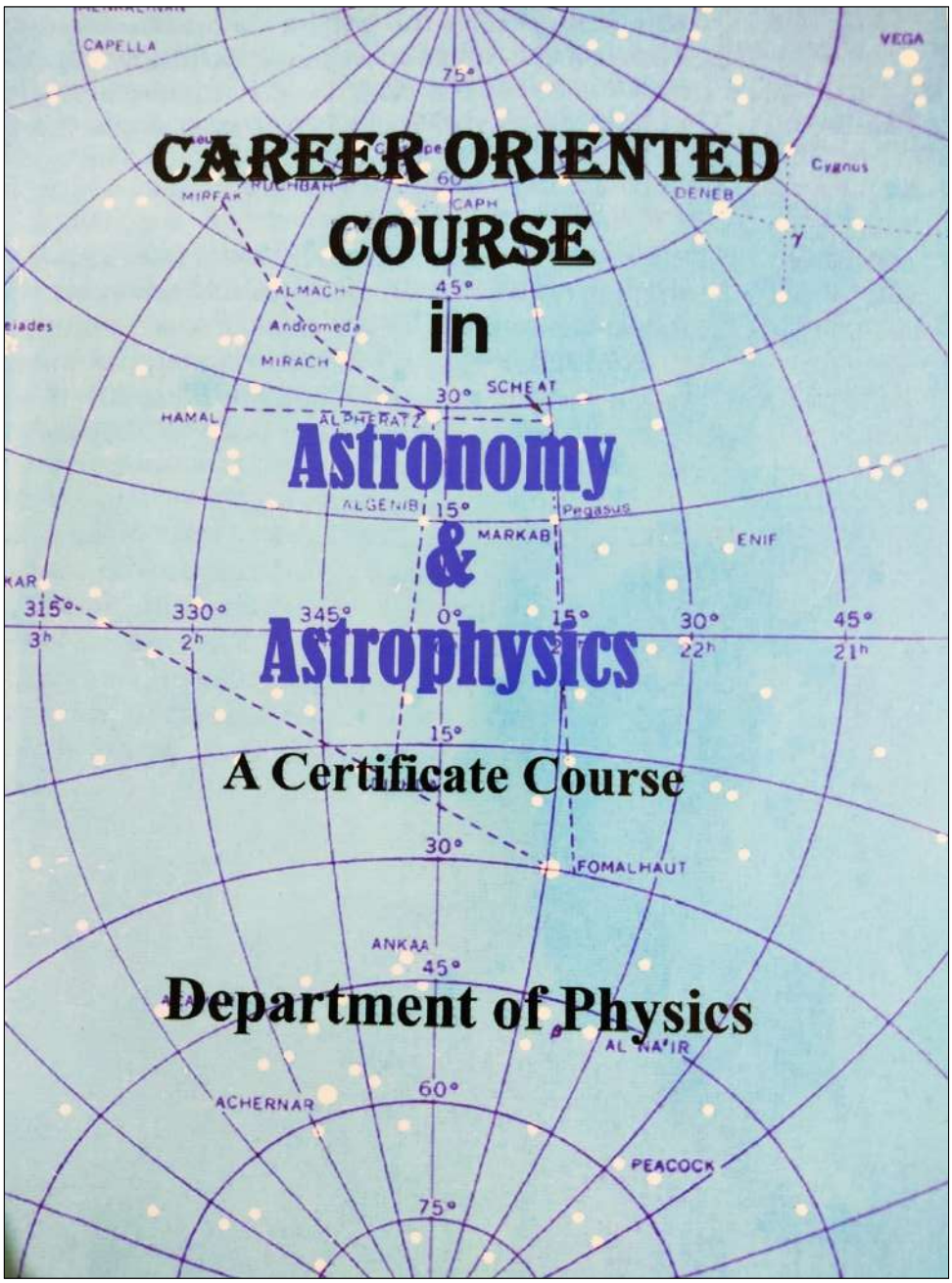
(Dr. (Mrs.) H.K. Chauhan)
Joint Director

Copy forwarded for information and necessary action to:

1. The Principal, **Shri Shivaji Science College, Morshi Road, Amravati, Dist. Amravati, Maharashtra** to intimate the receipt of the letter as well as the receipt of the sanction gram.
2. The Secretary to the Government of **Maharashtra**, Deptt. of Education, **Mumbai.**
3. The Registrar, **Sant Gadge Baba Amravati University, Amravati.**
4. Joint Director/Deputy Secretary/Education Officer, Western Regional Office, Ganeshkhind, Pune University Campus, Pune-411007, M.S.
5. Office of Director, General, Audit General Revenues, AGCR Bldg., I.P. Estate, New Delhi.
6. Guard File, UGC, New Delhi.

(Joginder)
Under Secretary

Principal
01.5.10.2.09


CAREER ORIENTED
COURSE
in
Astronomy
&
Astrophysics
A Certificate Course
Department of Physics
CAPELLA
VEGA
Cygnus
DENEB
ALMACH
Andromeda
MIRACH
SCHEAT
HAMAL
ALPHERATZ
ALGENIB
Pegasus
MARKAB
ENIF
FOMALHAUT
ANKAA
ACHERNAR
PEACOCK
AL NA'IR

List of the Students Enrolled and Attendance

Students Admitted &Passed in Astronomy Astrophysics

Certificate Course 2016-17

Sr. No.	Name	Class	Group
1	ATKARE SAYALI RAJESH	B.Sc. I	PCM
2	BHALERAO SNEHA SHAILENDRA	B.Sc. I	PCM
3	CHAWARE SIDDHALI PARAG	B.Sc. I	PCM
4	KANADE RUCHALI RAVINDRA	B.Sc. I	PCM
5	MAHAKAL VAISHNAVI SANJAY	B.Sc. I	PCM
6	WATANE GUNJAN DAMODHAR	B.Sc. I	PCM
7	YAWALE DEEPIKA SHRIKRISHNA	B.Sc. I	PCM
8	PETLE JANVI PRASHANT	B.Sc. I	PCM
9	SAHU SHWETA MAHESH	B.Sc. I	PCM

Certificate Course in Astronomy &Astrophysics

Students Attendance

August 2016

Sr. No.	Name	1	2	3	4	5	6	7	8	9	10
1	ATKARE SAYALI RAJESH	✓	✓	✓	✓	✗	✓	✓	✓	✓	✓
2	BHALERAO SNEHA SHAILENDRA	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
3	CHAWARE SIDDHALI PARAG	✗	✓	✓	✓	✓	✓	✓	✗	✓	✓
4	KANADE RUCHALI RAVINDRA	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
5	MAHAKAL VAISHNAVI SANJAY	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
6	WATANE GUNJAN DAMODHAR	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓
7	YAWALE DEEPIKA SHRIKRISHNA	✓	✗	✓	✓	✓	✓	✓	✓	✓	✓
8	PETLE JANVI PRASHANT	✓	✓	✓	✓	✓	✓	✗	✗	✓	✓
9	SAHU SHWETA MAHESH	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Dates	1	2	8	9	16	22	23	29	30	31

Certificate Course in Astronomy &Astrophysics
Students Attendance

September 2016

Sr. No.	Name	P 1	2	3	4	5	6	7	8
1	ATKARE SAYALI RAJESH	✓	✓	✓	✓	✓	✓	✓	✓
2	BHALERAO SNEHA SHAILENDRA	✓	✓	✓	✓	✓	✓	✓	✓
3	CHAWARE SIDDHALI PARAG	✓	✓	✓	✓	X	✓	✓	✓
4	KANADE RUCHALI RAVINDRA	✓	✓	✓	✓	✓	✓	✓	✓
5	MAHAKAL VAISHNAVI SANJAY	✓	✓	✓	✓	✓	✓	✓	X
6	WATANE GUNJAN DAMODHAR	✓	✓	✓	✓	✓	✓	✓	✓
7	YAWALE DEEPIKA SHRIKRISHNA	✓	✓	✓	✓	✓	✓	✓	✓
8	PETLE JANVI PRASHANT	✓	✓	X	✓	✓	✓	✓	✓
9	SAHU SHWETA MAHESH	✓	✓	✓	✓	✓	✓	✓	✓
	Dates	1	7	8	14	15	21	22	28

Certificate Course in Astronomy &Astrophysics
Students Attendance

October 2016

Sr. No.	Name	T 1	2	3	4	5	6	7	8
1	ATKARE SAYALI RAJESH	✓	✓	✓	X	✓	✓	✓	✓
2	BHALERAO SNEHA SHAILENDRA	✓	✓	✓	✓	✓	✓	✓	✓
3	CHAWARE SIDDHALI PARAG	✓	✓	✓	✓	✓	✓	✓	✓
4	KANADE RUCHALI RAVINDRA	X	✓	✓	✓	✓	✓	✓	✓
5	MAHAKAL VAISHNAVI SANJAY	✓	✓	✓	✓	✓	✓	✓	✓
6	WATANE GUNJAN DAMODHAR	✓	✓	✓	✓	✓	✓	✓	✓
7	YAWALE DEEPIKA SHRIKRISHNA	✓	✓	✓	✓	✓	✓	✓	✓
8	PETLE JANVI PRASHANT	✓	✓	✓	✓	✓	✓	✓	✓
9	SAHU SHWETA MAHESH	✓	X	✓	✓	✓	✓	✓	✓
	Dates	5	6	13	19	20	21	22	23

Certificate Course in Astronomy &Astrophysics
Students Attendance

January 2017

Sr. No.	Name	P 1	2	3	4	5	6	7	8
1	ATKARE SAYALI RAJESH	✓	✓	✓	✓	✓	✓	✓	
2	BHALERAO SNEHA SHAILENDRA	✓	✓	✓	✓	✓	✓	✓	
3	CHAWARE SIDDHALI PARAG	✓	✓	✓	✓	✓	✓	✓	
4	KANADE RUCHALI RAVINDRA	✓	✓	×	✓	✓	✓	✓	
5	MAHAKAL VAISHNAVI SANJAY	✓	✓	✓	✓	✓	✓	✓	
6	WATANE GUNJAN DAMODHAR	✓	✓	✓	✓	✓	✓	✓	
7	YAWALE DEEPIKA SHRIKRISHNA	✓	✓	✓	✓	✓	✓	✓	
8	PETLE JANVI PRASHANT	✓	✓	✓	✓	✓	✓	✓	
9	SAHU SHWETA MAHESH	✓	✓	✓	✓	✓	✓	✓	
	Dates	4	5	11	12	18	19	25	

Certificate Course in Astronomy &Astrophysics
Students Attendance

February 2017

Sr. No.	Name	1	2	3	4	5	6	7	8
1	ATKARE SAYALI RAJESH	✓	✓	✓	✓	✓	✓	✓	✓
2	BHALERAO SNEHA SHAILENDRA	✓	✓	✓	✓	✓	✓	✓	✓
3	CHAWARE SIDDHALI PARAG	✓	✓	✓	✓	✓	✓	✓	✓
4	KANADE RUCHALI RAVINDRA	✓	×	✓	✓	✓	✓	✓	✓
5	MAHAKAL VAISHNAVI SANJAY	✓	✓	✓	✓	✓	✓	✓	✓
6	WATANE GUNJAN DAMODHAR	✓	✓	✓	✓	✓	✓	✓	✓
7	YAWALE DEEPIKA SHRIKRISHNA	×	✓	✓	✓	✓	✓	✓	✓
8	PETLE JANVI PRASHANT	✓	✓	✓	✓	✓	✓	✓	✓
9	SAHU SHWETA MAHESH	1	2	8	9	15	16	22	23

Curriculum and Time table

CAREER ORIENTED COURSE SYLLABUS

Certificate Course in Astronomy and Astrophysics

Duration: Annual

Theory: 10 credits of 15 hours each

Unit I **History of Astronomy**

- Pre historic astronomy
- Early ideas of heavens
- Astronomy as tool in every day life and basis for religion.
- Contributions by ancient Hindu, Arabic and Greek astronomers or thinkers like Ptolemy, Aryabhatta, Varahmir, Nicolas Copernicus, Johannes Kepler, Galileo Galili, Tycho Brahe, Issac Newton etc.

Unit II **Sky and Coordinate system in Astronomy**

- Aspect of sky at a given place
- Sky conditions for astronomical observations
- Identification of some prominent stars in the night sky
- Spherical coordinate system.
- Latitude and longitude at a place on the earth.
- Celestial coordinate system (RA and Dec).
- Concept of celestial equator, elliptic and equinoxes.
- Precession of equinoxes.
- Astronomical definition of time.
- Visual magnitude system for stars and planets.

Unit III **Sky observations at night**

- Ideal sky for astronomical observations.
- Constellation including Zodiac belt.
- Sky charts.
- Motion of moon.
- Apparent motion of sun.
- Motion of planets.

Unit IV **Astronomical Instruments -I**

- Sextant : Principle of working and its application for measurement of coordinates of stars and planets.
- Binoculars : Principle of working, field of view, magnifying power, resolving power.
- DSLR camera : Principle of working and its features.

Field work/Project work : Field work/Project work based on critical study of any one of the topics included in theory or practical should be completed for the course.

Training : Training at leading research institute in India.

Practical : Perform at least 15 experiments based on theory paper.

Time Table

Session 2016-17

Day	Theory 06:30 – 07:30 PM	Practical 07:30 – 09:30 PM
Mon	CC (PAN)	DC (WSB)
Tue	CC (WSB)	DC (PAN)
Wed	DC (VBB)	ADC (PAN)
Thu	DC (VBB)	ADC (PAN)
Fri	ADC (SSA)	CC (PAN)
Sat	ADC (PAN)	CC (WSB)

CC: Certificate Course, DC: Diploma Course, ADC: Advanced Diploma Course

Assessment

SHRI SHIVAJI SCIENCE COLLEGE, AMRAVATI

DEPARTMENT OF PHYSICS

Assessment

Career Oriented Program (COP)

Astronomy and Astrophysics

Result Analysis (2016-17)

Course	Year	No. of students admitted	No. of students passed
Certificate	2016-17	09	09

Shri Shivaji Education Society, Amravati's

Shri Shivaji Science College, Amravati

NAAC Accredited by Grade "A" with CGPA of 3.13 (Third Cycle),
UGC Awarded Status of College with Potential for Excellence (Second Phase),
Identified by DST, Govt of India for FIST and Sant Gadge Baba Amravati University, Amravati as Lead College

ASTRONOMY AND ASTROPHYSICS

Career Oriented Course

Approved by SANT GADGE BABA AMRAVATI UNIVERSITY, AMRAVATI

CERTIFICATE

This is to certify that Mr./Ms. _____
the within signed has successfully completed the prescribed course of studies and passed the CERTIFICATE COURSE in "ASTRONOMY AND ASTROPHYSICS" in First Division in the academic year 2016-17.

H.O.D. Course Coordinator Principal

Summary Report and Outcome

Summary Report and Course Outcomes (2015-16)

The night sky dotted with millions of shining and twinkling stars is really a majestic spectacle to the eyes. It lets us wondering as to where these stars come from, enchant the world with their brilliant sparkle and then vanish and come back again the next night. Similar queries and hundreds of other mysteries like the movement of planets, of meteors and quest for life on other planets have left man dumbfounded. Astronomy, as a career option, ensures unravel these mysteries. If one is amazed at the mysteries of the universe and nurtures a desire to unravel this, choose the career of Astronomy. It will test one's scientific temperament and also satisfy one's curiosity. One opportunity to work with the best brains in the country and will become a part of the intellectual treasure of the world.

Astronomy is the science that deals with the material universe beyond the earth's atmosphere. It studies the nature and constitution of heavenly bodies. It is also the study of the laws, which govern them, as also the effect produce upon one another. It seeks to unravel the probable past history of heavenly bodies and their development.

The use of modern technology and new gadgets has made Astronomy a specialized branch of study in modern science. Man used to study the motion of planets and heavenly bodies since ancient times. With the science and technology, man began to use sophisticated technological gadgets for the purpose. Aryabhatta, Tycho Brahe and Sir Isaac Newton have been some of the best brains in Astronomy since the ages.

As Astronomer, one has to observe the night sky and gather various astronomical data, analyze them and then discern and compare other available data. Thereby, one will arrive at conclusions, refute old theories and build new theories.

Astronomy is divided into several branches such as Astrophysics, Astrometeorology, Astrobiology and Astrometry. These branches together help in the holistic study of the discipline and unravel the mysteries of the universe.

Objectives of the course

- The purpose and activities of the astronomy enthusiasts has till date been purely leisure. We feel the need to incorporate the existing facilities into the mainstream undergraduate physics education through this Career Oriented Course.
- This shall be amongst the very few institutes where the students get to make use of astronomical facility as a part of undergraduate education.
- The students would get an exposure to astronomy as an observational science.
- The academic curriculum shall be enriched.
- Help the students to develop skills that shall enable them to work in a group.
- Exposure of students to observation based research in Astronomy.
- Students and faculty as part of this course work to promote astronomy as a hobby and spread knowledge among the students of Colleges and schools of the neighboring areas.

Through this course we have arranged many Sky Watching Sessions at all Major Astronomical Events with

- 1. Celestron 8 inch Schmidt Cassegrain Telescope a view finder and inbuilt tracking system on an equatorial mount.
- 2. Binoculers (20X80 Giant and 25X100 Super Giant) with heavy duty mount.
- 3. Canon DSLR Camera EOS 5D MARK II
- Sessions on telescope handling and astrophotography for Schools
- Special educational sessions for the school students around
- Popular Lectures on astronomy and astrophysics

After the completion of the course students will

- learn the history of modern observational astronomy, with a key focus on how the interpretation of results from experimentation and observation guided the deployment of astronomy.
- be able to read the sky maps/ sky charts.
- learn different celestial coordinate systems
- be able to describe different zodiacal constellations.
- be able to describe detail changes which are observed when viewing the sky daily, weekly, monthly, annually and longer period of time and demonstrate an understanding of the reasons behind any observed changes.
- be able to describe the working principle of astronomical tools.
- be able to use basic astronomical tools.

Dept. of Zoology (COP-Eco-tourism & Wildlife Photography)

Name and Duration of the Program

Department of Zoology
COP-Eco-tourism & Wildlife Photography
Certificate Course 2016-2017

PERMISSION LETTER

UNIVERSITY GRANTS COMMISSION
CAREER ORIENTED PROGRAMME
35-FEROZSHAH ROAD
NEW DELHI-110 001

F. No. 4-496/2009(COP)

June, 2009

The Under Secretary (FD-III)
University Grants Commission
New Delhi-110002

Sub: – Release of Grants-in-aid to Shri Shivaji Science College, Morshi Road, Amravati, Dist. Amravati, Maharashtra for Career Oriented Programme under plan.

Sir,

With reference to the proposal submitted by Shri Shivaji Science College, Morshi Road, Amravati, Dist. Amravati, Maharashtra under the UGC scheme of Career Oriented Programme, I am directed to convey the approval of the University Grants Commission for starting the following Career Oriented Courses in the above mentioned College from the academic year 2009-10

Courses Approved	Seed Money (Rs. in lakh)
Arts/Social Science	
1. Diploma Eco-Tourism + Wild life Photography	7.00
Total	7.00

I am also directed to convey the sanction of the University Grants Commission for payment of Rs. 7,00,000/- (Rupees Seven lakh only) to Shri Shivaji Science College, Morshi Road, Amravati, Dist. Amravati Maharashtra as one time grant (Seed Money) under the scheme of Career Oriented Programme.

The assistance available in the programme is only in the form of a one time as **"Seed Money"**. The amount may be utilized for the purchase of books and journals augmentation of laboratory facilities, equipment and payment of remuneration to the Guest faculty only.

The terms and conditions of the approval and grant released are as per the guidelines of the scheme.

1. The sanctioned amount is dabitable to the major Head **5.(i)** (Career Oriented to Education). The above sanction is valid for payment during the current financial year **2009-10.**
2. The amount of grant shall be drawn by the Joint Director (Drawing and Disbursing Officer), University Grants Commission on the Grants in aid bill and shall be disbursed to the credited to the Principal, **Shri Shivaji Science College, Morshi Road, Amravati, Dist. Amravati, Maharashtra** through Demand Draft/Mail Transfer.
3. The grant is subject to the adjustment on the basis of Utilization Certificate in the prescribed proforma submitted by the University/College/Institution.
4. The University/College shall maintain proper accounts only on approved items of expenditure.
5. The Utilization Certificate to the effect that the grant has been utilized for the purpose for which it was sanctioned shall be furnished to the University Grants Commission as early as possible after the close of the current financial year.
6. The assets acquired wholly or substantially out of the University Grants Commission grant shall not be disposed or encumbered or Utilized for the purposes other than those for which the grant was given, without proper sanction of the University Grants Commission and should, at any time the college ceases to function, such assets shall revert to the University Grants Commission.
7. A Register of Assets acquired wholly or substantially out of the grant shall

-3-

10. The interest earned by the University/College/Institute on this grants in aid shall be treated as additional grant and may be shown in the U.C./Statement of expenditure to be furnished by grantee institutions.
11. The University/College shall follow strictly all the instructions issued by the Govt. of India from time to time with regard to reservation of posts for scheduled Caste and Scheduled Tribes.
12. The University/College shall fully implement the Official Language Policy of Union Govt. and comply with the Official Language Act, 1963 and Official Language (use for officially purpose of the Union) Rules, 1976 etc.
13. The Sanction issues in exercise of the delegation of powers vide Commission office order No. 25/92 dated May.01, 1992.
14. The funds to the extent are available under the scheme and has been noted in BCR for the year 2009-10 at S. No. 416 Page No. 8.

Yours faithfully,

(Dr. (Mrs.) H.K. Chauhan)
Joint Director

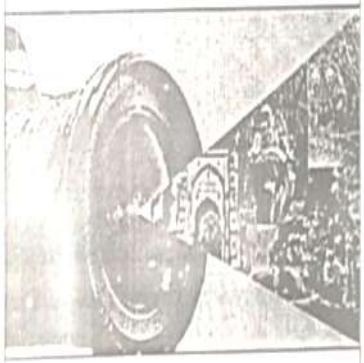
Copy forwarded for information and necessary action to:

1. The Principal, **Shri Shivaji Science College, Morshi Road, Amravati, Dist. Amravati, Maharashtra** to intimate the receipt of the letter as well as the receipt of the sanction grant.
2. The Secretary to the Government of **Maharashtra**, Deptt. of Education, **Mumbai**.
3. The Registrar, **S.G.B. Amravati University, Amravati.**
4. Joint Secretary Western Regional Office, Ganeshkhind, Pune University Campus, Pune-411007 (Maharashtra)
5. Office of Director, General, Audit General Revenues, AGCR Bldg., I.P. Estate, New Delhi.
6. Guard File, UGC, New Delhi.

(Joginder)
Under Secretary

Eco-Tourism and Wild Life Photography

Career Oriented Course



About Course :

This course is designed to give you knowledge about eco-tourism and photography and help you build a career as tour guides, Nature guides and photographers. Anyone can take a snap, but not everyone can take a good picture. A proper foundation has to be laid, basic knowledge gained and correct techniques have to be learnt.

Come & join us for this basic course for enhancing your knowledge of wild life and the art of photography. Apart from classroom sessions, there will be practical shooting sessions, field visits to National parks and sanctuaries. Who knows? There may be a famous Nature guide and photographer hiding inside you, waiting to be discovered!

Objectives of the course :

1. To create communication skills.
2. To impart instructions on the basic concepts, evolution and scope of Eco-tourism and wildlife photography.
3. To develop an appreciation for responsible and sustainable tourism.
4. To awaken people to the importance of ecology, culture, history and economic development.
5. To create ability for chalking out trekking programmes.
6. To promote Nature and wild life photography.
7. To increase awareness about conservation of Nature and wild life.
8. To create a scientific attitude towards wild life.
9. To arrange exhibition on wild life.
10. To establish a link with national and international institutes.

Job prospects / Avenue :

1. Eco-tourism and wildlife photographer.
2. Electronic media, TV channel, etc.
3. Wildlife photo-journalist.
4. Resource person on conservation education.
5. Jobs in forest department, national sanctuaries, zoological park, NGO's etc.
6. Freelance photographer.
7. Tour and Nature guides.
8. Camping, trekking & adventure activity Manager.
9. Guide and Naturalist at National parks and sanctuaries.

You will learn :

Certificate course (One session):

Unit I	Environment & Ecology.
Unit II	Ecosystem
Unit III	Ecotourism
Unit IV	Guide Training
Unit V	Photography

Diploma course (One session):

Unit I	Environmental education
Unit II	Ecotourism activities.
Unit III	Planning in Ecotourism
Unit IV	Environment impact of ecotourism
Unit V	Photography

Advance Diploma course (One session):

Unit I	Forest & management
Unit II	Remote sensing
Unit III	Wild life management
Unit IV	Legislation
Unit V	Wild life Photography

List of the students Enrolled and Attendance

Shri Shivaji Science College Amravati

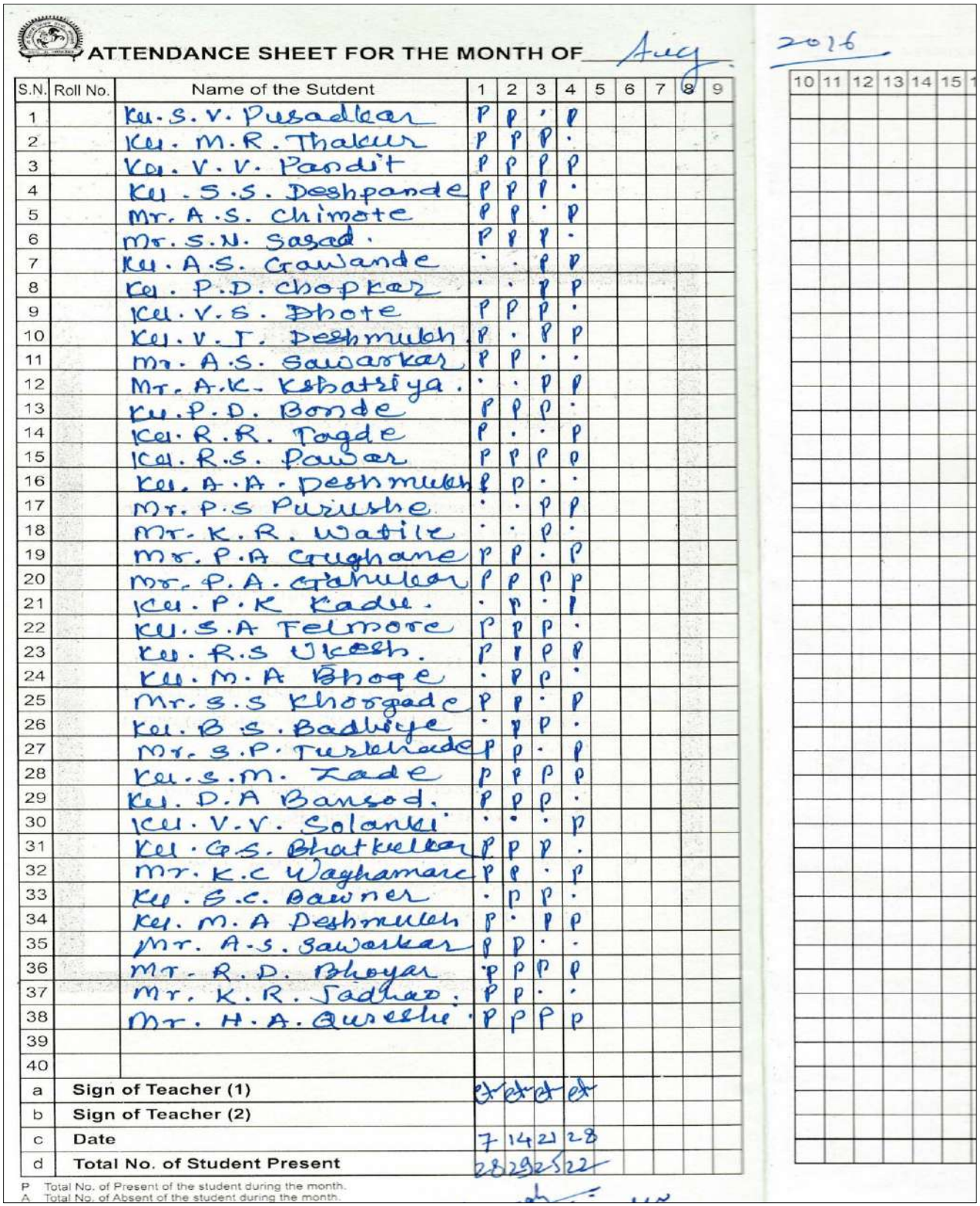
Department of Zoology

COP-Ecotourism and wildlife Photography

Certificate Course

List of certificate course students 2016-17

Sr.No	ID No.	Name	M/F	Category	Amount
1	18009	Ku.SimranV.Pusatkar	F	OBC	1000
2	18022	Ku.MuskanR.Thakur	F	Open	1000
3	18030	Ku.VaishnaviV.Pandit	F	NT3	1000
4	18031	Ku.ShakambhariS.Deshpande	F	Open	1000
5	18339	Mr.AnkitS.Chimote	M	ST	1000
6	18402	Mr.SahilN.Sarad	M	OBC	1000
7	18448	Ku.AnjaliS.Gawande	F	OBC	1000
8	18449	Ku.PayalD.Chopkar	F	OBC	1500
9	18457	Ku.VedantiS.Dhote	F	OBC	1500
10	18502	Ku.VaishnaviJ.Deshmukh	F	Open	1500
11	18590	Mr.AbhijitS.Sawarkar	M	OBC	1000
12	18591	Mr.AnandK.Kshatriya	M	Open	1000
13	18592	Ku.PritiD.Borule	F	OBC	1500
14	18593	Ku.Ruchi R. Tagade	F	SC	1000
15	18648	Ku.RishikaS.Pawar	F	Open	1000
16	18649	Ku.AshwiniA.Deshmukh	F	OBC	1500
17	18655	Mr.PranayS.Purushe	M	Open	1000
18	18721	Mr.KuldipR.Watile	M	OBC	1000
19	18722	Mr.PrajwalA.Ghughane	M	OBC	1000
20	18723	Mr.PrasadA.Gahukar	M	OBC	1000
21	18764	Ku.PayalK.Kadu	F	OBC	1000
22	18800	Ku.ShreyaA.Telmore	F	SC	1500
23	18815	Ku.RakshikaS.Ukesh	F	SC	1500
24	18856	Ku.MeghaA.Bhoge	F	OBC	1000
25	18859	Mr.ShripadS.Khorgade	M	OBC	1500
26	18875	Ku.BhagyashreeS.Badhiye	F	NT2	1500
27	18882	Mr.ShrikantP.Turkhade	M	OBC	1500
28	18883	Ku.SanjivaniM.Zade	F	OBC	1000
29	18911	Ku.DikshantiA.Bansod	F	SC	1000
30	18954	Mr.Pramod N. Turkhade	M	OBC	1500
31	18955	Ku.VishakaV.Solanki	F	Open	1500
32	19061	Ku.GayatriS.Bhatkulkar	F	OBC	1500
33	19081	Mr.KaranC.Waghmare	M	ST	1000
34	19082	Ku.ShivaneeE.Bawner	F	NT1	1500
35	19096	Ku.MrunalA.Deshmukh	F	OBC	1500
36	19114	Mr.ArpitS.Sawarkar	M	OBC	1500
37	19117	Mr.RushikeshD.Bhoyar	M	OBC	1500
38	19118	Mr.HayatA.Qureshi	M	Open	1500



ATTENDANCE SHEET FOR THE MONTH OF Aug. 2016

S.N.	Roll No.	Name of the Sutdent	1	2	3	4	5	6	7	8	9
1		Ku. S. V. Pusadkar	P	P	P	P					
2		Ku. M. R. Thakur	P	P	P	.					
3		Ku. V. V. Pandit	P	P	P	P					
4		Ku. S. S. Deshpande	P	P	P	.					
5		Mr. A. S. Chimote	P	P	.	P					
6		Mr. S. N. Sayad.	P	P	P	.					
7		Ku. A. S. Gawande	.	.	P	P					
8		Ku. P. D. Chopkar	.	.	P	P					
9		Ku. V. S. Bhote	P	P	P	.					
10		Ku. V. T. Deshmukh	P	.	P	P					
11		Mr. A. S. Sawarkar	P	P	.	.					
12		Mr. A. K. Kshatriya	.	.	P	P					
13		Ku. P. D. Bonde	P	P	P	.					
14		Ku. R. R. Tagde	P	.	.	P					
15		Ku. R. S. Pawar	P	P	P	P					
16		Ku. A. A. Deshmukh	P	P	.	.					
17		Mr. P. S Purushe	.	.	P	P					
18		Mr. K. R. Watile	.	.	P	.					
19		Mr. P. A Ghughane	P	P	.	P					
20		Mr. P. A. Gahukar	P	P	P	P					
21		Ku. P. K Kadu.	.	P	.	P					
22		Ku. S. A Fulmore	P	P	P	.					
23		Ku. R. S Ukesh.	P	P	P	P					
24		Ku. M. A Bhoge	.	P	P	.					
25		Mr. S. S Khorgade	P	P	.	P					
26		Ku. B. S. Badwaye	.	P	P	.					
27		Mr. S. P. Tushkhade	P	P	.	P					
28		Ku. S. M. Kade	P	P	P	P					
29		Ku. D. A Bansod.	P	P	P	.					
30		Ku. V. V. Solanki	.	.	.	P					
31		Ku. G. S. Bhatkuliar	P	P	P	.					
32		Mr. K. C Waghamare	P	P	.	P					
33		Ku. S. C. Bawner	.	P	P	.					
34		Ku. M. A Deshmukh	P	.	P	P					
35		Mr. A. S. Sawarkar	P	P	.	.					
36		Mr. R. D. Bhoyar	P	P	P	P					
37		Mr. K. R. Jadhao.	P	P	.	.					
38		Mr. H. A. Qureshi	P	P	P	P					
39											
40											
a	Sign of Teacher (1)										
b	Sign of Teacher (2)										
c	Date		7	14	21	28					
d	Total No. of Student Present		28	29	25	22					

10	11	12	13	14	15	1

P Total No. of Present of the student during the month.
A Total No. of Absent of the student during the month.

Curriculum and Time Table

SYLLABUS

GUIDELINES TO PREPARE THE SYLLABUS FOR CERTIFICATE COURSE IN ECO-TOURISM & WILD LIFE PHOTOGRAPHY UNDER THE CAREER ORIENTED PROGRAMME

UNIT I ENVIRONMENT & ECOLOGY.

1.1 Environment : Defination, Classification

1.2 Natural Resources : Defination, Classification, Types (Renewable & Non renewable)

1.3 Ecology : Defination, principles, scope of ecology, Ecological factors.

1.4 Community ecology : Defination, species diversity, ecological niche, ecotons.

1.5 Population ecology : Defination, Characteristics, Inter specific relationship, Naturalism, commensalisms, parasitism, predation, competition.

UNIT II ECOSYSTEM

2.1 Ecosystem, definition, components, structures.

2.2 Food Chains

2.3 Ecological pyramids

2.4 Energy flow models

2.5 Ecological indicators

UNIT III ECOTOURISM

3.1 Ecotourism : Defination & Scope of ecotourism.

3.2 Potential of ecotourism in Vidarbha region.

3.3 Tiger Reserve : Melghat, Pench, Tadoba.

3.4 Sanctuaries & National parks – Navegaon, Nagzira, Katepurna, Bor, Tipeshwar.

3.5 Forts, Caves & Temples : Narnala, Gawilgarh, Salbardi, Muktagiri, Markanda.

UNIT IV GUIDE TRAINING :

4.1 Communication skills

4.2 Tourist rules do's & don'ts

4.3 Knowledge about interesting facts & interpretation centre.

4.4 Knowledge about mammals, Birds, Insects & Trees, animal tracks signs,

4.5 Importance of Guide in Ecotourism.

UNIT V PHOTOGRAPHY

5.1 History and Evolution of Camera.

5.2 Parts of camera, types of camera.

5.3 Types of lenses.

5.4 Use of filter, study of aperture and speed.

5.5 Use of computer in photography.

PRACTICALS

1. Local field visits.
2. Visit to nature reserve, forts, other sites of cultural heritage.
3. Development of a trek route and conducting a trekking activity.
4. Listing of local flora, fauna and describing them.
5. Photography

Time Table

Day (Sunday)	1	2	3	4	5
Module(T) 10am-11 am	Module I Natural Resources	Module I Community ecology	Module I Inter specific relationship	Module I	Module I
Practical (11-1.00 pm)	Pr1	Pr2	Pr3	Pr4	Pr5
Day (Sunday)	6	7	8	9	10
Module(T) 10am-11 am	Module II Ecosystem	Module II Food Chain	Module II Ecological Pyramids	Module II Energy Flow	Module II Ecological Indicators
Practical (11-1.00 pm)	Pr6	Pr7	Pr8	Pr9	Pr10
Day (Sunday)	11	12	13	14	15
Module(T) 10am-11 am	Module III Scope of Ecotourism	Module III Potentials of Ecotourism	Module III Tiger Reserve	Module III Sanctuaries & National Park	Module III Forts, Caves & Temples
Practical (11-1.00 pm)	Pr11	Pr12	Pr13	Pr14	Pr15
Day (Sunday)	16	17	18	19	20
Module(T) 10am-11 am	Module IV Communication Skills	Module IV Tourist Rules	Module IV Interpretation centre	Module IV Species Diversity	Module IV Animal Tracks & signs
Practical (11-1.00 pm)	Pr16	Pr17	Pr18	Pr19	Pr20
Day (Sunday)	21	22	23	24	25
Module(T) 10am-11 am	Module V History of Photography	Module V Evolution of Camera	Module V Types of Camera	Module V Parts of Camera	Module V Function of Cameras
Practical (11-1.00 pm)	Pr21	Pr22	Pr23	Pr24	Pr25
Day (Sunday)	26	27	28	29	30
Module(T) 10am-11 am	Module VI Types of lenses	Module VI Types of Filters	Module VI Aperture, Speed & ISO	Module VI Accessories of Camera	Module VI Photo editing
Practical (11-1.00 pm)	Pr26	Pr27	Pr28	Pr29	Pr30

Admission schedule: 1 to 31 July

Theory & Practical schedule: Aug, Sept, Oct, Nov, Jan, Feb, March & April

Assessment

ASSESSMENT

SHRI SHIVAJI SCIENCE COLLEGE AMRAVATI
Annual Examination Result 2016-2017
Department of Zoology
Ecotourism and Wildlife Photography(COC)
Certificate Course

S.N.	Roll No.	Name	Theory 100	Practical 50	Project 50	Total marks 200	Result
1	101	Ku.SimranV.Pusatkar	42	36	35	113	Pass
2	102	Ku.MuskanR.Thakur	40	35	35	110	Pass
3	103	Ku.VaishnaviV.Pandit	45	35	35	110	Pass
4	104	Ku.ShakambhariS.Deshpande	37	35	35	107	Pass
5	105	Mr.AnkitS.Chimote	40	36	35	111	Pass
6	106	Mr.SahilN.Sarad	40	40	45	125	Pass
7	107	Ku.AnjaliS.Gawande	AA	AA	AA	AA	Fail
8	108	Ku.PayalD.Chopkar	50	36	40	126	Pass
9	109	Ku.VedantiS.Dhote	54	40	45	139	Pass
10	110	Ku.VaishnaviJ.Deshmukh	52	39	45	136	Pass
11	111	Mr.AbhijitS.Sawarkar	35	35	40	110	Pass
12	112	Mr.AnandK.Kshatriya	37	37	40	114	Pass
13	113	Ku.PritiD.Borule	52	39	40	131	Pass
14	114	Ku.Ruchi R. Tagade	40	38	40	118	Pass
15	115	Ku.RishikaS.Pawar	38	40	46	124	Pass
16	116	Ku.AshwiniA.Deshmukh	37	35	46	118	Pass
17	117	Mr.PranayS.Purushe	38	35	40	113	Pass
18	118	Mr.KuldipR.Watile	AA	AA	AA	AA	Fail
19	119	Mr.PrajwalA.Ghughane	AA	AA	AA	AA	Fail
20	120	Mr.PrasadA.Gahukar	36	35	40	111	Pass
21	121	Ku.PayalK.Kadu	47	35	40	117	Pass
22	122	Ku.ShreyaA.Telmore	35	42	46	123	Pass
23	123	Ku.RakshikaS.Ukesh	42	35	46	123	Pass
24	124	Ku.MeghaA.Bhoge	AA	AA	AA	AA	Fail
25	125	Mr.ShripadS.Khorgade	40	35	40	113	Pass
26	126	Ku.BhagyashreeS.Badhiye	50	40	40	130	Pass
27	127	Mr.ShrikantP.Turkhade	35	35	35	105	Pass
28	128	Ku.SanjivaniM.Zade	AA	AA	AA	AA	Fail
29	129	Ku.DikshantiA.Bansod	AA	AA	AA	AA	Fail
30	130	Ku.VishakaV.Solanki	AA	AA	AA	AA	Fail
31	131	Ku.GayatriS.Bhatkulkar	36	35	40	111	Pass
32	132	Mr.KaranC.Waghmare	AA	AA	AA	AA	Fail
33	133	Ku.Shivanee E. Bawaner	43	39	40	122	Pass
34	134	Ku.MrunalA.Deshmukh	37	37	40	114	Pass
35	135	Mr.ArpitS.Sawarkar	38	40	45	123	Pass
36	136	Mr.RushikeshD.Bhoyar	43	35	35	113	Pass
37	137	Mr.KaranR.Jadhav	AA	AA	AA	AA	Pass
38	138	Mr.HayatA.Qureshi	40	35	45	120	Pass



Shri Shivaji Education Society, Amravati's

Shri Shivaji Science College, Amravati

(NAAC reaccredited with 'A' Grade with CGPA 3.10)

Eco-Tourism and Wild Life Photography

Career Oriented Course

Approved by Sant Gadge Baba Amravati University, Amravati

CERTIFICATE

This is to certify that Shri/Smt.Ku. .....

the within signed has successfully completed the prescribed course of studies and passed the CERTIFICATE COURSE in

Eco-Tourism and Wild Life Photography

approved by Sant Gadge Baba Amravati University, Amravati

in ..... Division / Grade in the academic year .....

Date : ..... Course Coordinator Principal

Summary Report and Outcome

Shri Shivaji Science College Amravati
Department of Zoology
Eco-tourism & Wildlife Photography

Career Oriented Certificate program- 2016-17

Summary Report

The main objective of this course was to increase awareness about eco-tourism, adventure, Wildlife conservation, Biodiversity documentation and also to develop photography skill and create scientific temperaments among students. As per the course contents various technical sessions & field-based activities were conducted for the students. In all 38 students were enrolled for this course. Students were participated actively in Bird watching program, Clay Ganesh Idol awareness program, Photo exhibition and Photography competitions.

Under this Eco-tourism & Wildlife Photography course Two days residential "Nature Camp cum Workshop" was organized at Shahan Interpretation Centre, Narnala Wildlife Sanctuary, Akot Division of Melghat Tiger Reserve on 25-26 February 2017. Total 38 students were actively participated in this Nature Camp. During Nature Camp students were participated in Nature trail, Bird watching, Narnala Fort visit, Adventure activities, technical sessions and demonstration on field photography, GIS and Compass demonstration.

Experts who guided & demonstrate the students:
Dr.G.A.Wagh, Dr.JayantWadatkar, Dr.ShrikantVarekar, Mr.Susil Raut, Mr.Gourav Kadu, Mr.JagdeoIwane, Mr.ManishDhakulkar, Mr.Hayat Qureshi.
Field Supporters:Shri Abhijit Solanke and Shri RajubhauPachel

Course Outcomes:
1) Increased knowledge about Wildlife and their Ecology.
2) Increased awareness about eco-tourism & wildlife conservationamong COC students.
3) Acquired the Knowledge of adventure activities and rescue operation.
4) Adapted skill of wildlife photography
5) Developed skill for scientific documentation.

Date:1-3-2017

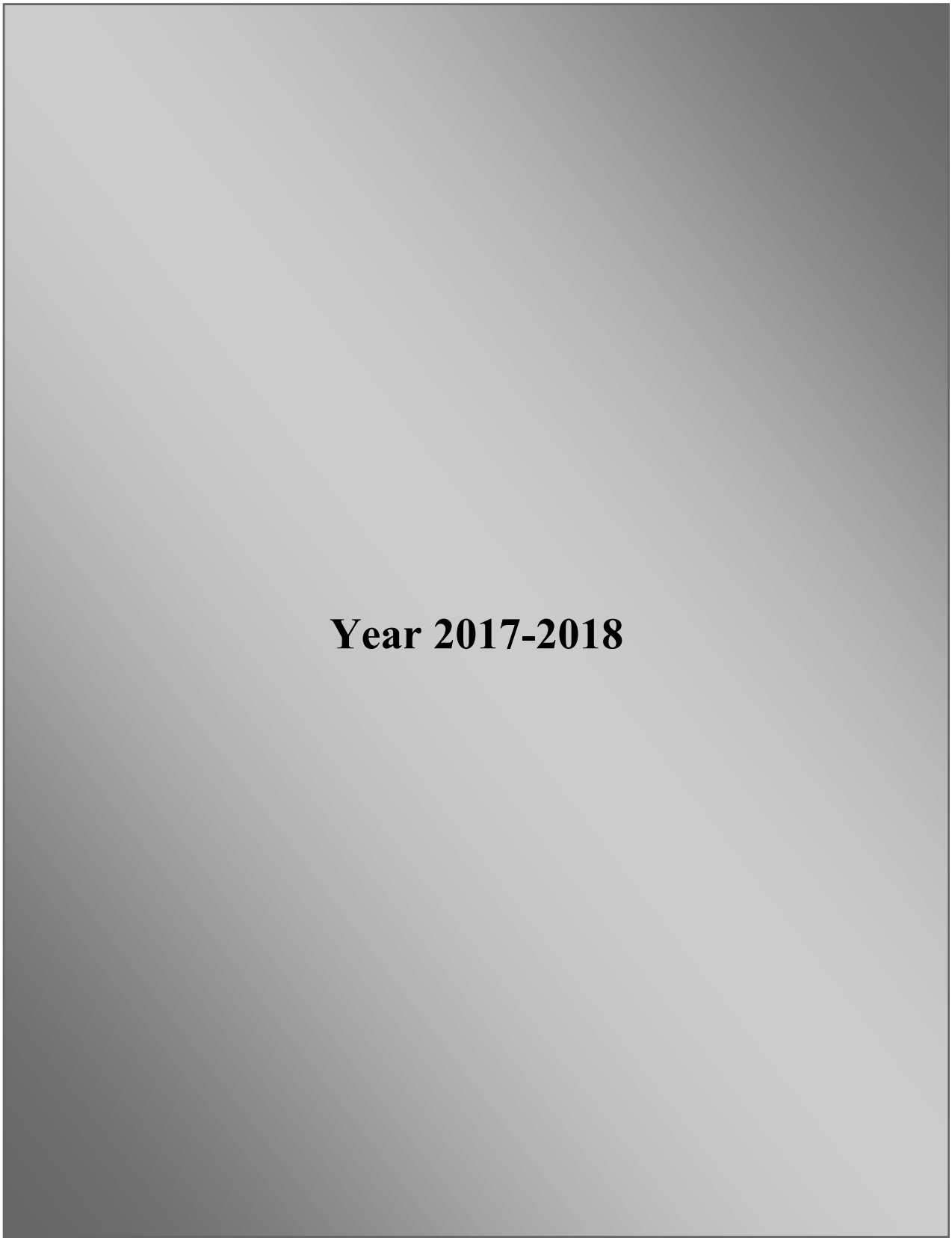
Dr.G.A.Wagh
COC-EWP In-charge

Dr. H. S. LUNGE
IQAC Coordinator
Shri Shivaji Science College
Amravati.

NAAC ACCREDITED WITH "A" GRADE

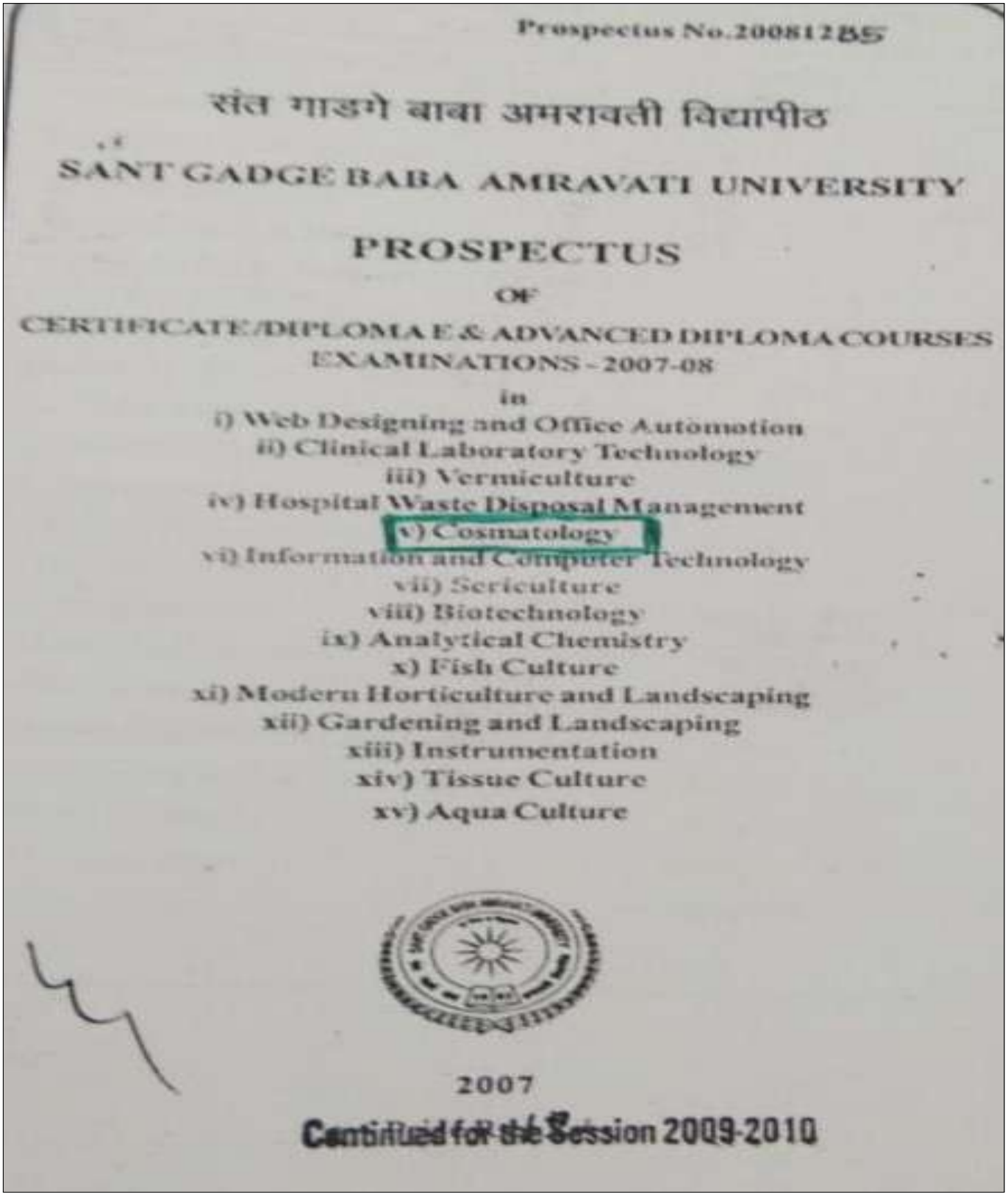
Principal
Shri Shivaji Science College
AMRAVATI.

Year 2017-2018



Dept. of Chemistry (COC-Cosmetology/ Certificate)

Name and Duration of the Program



Prospectus No.20081285

संत गाडगे बाबा अमरावती विद्यापीठ

SANT GADGE BABA AMRAVATI UNIVERSITY

PROSPECTUS

OF

CERTIFICATE/DIPLOMA E & ADVANCED DIPLOMA COURSES
EXAMINATIONS - 2007-08

in

i) Web Designing and Office Automotion
ii) Clinical Laboratory Technology
iii) Vermiculture
iv) Hospital Waste Disposal Management
v) Cosmatology
vi) Information and Computer Technology
vii) Sericulture
viii) Biotechnology
ix) Analytical Chemistry
x) Fish Culture
xi) Modern Horticulture and Landscaping
xii) Gardening and Landscaping
xiii) Instrumentation
xiv) Tissue Culture
xv) Aqua Culture

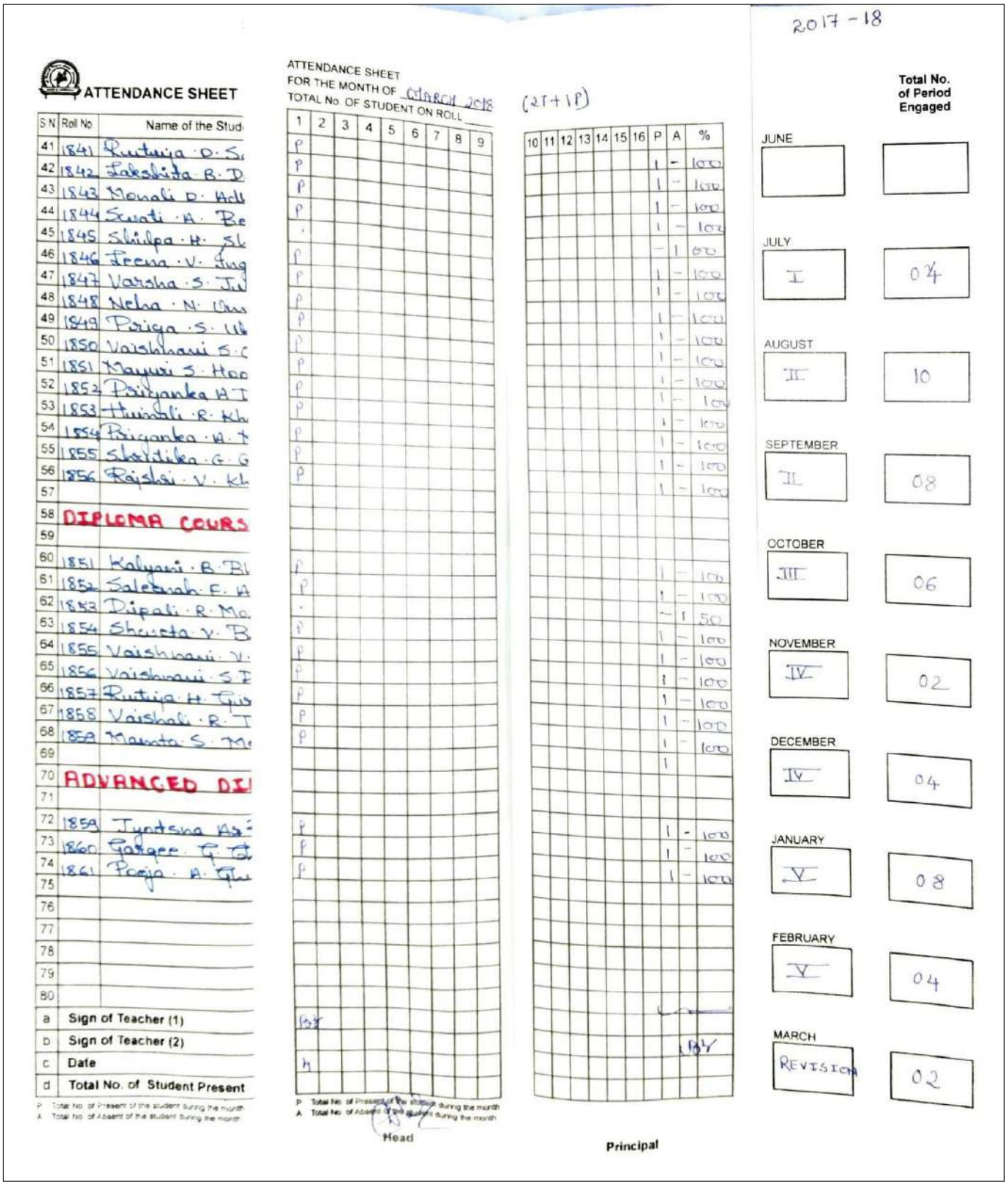
2007

Continued for the Session 2009-2010

List of the Students Enrolled and Attendance

Sr.NO	Name of the Students
1	Kalyani Arvind Jagtap
2	SamikshaSangitMankar
3	HarshadaNandkishorGawali
4	GayatriOmprakashLakode
5	AnkitaChatursingBarwai
6	Tuba Banu Salim Saradagadwala
7	ShivaniRatan Thakur
8	Vaishnavi Ganesh Khuje
9	Pratiksha Rajesh Thakare
10	KartikiAnantraoIngole
11	RiddhiGajananZod
12	ShrutiRajendraWankhade
13	PratikshaHaridasraoMakode
14	MrunalDilipraoRamteke
15	PrachiSanjayraoPandhe
16	Sumaiya Abdul Rashid
17	NilimaPundlikRaut
18	Trupti Sanjay Zoodpe
19	JagruitiSadgunraoThosar
20	BhavanaPradipJawarkar
21	Vaishnavi Manohar Bharsakde
22	RenukaMadhukarshelke
23	PratikshaYogeshewarGanjare
24	Vaishnavi Pravin Nirmal
25	KalyaniNamdeoRaut
26	ArpitaAmbadasShelke
27	SushmaNageshSinghai
28	Sayali Suresh Ghore
29	PratibhaSurendraBhowate
30	Samruddhi Ajay Deshmukh
31	Radhika BharshraoPunse
32	RakhiPrabhakarraoGawande
33	Manisha DevidasDhumankhede
34	ArtiPrabhakarDeshmukh
35	VaishnaviAshokraoMetange
36	AaratiAashokraoUmak
37	VinayaVijayraoLewarkar
38	SaritaBhauraoIngole
39	ShilpaRajendraKhakare
40	KomalSheshraoPalaspagar
41	RutujaDilipraoSadar
42	LakshitaBhagwanDohale
43	MonaliDilipAdhwal
44	Swati AshokraoBelsare
45	ShilpaHarishchandraShende
46	Leena VasantraoIngole
47	VarshaSubhashraoJunghare

48	Neha Nitin Umre
49	Priya Suresh Uke
50	Vaishnavi Sunil Chaudhari
51	Mayuri Sunil Hood
52	Priyanka ArunraoDeoghare
53	HimaliRajkumalKhandare
54	Priyanka AshokraoMankar
55	ShrutikaGajananraoGatfane
56	RajeshriVikasraoKhade



ATTENDANCE SHEET

S.N	Roll No	Name of the Stud
41	1841	Rutuja D. S.
42	1842	Lakshita B. D
43	1843	Monali D. Hdl
44	1844	Swati A. Be
45	1845	Shilpa H. Sk
46	1846	Reena V. Jug
47	1847	Varsha S. Jw
48	1848	Neha N. Uw
49	1849	Priya S. Ub
50	1850	Vaishnavi S. C
51	1851	Mayuri S. Hoo
52	1852	Priyanka H. I
53	1853	Hwinkli R. Kh
54	1854	Priyanka H. T
55	1855	Shrutika G. G
56	1856	Rajshri V. Kh
57		
58		DIPLOMA COURS
59		
60	1851	Kalyani B. Bl
61	1852	Salebnah F. H
62	1853	Dipali R. Mo.
63	1854	Shweta V. B.
64	1855	Vaishnavi V.
65	1856	Vaishnavi S. I
66	1857	Rutuja H. Gu
67	1858	Vaishali R. T
68	1859	Mamta S. M
69		
70		ADVANCED DI
71		
72	1859	Jyotsna As
73	1860	Gargee G. T
74	1861	Pooja A. Gh
75		
76		
77		
78		
79		
80		
a	Sign of Teacher (1)	
b	Sign of Teacher (2)	
c	Date	
d	Total No. of Student Present	

P Total No. of Present of the student during the month
A Total No. of Absent of the student during the month

ATTENDANCE SHEET
FOR THE MONTH OF MARCH 2018
TOTAL No. OF STUDENT ON ROLL (21+18)

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	P	A	%
P																1	-	100
P																1	-	100
P																1	-	100
P																1	-	100
.																-	1	00
P																1	-	100
P																1	-	100
P																1	-	100
P																1	-	100
P																1	-	100
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P																1	-	100
P																1	-	100
.																-	1	50
P																1	-	100
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P																1	-	100
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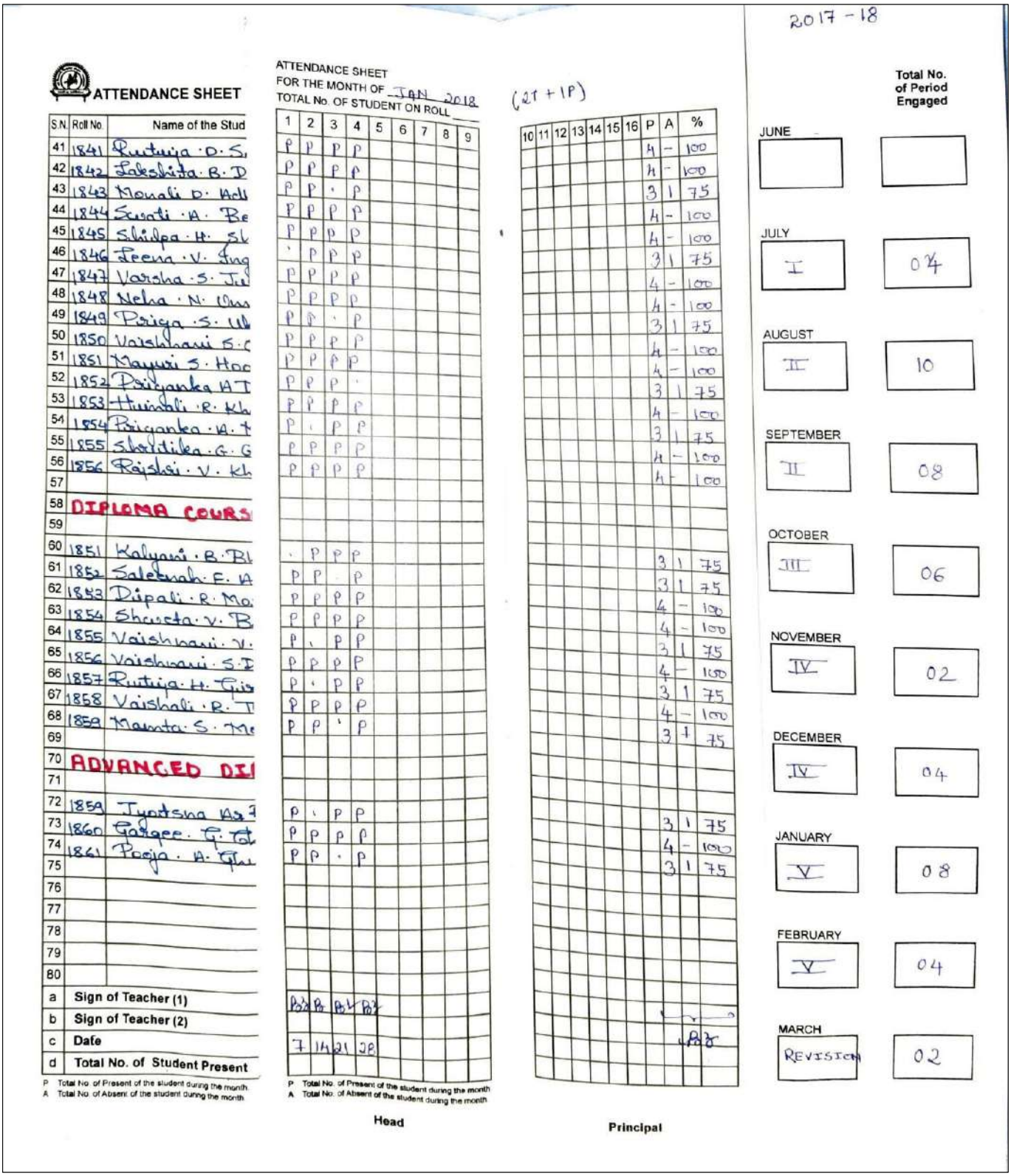
P Total No. of Present of the student during the month
A Total No. of Absent of the student during the month

Head

Principal

2017 - 18

	Total No. of Period Engaged
JUNE	
JULY I	04
AUGUST II	10
SEPTEMBER II	08
OCTOBER III	06
NOVEMBER IV	02
DECEMBER IV	04
JANUARY V	08
FEBRUARY V	04
MARCH REVISION	02



ATTENDANCE SHEET

S.N.	Roll No.	Name of the Stud
41	1841	Rutuja · D. S.
42	1842	Lakshita · B. D
43	1843	Monali D. Adl
44	1844	Swati · A. Be
45	1845	Shilpa · H. Sk
46	1846	Leena · V. Jng
47	1847	Varsha · S. Jad
48	1848	Neha · N. Chs
49	1849	Pooja · S. Ub
50	1850	Vaishnavi S. C
51	1851	Mayuri S. Hoc
52	1852	Priyanka H. T
53	1853	Hrishali · R. Kh
54	1854	Priyanka · H. T
55	1855	Shraddha · G. G
56	1856	Rajshri · V. Kh
57		
58		DIPLOMA COURS
59		
60	1851	Kalyani · B. Bh
61	1852	Salebnah · E. H
62	1853	Dipali · R. Mo
63	1854	Shweta · V. B
64	1855	Vaishnavi · V.
65	1856	Vaishnavi · S. D
66	1857	Rutuja · H. Gis
67	1858	Vaishali · R. T
68	1859	Mamta · S. Me
69		
70		ADVANCED DI
71		
72	1859	Jyotsna Ad
73	1860	Gargee · G. Tal
74	1861	Pooja · A. Ghu
75		
76		
77		
78		
79		
80		
a		Sign of Teacher (1)
b		Sign of Teacher (2)
c		Date
d		Total No. of Student Present

P Total No. of Present of the student during the month
A Total No. of Absent of the student during the month

ATTENDANCE SHEET
FOR THE MONTH OF JAN 2018
TOTAL No. OF STUDENT ON ROLL

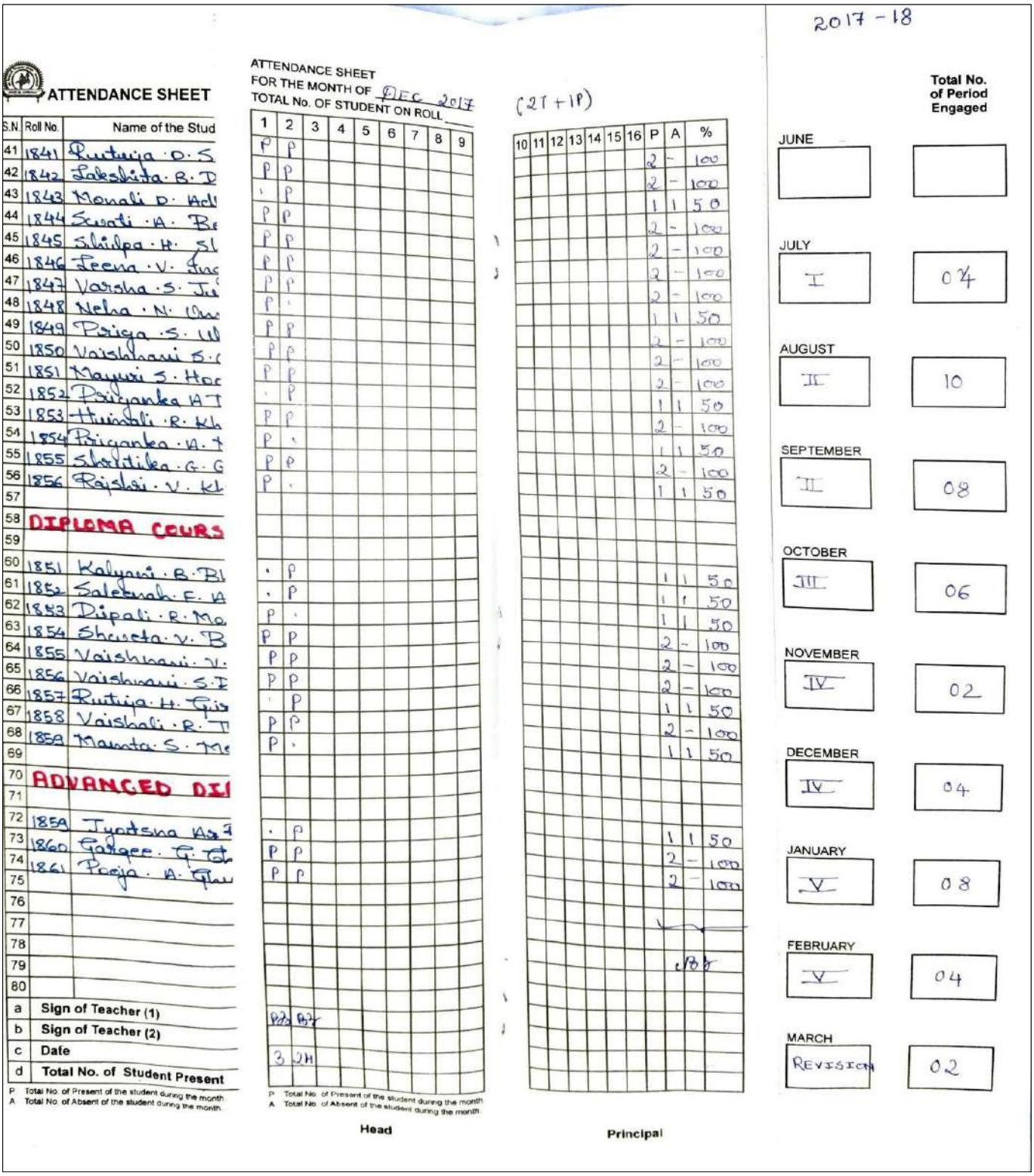
1	2	3	4	5	6	7	8	9
P	P	P	P					
P	P	P	P					
P	P	·	P					
P	P	P	P					
P	P	P	P					
·	P	P	P					
P	P	P	P					
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P	P	P	P					
P	P	·	P					
P	·	P	P					
P	P	P	P					
P	P	·	P					
P24	P8	P16	P23					
7	14	21	28					

P Total No. of Present of the student during the month
A Total No. of Absent of the student during the month

Head

(21 + 1P)

10	11	12	13	14	15	16	P	A	%
							4	-	100
							4	-	100
							3	1	75
							4	-	100
							4	-	100
							3	1	75
							4	-	100
							4	-	100
							3	1	75
							4	-	100
							4	-	100
							3	1	75
							4	-	100
							4	-	100
							3	1	75
							3	1	75
							4	-	100
							4	-	100
							3	1	75
							4	-	100
							3	1	75
							4	-	100
							3	1	75
							3	1	75
							4	-	100
							3	1	75



ATTENDANCE SHEET

S.N.	Roll No.	Name of the Stud
41	1841	Rutuja · D. S
42	1842	Lakshita · B. D
43	1843	Monali D. Adl
44	1844	Swati · A. Be
45	1845	Shilpa · H. Sl
46	1846	Seena · V. Jna
47	1847	Varsha · S. Jii
48	1848	Neha · N. Ow
49	1849	Pooja · S. W
50	1850	Vaishnavi S. (
51	1851	Mayuri S. Hac
52	1852	Priyanka H T
53	1853	Hiremali · R. Kh
54	1854	Priyanka · A. T
55	1855	Shrutika · G. G
56	1856	Rajshri · V. Kl
57		
58		DIPLOMA COURS
59		
60	1851	Kalyani · B. Bl
61	1852	Saleemah · F. A
62	1853	Dipali · R. Mo
63	1854	Shweta · V. B
64	1855	Vaishnavi · V.
65	1856	Vaishnavi · S. I
66	1857	Rutuja · H. Gu
67	1858	Vaishali · R. T
68	1859	Mamta · S. Mo
69		
70		ADVANCED DI
71		
72	1859	Jyotsna Ad
73	1860	Gargee · G. Th
74	1861	Pooja · A. Gh
75		
76		
77		
78		
79		
80		
a		Sign of Teacher (1)
b		Sign of Teacher (2)
c		Date
d		Total No. of Student Present

P Total No. of Present of the student during the month
A Total No. of Absent of the student during the month

ATTENDANCE SHEET
FOR THE MONTH OF DEC. 2017
TOTAL No. OF STUDENT ON ROLL

1	2	3	4	5	6	7	8	9
P	P							
P	P							
·	P							
P	P							
P	P							
P	P							
P	P							
P	·							
P	P							
P	P							
P	P							
·	P							
P	P							
P	·							
P	P							
P	·							
·	P							
·	P							
P	·							
P	P							
P	P							
P	P							
·	P							
P	P							
P	·							
·	P							
P	P							
P	P							
P/2	P/2							
3	2H							

P Total No. of Present of the student during the month
A Total No. of Absent of the student during the month

Head

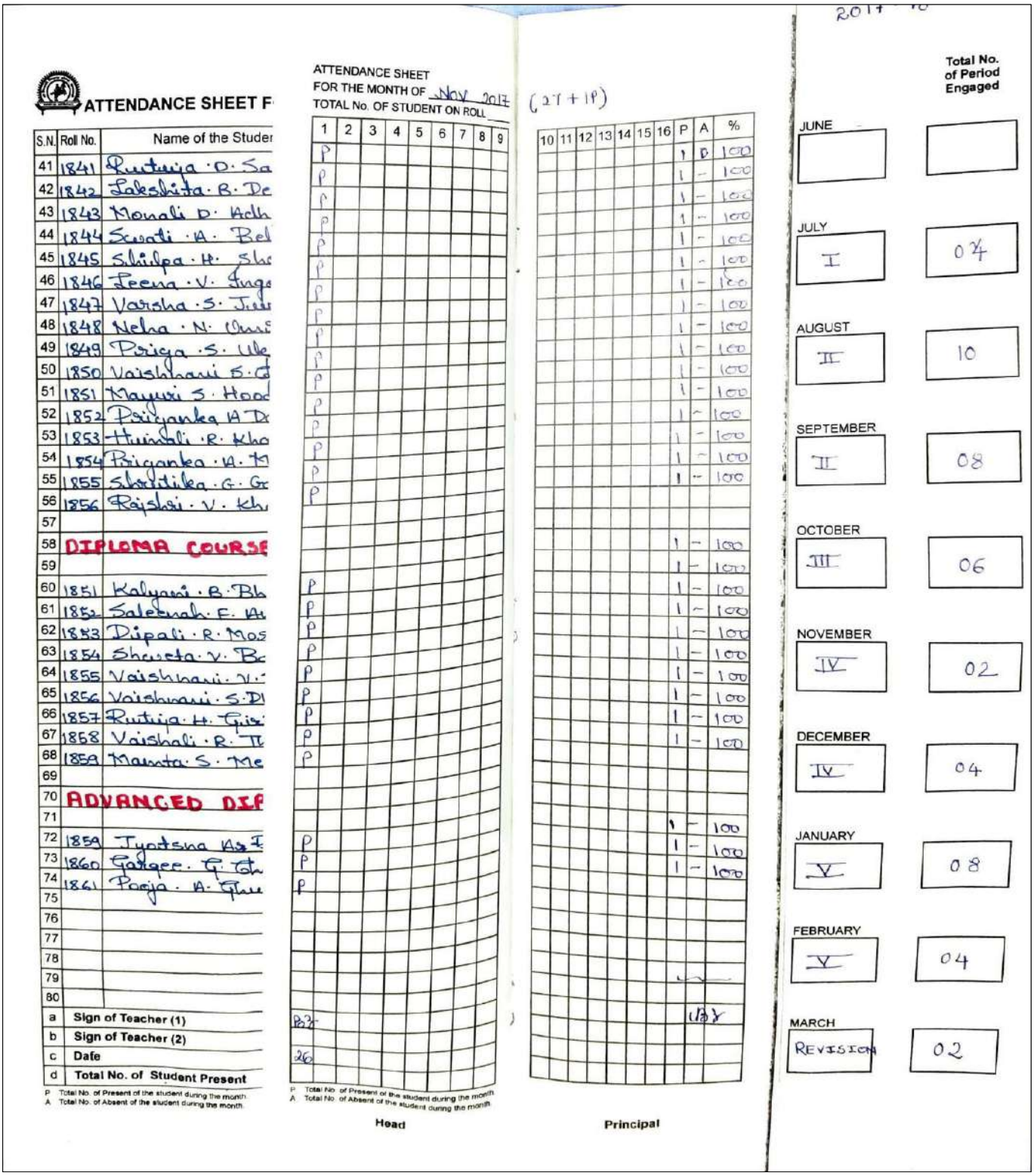
(2T + 1P)

10	11	12	13	14	15	16	P	A	%
							2	-	100
							2	-	100
							1	1	50
							2	-	100
							2	-	100
							2	-	100
							2	-	100
							1	1	50
							2	-	100
							2	-	100
							2	-	100
							1	1	50
							2	-	100
							1	1	50
							2	-	100
							1	1	50
							1	1	50
							1	1	50
							1	1	50
							2	-	100
							2	-	100
							2	-	100
							1	1	50
							2	-	100
							1	1	50
							1	1	50
							2	-	100
							2	-	100

Principal

2017 - 18

	Total No. of Period Engaged
JUNE	
JULY I	07
AUGUST II	10
SEPTEMBER II	08
OCTOBER III	06
NOVEMBER IV	02
DECEMBER IV	04
JANUARY V	08
FEBRUARY V	04
MARCH REVISION	02



ATTENDANCE SHEET F

S.N.	Roll No.	Name of the Studer
41	1841	Rutuja · D · Sa
42	1842	Lakshita · B · De
43	1843	Monali D · Adh
44	1844	Swati · A · Bel
45	1845	Shilpa · H · Sha
46	1846	Leena · V · Jago
47	1847	Varsha · S · Jad
48	1848	Neha · N · Omi
49	1849	Priya · S · Ukr
50	1850	Vaishnavi S · G
51	1851	Mayuri S · Hoo
52	1852	Priyanka A D
53	1853	Hunsali · R · Kha
54	1854	Priyanka · A · M
55	1855	Shrutika · G · Gr
56	1856	Rajshri · V · Kh
57		
58	DIPLOMA COURSE	
59		
60	1851	Kalyani · B · Bh
61	1852	Saleenah · E · Ah
62	1853	Dipali · R · Mos
63	1854	Shweta · V · Bo
64	1855	Vaishnavi · V ·
65	1856	Vaishnavi · S · D
66	1857	Rutuja · H · Gir
67	1858	Vaishali · R · T
68	1859	Mamta · S · Me
69		
70	ADVANCED DIP	
71		
72	1859	Jyotsna As F
73	1860	Gargee · G · Th
74	1861	Pooja · A · Ghu
75		
76		
77		
78		
79		
80		
a	Sign of Teacher (1)	
b	Sign of Teacher (2)	
c	Date	
d	Total No. of Student Present	

P Total No. of Present of the student during the month.
A Total No. of Absent of the student during the month.

ATTENDANCE SHEET
FOR THE MONTH OF Nov 2017
TOTAL No. OF STUDENT ON ROLL

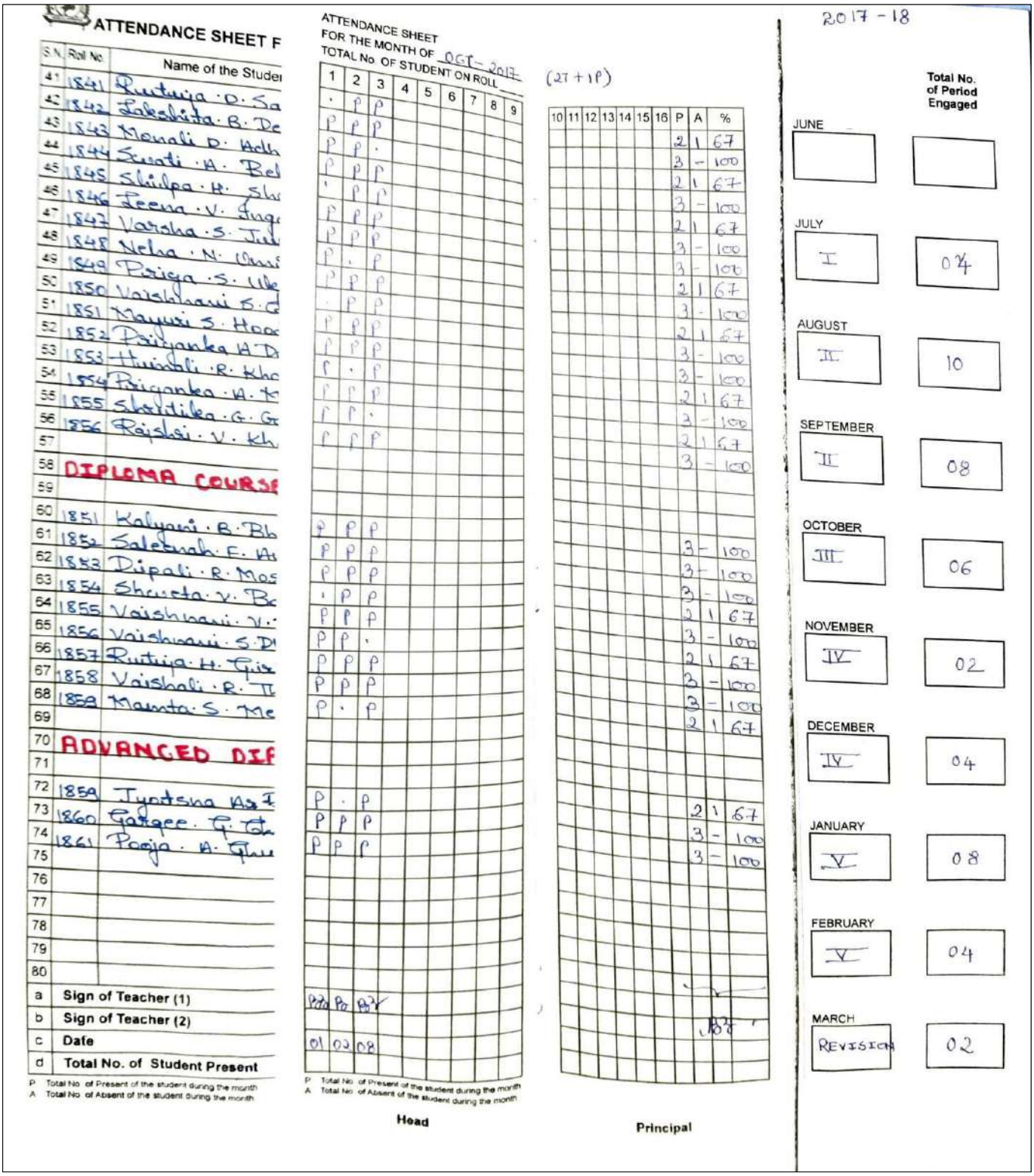
1	2	3	4	5	6	7	8	9
P								
P								
P								
P								
P								
P								
P								
P								
P								
P								
P								
P								
P								
P								
P								
P								
P								
P								
P								
P								
P								
P								
P								
P								
P								
23								
26								

P Total No. of Present of the student during the month.
A Total No. of Absent of the student during the month.

Head

(27 + 19)

10	11	12	13	14	15	16	P	A	%
							1	0	100
							1	–	100
							1	–	100
							1	–	100
							1	–	100
							1	–	100
							1	–	100
							1	–	100
							1	–	100
							1	–	100
							1	–	100
							1	–	100
							1	–	100
							1	–	100
							1	–	100
							1	–	100
							1	–	100
							1	–	100
							1	–	100
							1	–	100
							1	–	100
							1	–	100
							1	–	100
							1	–	100
							1	–	100
							1	–	100



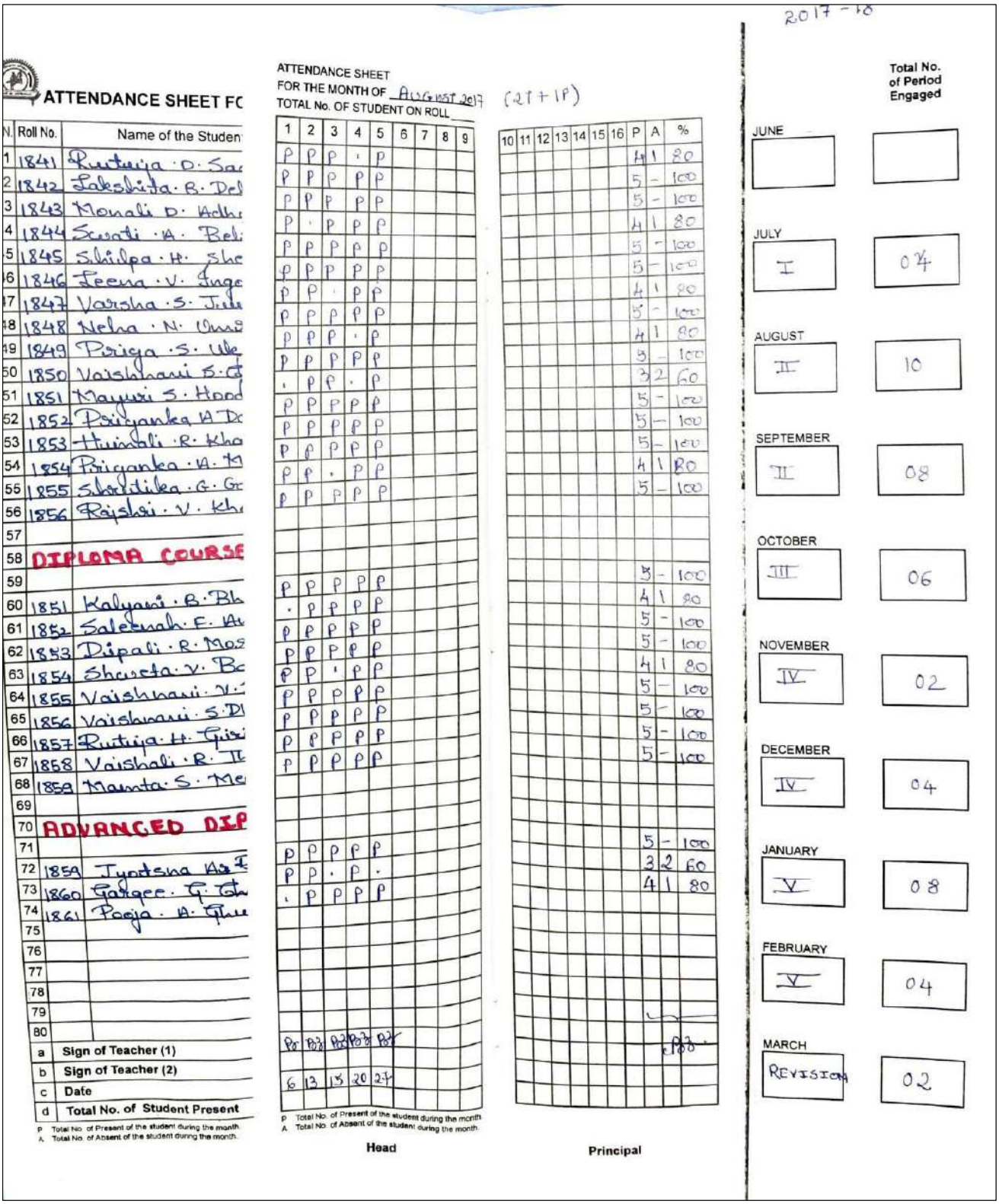
ATTENDANCE SHEET F

S.N.	Roll No.	Name of the Stude
41	1841	Rutuja · D. Sa
42	1842	Lakshita · B. De
43	1843	Monali D. Adh
44	1844	Swati · A. Bel
45	1845	Shilpa · H. Shi
46	1846	Leena · V. Jug
47	1847	Varsha · S. Jad
48	1848	Neha · N. Omi
49	1849	Pooja · S. Uke
50	1850	Vaishnavi S. G
51	1851	Mayuri S. Hoo
52	1852	Priyanka H. D
53	1853	Hrishali · R. Kho
54	1854	Priyanka · H. K
55	1855	Shraddha · G. Go
56	1856	Rajshri · V. Kh
57		
58		DIPLOMA COURSE
59		
60	1851	Kalyani · B. Bh
61	1852	Salehnah · F. Ha
62	1853	Dipali · R. Mos
63	1854	Shweta · V. Bo
64	1855	Vaishnavi · V.
65	1856	Vaishnavi · S. D
66	1857	Rutuja · H. Gir
67	1858	Vaishali · R. T
68	1859	Mamta · S. Me
69		
70		ADVANCED DIP
71		
72	1859	Jyotsna As I
73	1860	Gargee · G. Th
74	1861	Pooja · A. Thu
75		
76		
77		
78		
79		
80		
a	Sign of Teacher (1)	
b	Sign of Teacher (2)	
c	Date	
d	Total No. of Student Present	

P Total No of Present of the student during the month
A Total No of Absent of the student during the month

ATTENDANCE SHEET
FOR THE MONTH OF OCT - 2017
TOTAL No. OF STUDENT ON ROLL (27 + 1P)

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	P	A	%
·	P	P														2	1	67
P	P	P														3	-	100
P	P	·														2	1	67
P	P	P														3	-	100
·	P	P														2	1	67
P	P	P														3	-	100
P	P	P														3	-	100
P	·	P														2	1	67
P	P	P														3	-	100
·	P	P														2	1	67
P	P	P														3	-	100
P	·	P														3	-	100
P	P	P														2	1	67
P	P	·														3	-	100
P	P	P														2	1	67
																3	-	100
P	P	P																
P	P	P														3	-	100
P	P	P														3	-	100
·	P	P														3	-	100
P	P	P														2	1	67
P	P	·														3	-	100
P	P	P														2	1	67
P	P	P														3	-	100
P	·	P														3	-	100
																2	1	67
P	·	P																
P	P	P														2	1	67
P	P	P														3	-	100
																3	-	100
P	P	P																
P	P	P																
P	P	P																



ATTENDANCE SHEET FC

N.	Roll No.	Name of the Studen
1	1841	Rutuja · D· Sa
2	1842	Lakshita · B· De
3	1843	Monali D· Adh
4	1844	Swati · A· Bel
5	1845	Shilpa · H· She
6	1846	Seena · V· Inge
7	1847	Varsha · S· Jad
8	1848	Neha · N· Ons
9	1849	Pooja · S· Ub
50	1850	Vaishnavi S· C
51	1851	Mayuri S· Hood
52	1852	Priyanka A Dc
53	1853	Hrushali · R· Kho
54	1854	Priyanka · A· M
55	1855	Shraddha · G· Gr
56	1856	Rajshri · V· Kh
57		
58		DIPLOMA COURSE
59		
60	1851	Kalyani · B· Bh
61	1852	Saleemah · F· Ah
62	1853	Dipali · R· Mos
63	1854	Shweta · V· Bc
64	1855	Vaishnavi · V·
65	1856	Vaishnavi · S· D
66	1857	Rutuja · H· Giri
67	1858	Vaishali · R· H
68	1859	Mamta · S· Me
69		
70		ADVANCED DIP
71		
72	1859	Jyotsna Ab F
73	1860	Gargee · G· Toh
74	1861	Pooja · A· Thu
75		
76		
77		
78		
79		
80		
a	Sign of Teacher (1)	
b	Sign of Teacher (2)	
c	Date	
d	Total No. of Student Present	

P Total No. of Present of the student during the month
A Total No. of Absent of the student during the month.

ATTENDANCE SHEET
FOR THE MONTH OF AUGUST 2017 (27 + 1P)
TOTAL No. OF STUDENT ON ROLL

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	P	A	%
P	P	P	·	P												4	1	80
P	P	P	P	P												5	–	100
P	P	P	P	P												5	–	100
P	·	P	P	P												4	1	80
P	P	P	P	P												5	–	100
P	P	P	P	P												5	–	100
P	P	·	P	P												4	1	80
P	P	P	P	P												5	–	100
P	P	P	·	P												4	1	80
P	P	P	P	P												5	–	100
·	P	P	·	P												3	2	60
P	P	P	P	P												5	–	100
P	P	P	P	P												5	–	100
P	P	P	P	P												5	–	100
P	P	·	P	P												4	1	80
P	P	P	P	P												5	–	100
P	P	P	P	P												5	–	100
·	P	P	P	P												4	1	80
P	P	P	P	P												5	–	100
P	P	P	P	P												5	–	100
P	P	·	P	P												4	1	80
P	P	P	P	P												5	–	100
P	P	P	P	P												5	–	100
P	P	P	P	P												5	–	100
P	P	P	P	P												5	–	100
P	P	P	P	P												5	–	100
P	P	·	P	·												3	2	60
·	P	P	P	P												4	1	80
P	P	P	P	P														
6	13	15	20	27														

P Total No. of Present of the student during the month
A Total No. of Absent of the student during the month.

Head

Principal

2017 - 18

	Total No. of Period Engaged
JUNE	
JULY I	04
AUGUST II	10
SEPTEMBER II	08
OCTOBER III	06
NOVEMBER IV	02
DECEMBER IV	04
JANUARY V	08
FEBRUARY V	04
MARCH REVISION	02

ATTENDANCE SHEET FOR THE MONTH OF July 2017

(21 + 1P)

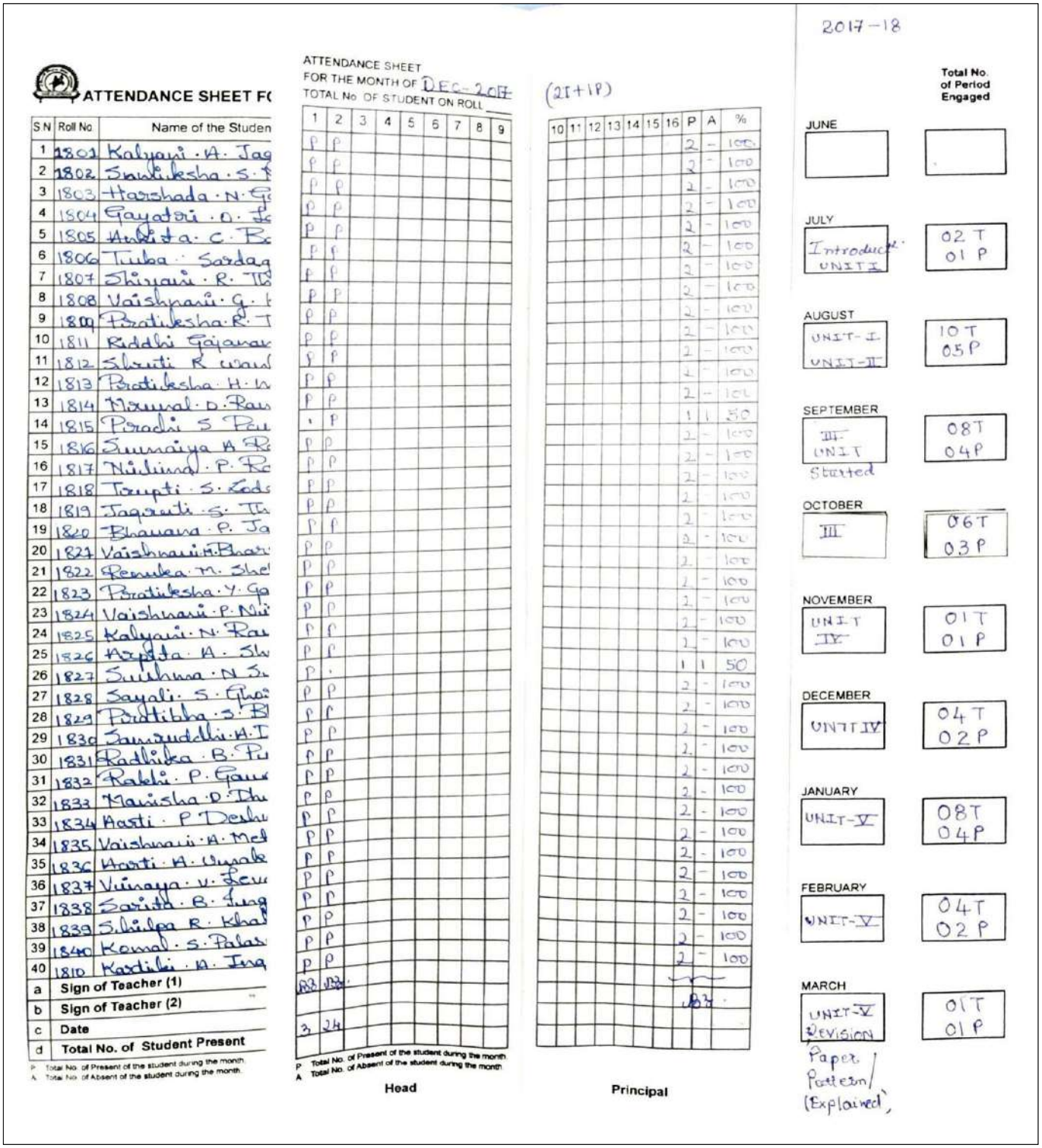
S.N	Roll No	Name of the Student	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	P	A	%
41	1841	Ruchija D. Sadar	P	P															2	-	100
42	1842	Lakshita B. Dekate	P	P															2	-	100
43	1843	Monali D. Adhwal	P	P															2	-	100
44	1844	Swati A. Belsare	·	P															1	1	50
45	1845	Shilpa H. Shende	P	P															2	-	100
46	1846	Leena V. Ingole	P	P															2	-	100
47	1847	Varsha S. Jilungkare	P	P															2	-	100
48	1848	Neha N. Umate	P	P															2	-	100
49	1849	Priya S. Uke	P	·															1	1	50
50	1850	Vaishnavi S. Gaundhak	P	P															2	-	100
51	1851	Mayuri S. Hood	P	P															2	-	100
52	1852	Priyanka A Deoghare	P	P															2	-	100
53	1853	Hiralali R. Khandare	P	P															2	-	100
54	1854	Priyanka N. Mankar	·	P															1	1	50
55	1855	Shraddha G. Gothare	P	P															2	-	100
56	1856	Rajshri V. Khode	P	P															2	-	100
57																			2	-	100
58		**DIPLOMA COURSE**																	2	-	100
59																			2	-	100
60	1851	Kalyani B. Bhatkar	P	P															2	-	100
61	1852	Saleenah F. Ansari	P	P															2	-	100
62	1853	Dipali R. Mosaskar	·	P															1	1	50
63	1854	Shweta V. Band	P	P															2	-	100
64	1855	Vaishnavi V. Sarraraj	P	P															2	-	100
65	1856	Vaishnavi S. Dhamande	P	·															1	1	50
66	1857	Rutuja H. Giri	P	P															2	-	100
67	1858	Vaishali R. Thakare	P	P															2	-	100
68	1859	Mamta S. Mendhe	·	P															1	1	50
69																			2	-	100
70		**ADVANCED DIPLOMA COURSE**																	2	-	100
71																			2	-	100
72	1859	Jyotsna A. Raut	P	P															1	1	50
73	1860	Gargee G. Chaudhari	P	·															2	-	100
74	1861	Pooja H. Gurge	P	P																	
75																					
76																					
77																					
78																					
79																					
80																					
a		Sign of Teacher (1)	BS	BS																	
b		Sign of Teacher (2)																			
c		Date	28	30																	
d		Total No. of Student Present																			

P Total No. of Present of the student during the month
A Total No. of Absent of the student during the month

Head

Principal

	Total No. of Period Engaged
JUNE	
JULY I	04
AUGUST II	10
SEPTEMBER II	08
OCTOBER III	06
NOVEMBER IV	02
DECEMBER IV	04
JANUARY V	08
FEBRUARY V	04
MARCH REVISION	02



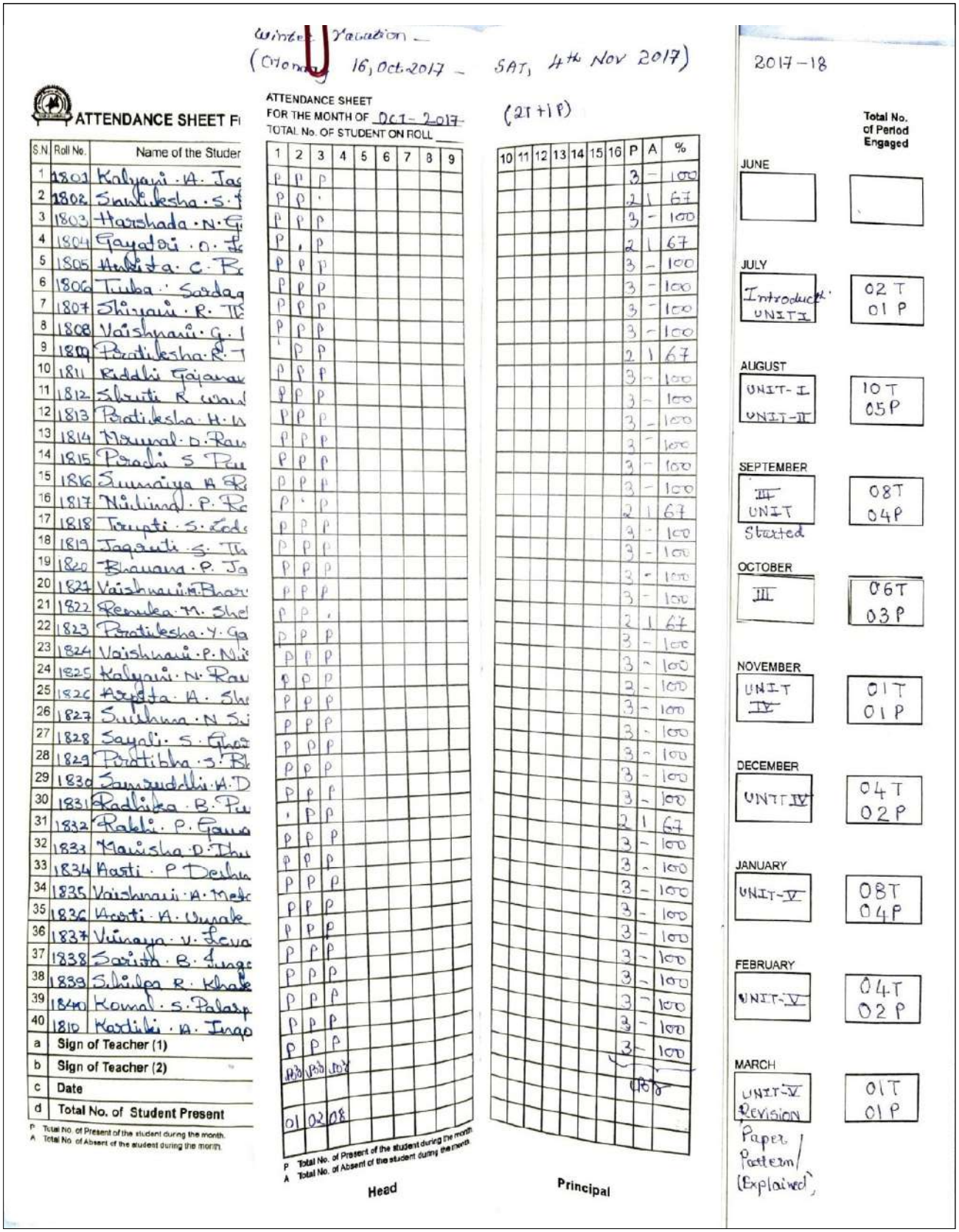
ATTENDANCE SHEET FC

S.N	Roll No	Name of the Studen
1	1801	Kalyani · A · Jag
2	1802	Smitikesha · S ·
3	1803	Harshada · N · G
4	1804	Gayatri · O ·
5	1805	Ankita · C · B
6	1806	Tuba · Sardag
7	1807	Shivani · R · Th
8	1808	Vaishnavi · G ·
9	1809	Pratiksha · R · T
10	1811	Riddhi Gajanan
11	1812	Shruti R Wan
12	1813	Pratiksha · H · W
13	1814	Mrunal · D · Rau
14	1815	Pradi S Pa
15	1816	Sumaiya A R
16	1817	Nilima · P · R
17	1818	Trupti · S · Kad
18	1819	Jagruti · S · Th
19	1820	Bhavana · P · Ja
20	1821	Vaishnavi H. Bha
21	1822	Renuka · M · She
22	1823	Pratiksha · Y · Ga
23	1824	Vaishnavi · P · Ni
24	1825	Kalyani · N · Ra
25	1826	Arpita · A · Sh
26	1827	Sushma · N · S
27	1828	Sayali · S · Gha
28	1829	Pratibha · S · B
29	1830	Samruddhi · H · I
30	1831	Radhika · B · Pa
31	1832	Rakhi · P · Gau
32	1833	Manisha · D · Th
33	1834	Aarti · P · Desh
34	1835	Vaishnavi · A · Mal
35	1836	Aarti · A · Uyak
36	1837	Vinaya · V · Jaw
37	1838	Sarita · B · Jag
38	1839	Shilpa R · Kha
39	1840	Komal · S · Pala
40	1810	Kartiki · A · Jag
a	Sign of Teacher (1)	
b	Sign of Teacher (2)	
c	Date	
d	Total No. of Student Present	

P Total No. of Present of the student during the month.
A Total No. of Absent of the student during the month.

ATTENDANCE SHEET
FOR THE MONTH OF DEC-2017
TOTAL No. OF STUDENT ON ROLL (21+1P)

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	P	A	%
P	P															2	-	100



Winter Vacation
(Monday 16, Oct. 2017 – SAT, 4th Nov 2017)

2017–18

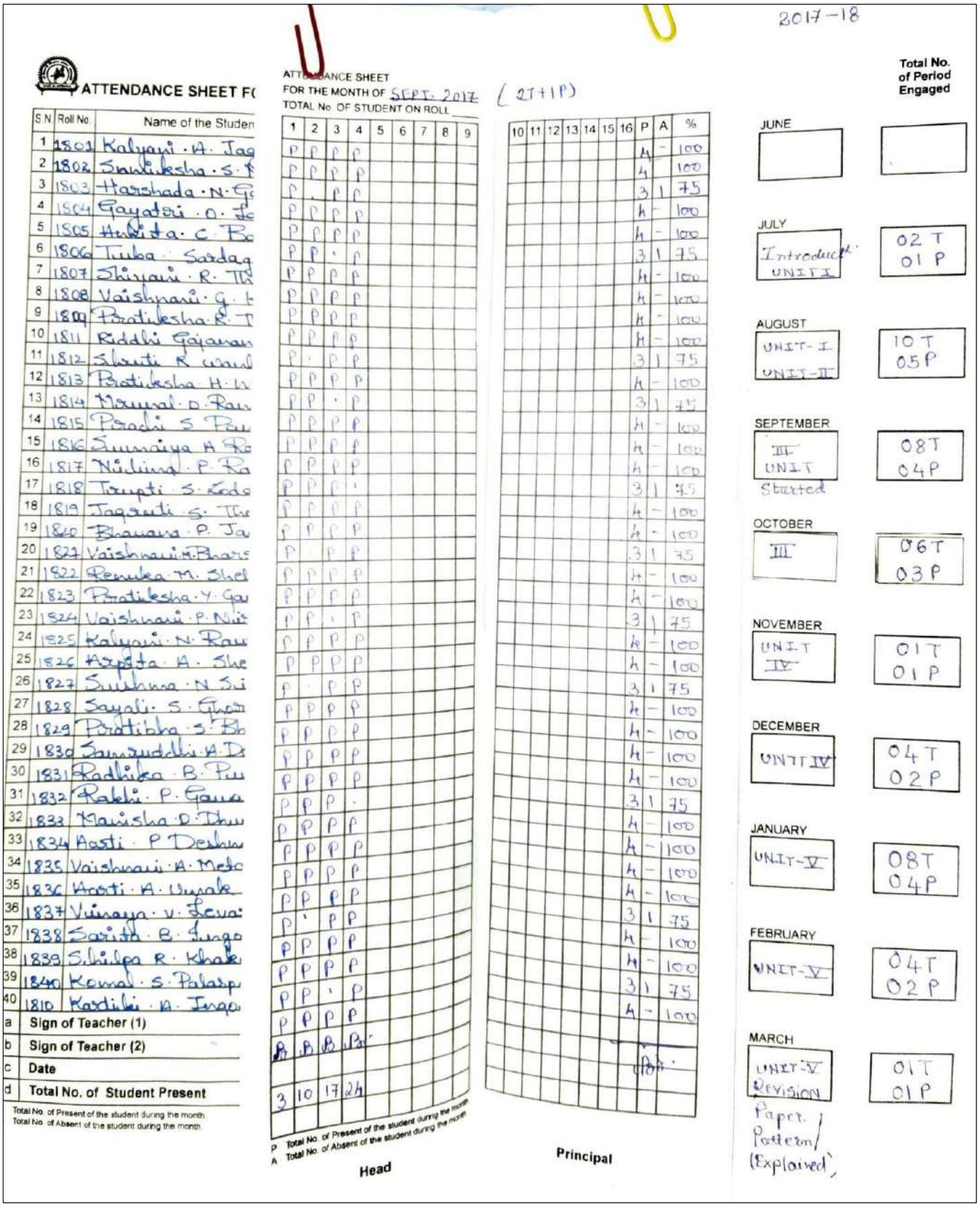
ATTENDANCE SHEET FI

S.N.	Roll No.	Name of the Studer
1	1801	Kalyani · A · Jag
2	1802	Sanjiksha · S · P
3	1803	Harshada · N · G
4	1804	Gayatri · O · P
5	1805	Ankita · C · B
6	1806	Tuba · Sardag
7	1807	Shivani · R · Th
8	1808	Vaishnavi · G · I
9	1809	Pratiksha · R · T
10	1811	Riddhi Gajanan
11	1812	Shruti R Wan
12	1813	Pratiksha · H · W
13	1814	Nirmal · D · Rau
14	1815	Pradip S Pu
15	1816	Sumaiya A R
16	1817	Nidhi · P · P
17	1818	Trupti · S · Lod
18	1819	Jagruti · S · Th
19	1820	Bhawana · P · Ja
20	1821	Vaishnavi M Bhar
21	1822	Renuka · N · Shel
22	1823	Pratiksha · Y · Ga
23	1824	Vaishnavi · P · Ni
24	1825	Kalyani · N · Rau
25	1826	Arpita · A · Sha
26	1827	Sushma · N · Si
27	1828	Sayali · S · Ghu
28	1829	Pratibha · J · Bh
29	1830	Sanjivanidhi · A · D
30	1831	Radhika · B · Pu
31	1832	Rakhi · P · Gaw
32	1833	Manisha · D · Thu
33	1834	Aarti · P Deshm
34	1835	Vaishnavi · A · Mete
35	1836	Aarti · A · Uyake
36	1837	Vinaya · V · Deva
37	1838	Sarita · B · Jung
38	1839	Shilpa R · Khak
39	1840	Komal · S · Palasp
40	1810	Kartiki · A · Ingo
a	Sign of Teacher (1)	
b	Sign of Teacher (2)	
c	Date	
d	Total No. of Student Present	

P Total No. of Present of the student during the month.
A Total No. of Absent of the student during the month.

ATTENDANCE SHEET
FOR THE MONTH OF Oct- 2017
TOTAL No. OF STUDENT ON ROLL

1	2	3	4	5	6	7	8	9
P	P	P						
P	P	·						
P	P	P						
P	·	P						
P	P	P						
P	P	P						
P	P	P						
P	P	P						
·	P	P						
P	P	P						
P	P	P						
P	P	P						
P	P	P						
P	P	P						
P	·	P						
P	P	P						
P	P	P						
P	P	P						
P	P	P						
P	P



2017-18

ATTENDANCE SHEET F(

S.N.	Roll No.	Name of the Studen
1	1801	Kalyani · A · Jag
2	1802	Sanjiksha · S ·
3	1803	Harshada · N · G
4	1804	Gayatri · O ·
5	1805	Ankita · C · Bo
6	1806	Tuba · Sardag
7	1807	Shivani · R · Th
8	1808	Vaishnavi · G ·
9	1809	Pratiksha · R · T
10	1811	Riddhi Gajanan
11	1812	Shanti R wand
12	1813	Pratiksha · H · W
13	1814	Mansal · D · Rau
14	1815	Prachi S Rau
15	1816	Sumaiya A Ra
16	1817	Nikunj · P · Ra
17	1818	Trupti · S · Sode
18	1819	Jagruti · S · Thr
19	1820	Bhavana · P · Ja
20	1821	Vaishnavi · M · Bhar
21	1822	Renuka · M · Shel
22	1823	Pratiksha · Y · Ga
23	1824	Vaishnavi · P · Nit
24	1825	Kalyani · N · Rau
25	1826	Arpita · A · She
26	1827	Sushma · N · Su
27	1828	Sayali · S · Ghor
28	1829	Pratibha · S · Bh
29	1830	Sanyuddhi · A · D
30	1831	Radhika · B · Pu
31	1832	Rakhi · P · Gaur
32	1833	Manisha · D · Dhu
33	1834	Aarti · P · Deshm
34	1835	Vaishnavi · A · Meh
35	1836	Aarti · A · Uyake
36	1837	Vinaya · V · Deva
37	1838	Sarita · B · Jung
38	1839	Shilpa R · Khak
39	1840	Komal · S · Palasp
40	1810	Kartiki · A · Inga
a	Sign of Teacher (1)	
b	Sign of Teacher (2)	
c	Date	
d	Total No. of Student Present	

Total No. of Present of the student during the month
Total No. of Absent of the student during the month

ATTENDANCE SHEET
FOR THE MONTH OF SEPT. 2017 (2T+1P)
TOTAL No. OF STUDENT ON ROLL

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	P	A	%
P	P	P	P													4	-	100
P	P	P	P													4		100
P	.	P	P													3	1	75
P	P	P	P													4	-	100
P	P	P	P													4	-	100
P	P	.	P													3	1	75
P	P	P	P													4	-	100
P	P	P	P													4	-	100
P	P	P	P													4	-	100
P	P	P	P													4	-	100
P	.	P	P													3	1	75
P	P	P	P													4	-	100
P	P	.	P													3	1	75
P	P	P	P													4	-	100
P	P	P	P													4	-	100
P	P	P	P													4	-	100
P	P	P	P													3	1	75
P	P	P	P													4	-	100
P	P	P	P													4	-	100
P	P	P	P													4	-	100
P	P	P	P													4	-	100
P	P	P	P													4	-	100
P	P	P	P													3	1	75
P	P	P	P													4	-	100
P	P	P	P													4	-	100
P	P	P	P													4	-	100
P	P	P	P													4	-	100
P	P	P	P													3	1	75
P	P	P	P													4	-	100
P	P	P	P													4	-	100
P	P	P	P													4	-	100
P	P	P	P													3	1	75
P	P	P	P													4	-	100
P	P	P	P													4	-	100
P	P	P	P													3	1	75
P	P	P	P													4	-	100
P	P	P	P															
3	10	17	24															

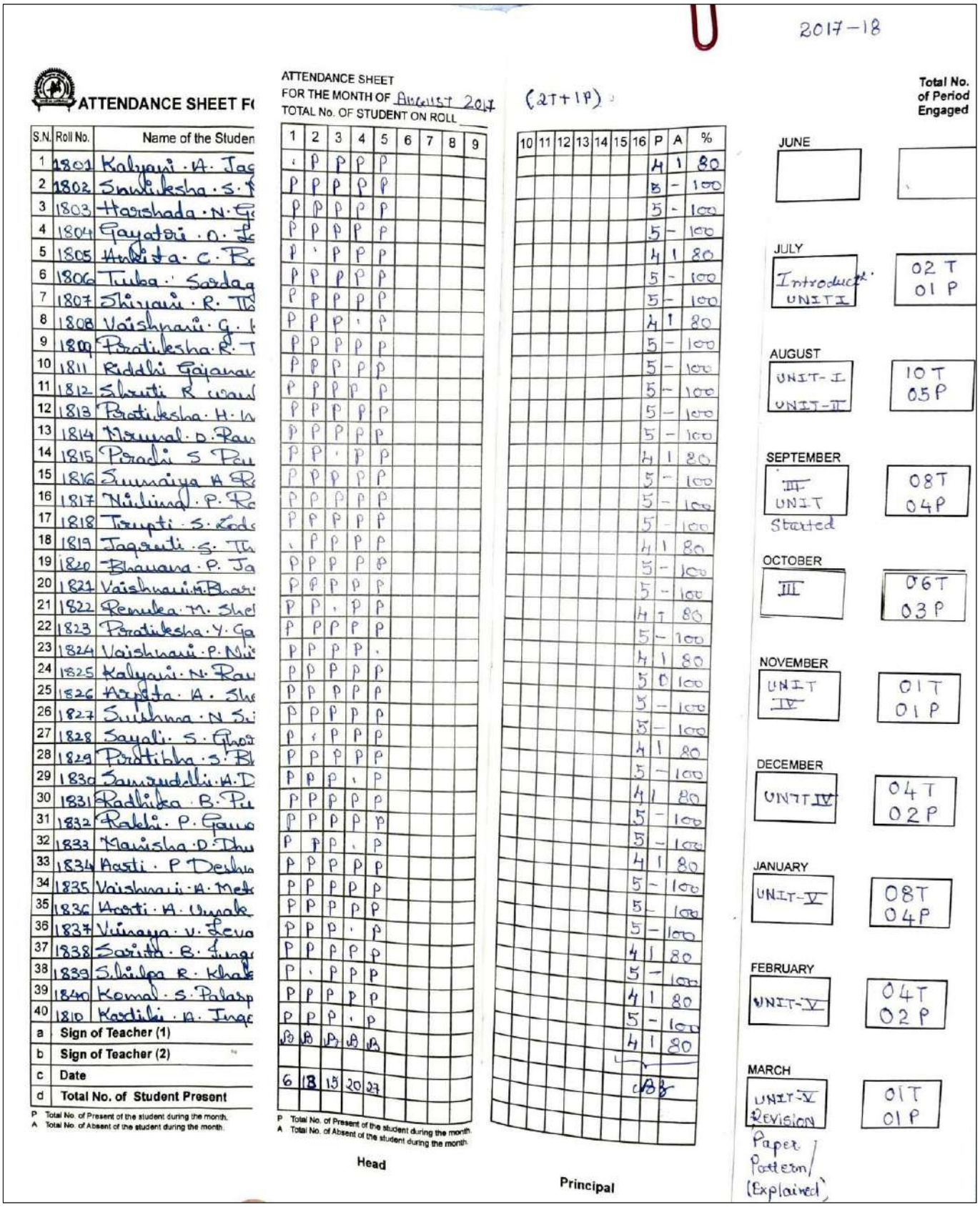
P Total No. of Present of the student during the month
A Total No. of Absent of the student during the month

Head

Principal

Total No. of Period Engaged

JUNE		
JULY	Introduction UNIT I	02 T 01 P
AUGUST	UNIT-I UNIT-II	10 T 05 P
SEPTEMBER	III UNIT Started	08 T 04 P
OCTOBER	III	06 T 03 P
NOVEMBER	UNIT IV	01 T 01 P
DECEMBER	UNIT IV	04 T 02 P
JANUARY	UNIT-V	08 T 04 P
FEBRUARY	UNIT-V	04 T 02 P
MARCH	UNIT-V REVISION Paper Pattern (Explained)	01 T 01 P



2017–18

ATTENDANCE SHEET FOR THE MONTH OF August 2017

TOTAL No. OF STUDENT ON ROLL

(2T+1P)

S.N.	Roll No.	Name of the Student
1	1801	Kalyani · A. Jag
2	1802	Snuliksha · S.
3	1803	Harshada · N. G
4	1804	Gayatri · O.
5	1805	Ankita · C. R
6	1806	Tuba · Sadaq
7	1807	Shivani · R. T
8	1808	Vaishnavi · G.
9	1809	Pratiksha · R.
10	1811	Riddhi Gajanan
11	1812	Shruti R wan
12	1813	Pratiksha · H. W
13	1814	Mrunal · D. Rau
14	1815	Pradhi S Pa
15	1816	Sumaiya A R
16	1817	Nidhi · P. R
17	1818	Trupti · S. Kod
18	1819	Jagruti · S. Th
19	1820	Bhavana · P. Ja
20	1821	Vaishnavi M. Bhar
21	1822	Renuka · M. Shel
22	1823	Pratiksha · Y. Ga
23	1824	Vaishnavi · P. Mi
24	1825	Kalyani · N. Rau
25	1826	Arpita · A. Sha
26	1827	Sushma · N. Si
27	1828	Sayali · S. Ghor
28	1829	Pratibha · S. B
29	1830	Samruddhi · A. D
30	1831	Radhika · B. Pa
31	1832	Rakhi · P. Gaw
32	1833	Manisha · D. Dhu
33	1834	Aarti · P Deshm
34	1835	Vaishnavi · A. Mes
35	1836	Aarti · A. Unak
36	1837	Vinaya · V. Deva
37	1838	Sarita · B. Jung
38	1839	Shilpa R. Khak
39	1840	Komal · S. Palasp
40	1810	Kavita · A. Ingo
a	Sign of Teacher (1)	
b	Sign of Teacher (2)	
c	Date	
d	Total No. of Student Present	

P Total No. of Present of the student during the month.
A Total No. of Absent of the student during the month.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	P	A	%
·	P	P	P	P												4	1	80
P	P	P	P	P												5	-	100
P	P	P	P	P												5	-	100
P	P	P	P	P												5	-	100
P	·	P	P	P												4	1	80
P	P	P	P	P												5	-	100
P	P	P	P	P												5	-	100
P	P	P	·	P												4	1	80
P	P	P	P	P												5	-	100
P	P	P	P	P												5	-	100
P	P	P	P	P												5	-	100
P	P	P	P	P												5	-	100
P	P	·	P	P												4	1	80
P	P	P	P	P												5	-	100
P	P	P	P	P												5	-	100
P	P	P	P	P												5	-	100
·	P	P	P	P												4	1	80
P	P	P	P	P												5	-	100
P	P	P	P	·												4	1	80
P	P	P	P	P												5	0	100
P	P	P	P	P												5	-	100
P	P	P	P	P												5	-	100
P	·	P	P	P												4	1	80
P	P	P	P	P												5	-	100
P	P	P	·	P												4	1	80
P	P	P	P	P												5	-	100
P	P	P	P	P												5	-	100
P	P	P	P	P												5	-	100
P	P	P	·	P												4	1	80
P	P	P	P	P												5	-	100
P	P	P	P	P												4	1	80
P	P	P	·	P												5	-	100
AB	AB	AB	AB	AB												4	1	80
6	18	15	20	27												0	8	

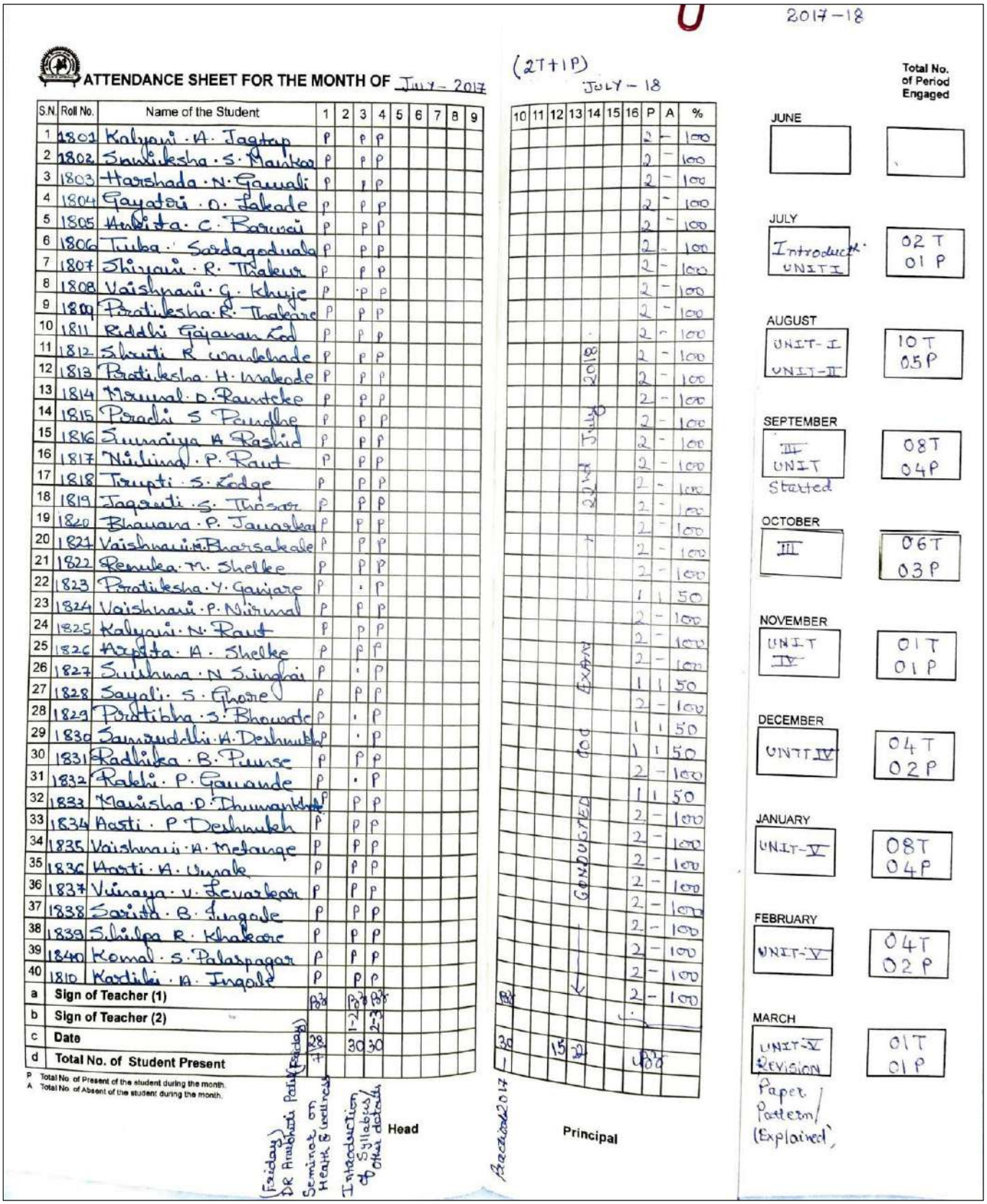
P Total No. of Present of the student during the month.
A Total No. of Absent of the student during the month.

Head

Principal

Total No. of Period Engaged

JUNE		
JULY	Introduction UNIT I	02 T 01 P
AUGUST	UNIT-I UNIT-II	10 T 05 P
SEPTEMBER	III UNIT Started	08T 04P
OCTOBER	III	06T 03P
NOVEMBER	UNIT IV	01T 01P
DECEMBER	UNIT IV	04T 02P
JANUARY	UNIT-V	08T 04P
FEBRUARY	UNIT-V	04T 02P
MARCH	UNIT-V Revision Paper Pattern Explained	01T 01P



2017-18

ATTENDANCE SHEET FOR THE MONTH OF July – 2017

S.N.	Roll No.	Name of the Student	1	2	3	4	5	6	7	8	9
1	1801	Kalyani · A · Jagtap	P		P	P					
2	1802	Snehiksha · S · Mankar	P		P	P					
3	1803	Harshada · N · Gawali	P		P	P					
4	1804	Gayatri · O · Lakade	P		P	P					
5	1805	Arpita · C · Barwai	P		P	P					
6	1806	Tuba · Sardagoduala	P		P	P					
7	1807	Shivani · R · Thakur	P		P	P					
8	1808	Vaishnavi · G · Khuje	P		P	P					
9	1809	Pratiksha · R · Thakare	P		P	P					
10	1811	Riddhi Gajanan Kod	P		P	P					
11	1812	Shruti R wankhade	P		P	P					
12	1813	Pratiksha · H · Wakode	P		P	P					
13	1814	Mrunal · D · Rautkar	P		P	P					
14	1815	Pradhi S Pandhe	P		P	P					
15	1816	Sumaiya A Rashid	P		P	P					
16	1817	Nikunj · P · Raut	P		P	P					
17	1818	Trupti · S · Lodge	P		P	P					
18	1819	Jagruti · S · Thosar	P		P	P					
19	1820	Bhavana · P · Jawarkar	P		P	P					
20	1821	Vaishnavi · M · Bharsakale	P		P	P					
21	1822	Renuka · M · Shelke	P		P	P					
22	1823	Pratiksha · Y · Gavjare	P		·	P					
23	1824	Vaishnavi · P · Mirmal	P		P	P					
24	1825	Kalyani · N · Raut	P		P	P					
25	1826	Arpita · A · Shelke	P		P	P					
26	1827	Sushma · N Singhai	P		·	P					
27	1828	Sayali · S · Ghore	P		P	P					
28	1829	Prathibha · S · Bhowate	P		·	P					
29	1830	Samruddhi · A · Deshmukh	P		·	P					
30	1831	Radhika · B · Pimpe	P		P	P					
31	1832	Rakhi · P · Gawande	P		·	P					
32	1833	Manisha · D · Dhumankh	P		P	P					
33	1834	Aarti · P Deshmukh	P		P	P					
34	1835	Vaishnavi · A · Metange	P		P	P					
35	1836	Aarti · A · Umale	P		P	P					
36	1837	Vinaya · V · Lovarkar	P		P	P					
37	1838	Savita · B · Jugade	P		P	P					
38	1839	Shilpa R · Khakare	P		P	P					
39	1840	Komal · S · Palaspagar	P		P	P					
40	1810	Kartiki · A · Ingole	P		P	P					
a	Sign of Teacher (1)		P		P	P					
b	Sign of Teacher (2)				1-2	2-3					
c	Date		28		30	30					
d	Total No. of Student Present		27								

P Total No. of Present of the student during the month.
A Total No. of Absent of the student during the month.

(Friday) DR Anubhuti Patil (Faculty)
Seminar on Health & Wellness
Introduction of Syllabus/ Other details

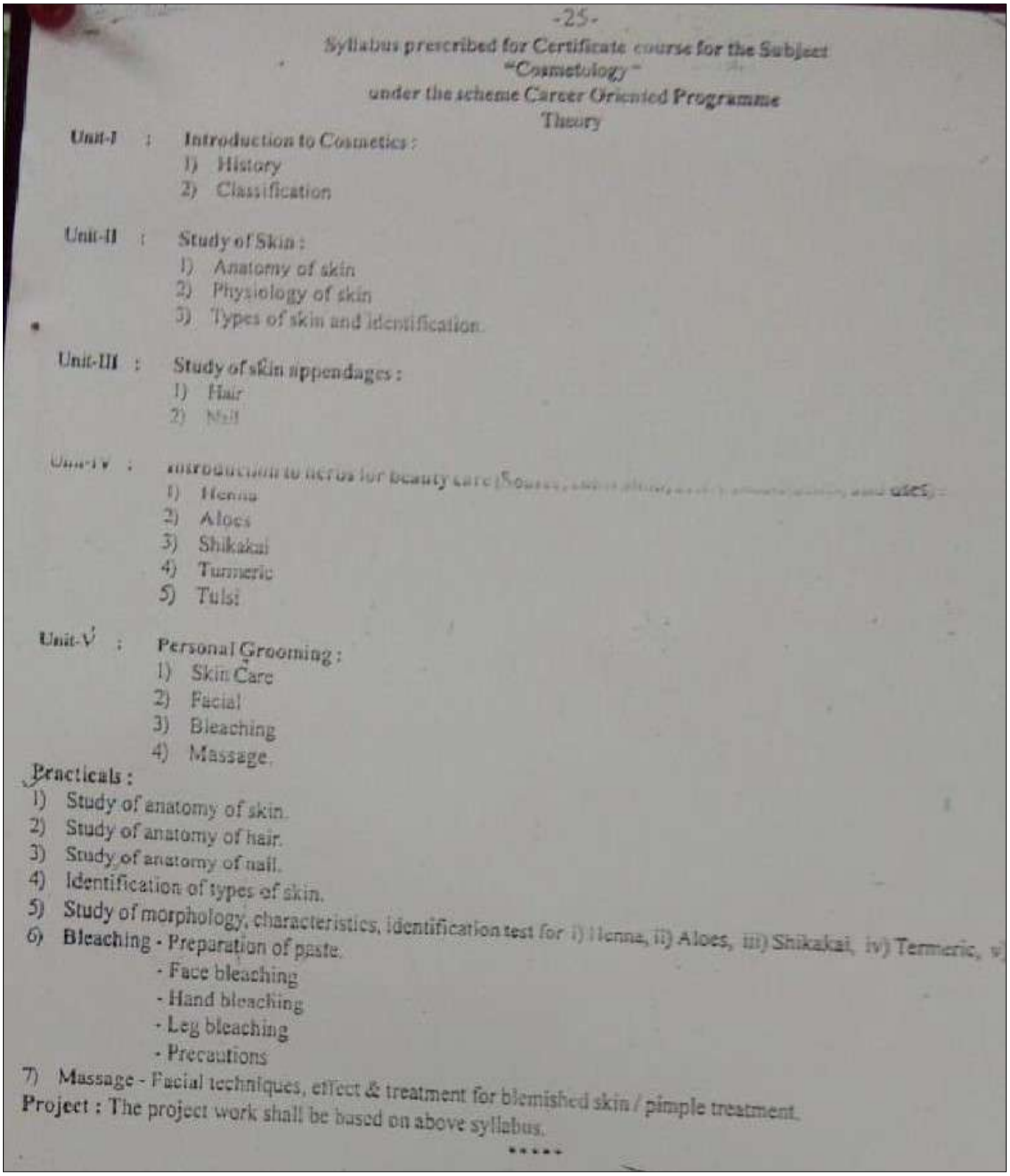
Head

(2T+1P)

JULY – 18

10	11	12	13	14	15	16	P	A	%
							2	–	100
							2	–	100
							2	–	100
							2	–	100
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							1	1	50
							2	–	100
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							2	–	100
							2	–	100
							2	–	100
							2	–	100
							2	–	100
							2	–	100
							2	–	100

Curriculum and Time table



-25-

Syllabus prescribed for Certificate course for the Subject
"Cosmetology"
under the scheme Career Oriented Programme
Theory

Unit-I : **Introduction to Cosmetics :**
1) History
2) Classification

Unit-II : **Study of Skin :**
1) Anatomy of skin
2) Physiology of skin
3) Types of skin and identification.

Unit-III : **Study of skin appendages :**
1) Hair
2) Nail

Unit-IV : Introduction to herbs for beauty care (Source, ... uses)
1) Henna
2) Aloes
3) Shikakai
4) Turmeric
5) Tulsi

Unit-V : **Personal Grooming :**
1) Skin Care
2) Facial
3) Bleaching
4) Massage.

Practicals :
1) Study of anatomy of skin.
2) Study of anatomy of hair.
3) Study of anatomy of nail.
4) Identification of types of skin.
5) Study of morphology, characteristics, identification test for i) Henna, ii) Aloes, iii) Shikakai, iv) Termeric, v)
6) **Bleaching** - Preparation of paste.
   - Face bleaching
   - Hand bleaching
   - Leg bleaching
   - Precautions
7) Massage - Facial techniques, effect & treatment for blemished skin / pimple treatment.

Project : The project work shall be based on above syllabus.

*****

Shri Shivaji Science College Amravati
Department of Chemistry
Cosmetology
Certificate Course
Time Table

Day (Sunday)	1	2	3	4	5
Module(T) 10am-11 am	Module I Introduction to Cosmetology	Module I Nutrition and Health	Module I History of Cosmetics	Module I Herbal Cosmetics	Module I Classification of Cosmetics
Practical (11-1.00 pm)	Pr1Anatomy of skin	Pr2Anatomy of skin	Pr3Anatomy of hair	Pr4Anatomy of nail	Pr5Identification of type of skin
Day (Sunday)	6	7	8	9	10
Module(T) 10am-11 am	Module II Selection ,Storage and Shelf life of Cosmetics	Module II Study of Skin	Module II Anatomy OF Skin	Module II Anatomy OF SkinPhysiology of Skin	Module II Types of Skin
Practical (11-1.00 pm)	Pr6Morphology etc of Herbs Henna	Pr7Morphology etc of Aloes	Pr8Morphology etc of Shikakai	Pr9Morphology etc of Tulsi	Pr10Morphology etc of Turmeric
Day (Sunday)	11	12	13	14	15
Module(T) 10am-11 am	Module III Identification OF Skin	Module III Study of Skin Apendages	Module III Structure & Function of Hair	Module III Hair Cycle	Module III Structure & Function of Nails
Practical (11-1.00 pm)	Pr11Face Bleaching	Pr12Hand Bleaching	Pr13Leg Bleaching	Pr14Precaution during bleaching	Pr15Facial Theory tips
Day (Sunday)	16	17	18	19	20
Module(T) 10am-11 am	Module IV Hair & Nail Care	Module IV Introduction to herbs for beauty care (Source, Cultivation, Active Constitutes and uses) Tulsi	Module IV Aloes	Module IV Henna	Module IV Shikakai
Practical (11-1.00 pm)	Pr16Facial finger movement practise	Pr17Facial Demo and practise	Pr18Treatment for blemished skin	Pr19Treatment for pimpled skin	Pr20 Threading
Day (Sunday)	21 Waxing Theory and	22Leg Waxing	23Underarm Waxing	24 Hand Waxing	25Body Massage

	Precautions				
Module(T) 10am-11 am	Module V Turmeric	Module V Personal Grooming	Module V Types of Camera	Module V Parts of Camera	Module V Function of Cameras
Practical (11-1.00 pm)	Pr21 Make -up	Pr22Hair style	Pr23College Hairstyle	Pr24Bridal Make-up	Pr25Personal Grooming
Day (Sunday)	26	27	28	29	30
Module(T) 10am-11 am	Module VI Types of lenses	Module VI Types of Filters	Module VI Aperture, Speed & ISO	Module VI Accessories of Camera	Module VI Photo editing
Practical (11-1.00 pm)	Pr26	Pr27	Pr28	Pr29	Pr30

Admission schedule: 1 to 31 July
Theory & Practical schedule: Aug, Sept, Oct, Nov, Jan, Feb, March & April
Project Topics are given in the pre –Diwali session.

Assessment

Shri Shivaji Science College ,Amravati				
Department of Chemistry				
Career Orientated Course in Cosmetology				
Result Analysis (2015-2020)				
CERTIFICATE				
Year/Course	Admitted	Appeared	Passed %	
2015-16	50	36	72	
2016-17	72	64	86	
2017-18	56	49	88	
2018-19	43	38	88	
2019-20	41	33	80	
Course Co-ordinator			Head of the Dept.	Principal



Shri Shivaji Education Society, Amravati's

SHRI SHIVAJI SCIENCE COLLEGE, AMRAVATI

Certificate Course in Cosmetology

Approved by : Sant Gadge Baba Amravati University, Amravati.

This is to certify that

Ms. _____

the within signed has successfully completed

the prescribed course of studies and passed the

Certificate Course in Cosmetology

Approved by Sant Gadge Baba Amravati University, Amravati.

in _____ *division in the year* _____

Place : _____

Date : _____

Course Co-ordinator
DR. ANJALI BODADE
DEPT. OF CHEMISTRY

Principal
DR. V. G. THAKARE

Summary Report and Outcome

Session 2017-18

SUMMARY REPORT AND OUTCOME

The students admitted to certificate(56) , diploma (9)and advanced diploma(3) . Result obtained in pass percentage was Certificate 88% , Diploma 100% and Advanced Diploma 100%.

Numbers of activities arranged

1) Seminar on "Health and Wellness"was arranged under the career oriented course in cosmetology on friday 28 july 2017. Renowned gynecologist and obstetrician Dr. AnubhutiPatil discussed on causes of Acanthosis , Thyroid, Polycyst ovaries , diet plan, hygiene ,the effects of late marriage and not to take any medicine to delay the menstrual cycle. Stress was laid on use of home made green cosmetics.
2) To expertise our students of cosmetology in the science of hair,colouring, chemicals, innovative texturized cuts and creative colour some of our students and ex-students of cosmetology attended one day hair fashion seminar delivered by Jawed Habib. The seminar was held on thursday 3rd august 2017 at Sant Dnyaneshwar Sanskrutik Bhawan Amravati . The participation certificate was received by the students at the hands of Jawed Habib . Students were guided with simple hair cutting and colouring eco-friendly techniques.
3) Seminar on bridal make-up and personal grooming was delivered to cosmetology students on Sunday 13th August 2017 by the beautician by Miss Pratibha Bhowate. This activity was carried out to promote make -up skill and to promote earning resources in the students.
4) A lecture on personal grooming and hygiene was delivered by Dr Anjali Bodade on25 th September 2017 to the 9th and 10th standard students of government girls high school,Amravati
5) The students of government girl's high school offering health and wellness subject visited cosmetology lab on 27th Nov.2017.They were given guidance by the course co-coordinator Dr. Anjali Bodade .on various courses being run in the college .Career opportunity in higher education in the concerned subject cosmetology.

Learning Outcomes of Certificate Course

1. The students are benefited for self caring.

2. Awareness about homemade remedies.

3. Self Employment like Home Service/ Saloons, Training Institute.
4)Health Care and proper use of medicine.

Learning Outcomes of Diploma Course

Placement of the students:

- Three of our Cosmatology students (Ms Vaishali,Pooja and Akansha,Laxmi) have been placed at (Amravati,Nanded , Pandharkawda and Amravati) as VOCATIONAL TRAINERS through campus placement of NSQF school project in Maharashtra for the session 2017-2018.

- Learnt Analysis of raw materials.
- Identification of perfumes.

Learning Outcomes of Advance Diploma

- Learnt low cost Hair colour techniques.
- The students are benefited for self caring.
- Provided skilled hands in rural areas

Dept. of Microbiology (Certificate Course in Laboratory Technology)

Name and Duration of the Program

SHRI SHIVAJI SCIENCE COLLEGE, AMRAVATI

Department of Microbiology

Admission Notice to CLT (COC) Course – 2017-18

Date: 21/08/2017

Admissions are open to B.Sc. I Students for CLT (Certificate Course in Laboratory Technology) under COC programme. Interested Students can take admission to this course.

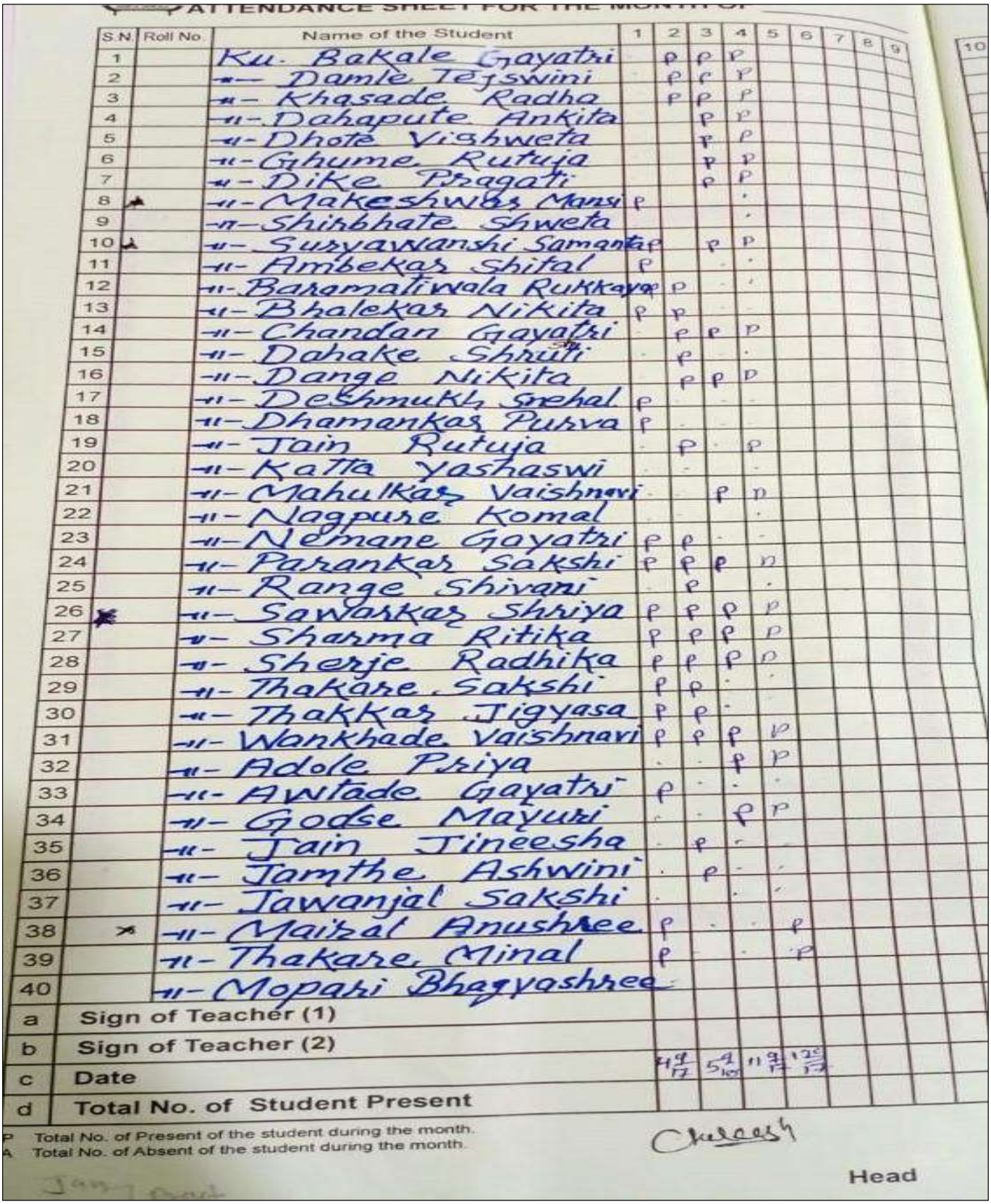
Dr. C. S. Ukosh
Co-ordinator

Associate Professor
Department of Microbiology
Shri Shivaji Science College
Amravati

List of the students Enrolled and Attendance

List of CLT Admitted Students 2017-18

Sr. No	Name of Students	Class	Contact no.
1	Bakale Gayatri	B.Sc. I (Biotech)	8412046959
3	Damle Tejswini	B.Sc. I (Biotech)	7038538467
2	Khasade Radha	B.Sc. I (Biotech)	9404295536
Sr. No	**Name of Students**	**Class**	**Contact no.**
4	Dahapute Ankita	B.Sc. II (Biotech)	7744812870
5	DhoteVishweta	B.Sc. II (Biotech)	9075531025
6	Ghume Rutuja	B.Sc. II (Biotech)	9765434233
Sr. No	**Name of Students**	**Class**	**Contact no.**
7	Dike Pragati R	B.Sc. I (Bio)	9545484825
8	Makeshwar Mansi N	B.Sc. I (Bio)	9511740020
9	Shirbhate Sweta	B.Sc. III (Bio)	7058059019
10	Suryawanshi Samanta R	B.Sc. I (Bio)	9075545855
Sr. No	**Name of Students**	**Class**	**Contact no.**
11	Ambekar Shital	B.Sc. I (Micro)	9766961518
12	Baramatiwala Rukkiyya	B.Sc. I (Micro)	9823817910
13	Bhalekar Nikita	B.Sc. I (Micro)	9922512815
14	Chandan Gayatri	B.Sc. I (Micro)	7218943360
15	Dahake Shruti	B.Sc. I (Micro)	9545520396
16	Dange Nikita	B.Sc. I (Micro)	7218077910
17	Deshmukh Snehal	B.Sc. I (Micro)	8669397526
18	Dhamankar Purva	B.Sc. I (Micro)	9923701863
19	Jain Rutuja	B.Sc. I (Micro)	7709965675
20	katta Yashaswi	B.Sc. I (Micro)	9850404215
21	Mahulkar Vaishnavi	B.Sc. I (Micro)	7083625754
22	Nagpure Komal	B.Sc. I (Micro)	7057037004
23	Nemane Gayatri	B.Sc. I (Micro)	9881275159
24	Parankar Sakshi	B.Sc. I (Micro)	9665156528
25	Range Shivani	B.Sc. I (Micro)	9096211133
26	Sawarkar Shriya	B.Sc. I (Micro)	7020704548
27	Sharma Ritika	B.Sc. I (Micro)	7276255155
28	Sherje Radhika	B.Sc. I (Micro)	9764850090
29	Thakare Sakshi	B.Sc. I (Micro)	7741975859
30	Thakkar Jigyasa	B.Sc. I (Micro)	7020768972
31	Wankhade Vaishnavi	B.Sc. I (Micro)	9096638816
Sr. No	**Name of Students**	**Class**	**Contact no.**
32	Adole Priya	B.Sc. II (Micro)	8550936836
33	Awtade Gayatri	B.Sc. II (Micro)	8975108647
34	Godse Mayuri	B.Sc. II (Micro)	7447212143
35	Jain Jineesha	B.Sc. II (Micro)	7887766324
36	Jamthe Ashwini	B.Sc. II (Micro)	8698290726
37	Jawanjal Sakshi	B.Sc. II (Micro)	9689867754
38	Mairal Anushree	B.Sc. II (Micro)	9168602867
39	Minal Thakare	B.Sc. II (Micro)	9112304216
40	Mopari Bhagyashree	B.Sc. II (Micro)	7507388676
41	Motwani Anjali	B.Sc. II (Micro)	9404557640
42	Mude Pratiksha	B.Sc. II (Micro)	8698345159
43	Rajput Ruchita	B.Sc. II (Micro)	7057998747
44	Shirsat Hrutuja	B.Sc. II (Micro)	8806362358
45	WankhadeKalyani	B.Sc. II (Micro)	9921502788



ATTENDANCE SHEET FOR THE MONTH OF

S.N.	Roll No.	Name of the Student	1	2	3	4	5	6	7	8	9	10
1		Ku. Bakale Gayatri		P	P	P						
2		" Damle Tejswini		P	P	P						
3		" Khasade Radha		P	P	P						
4		" Dahapute Ankita			P	P						
5		" Dhote Vishweta			P	P						
6		" Ghume Rutuja			P	P						
7		" Dike Pragati			P	P						
8		" Makeshwar Mansi	P			.						
9		" Shirbhate Shweta				.						
10		" Suryawanshi Samanta	P		P	P						
11		" Ambekar Shital	P			.						
12		" Baramatiwala Rukkaya	P	P		.						
13		" Bhalekar Nikita	P	P		.						
14		" Chandan Gayatri		P	P	P						
15		" Dahake Shruti		P		.						
16		" Dange Nikita		P	P	P						
17		" Deshmukh Sohal	P			.						
18		" Dhamankar Purva	P			.						
19		" Jain Rutuja		P		P						
20		" Katta Yashaswi				.						
21		" Mahulkar Vaishnavi			P	P						
22		" Nagpure Komal				.						
23		" Nemane Gayatri	P	P		.						
24		" Parankar Sakshi	P	P	P	P						
25		" Range Shivani		P		.						
26		" Sawarkar Shriya	P	P	P	P						
27		" Sharma Ritika	P	P	P	P						
28		" Sherje Radhika	P	P	P	P						
29		" Thakare Sakshi	P	P		.						
30		" Thakkar Jigyasa	P	P		.						
31		" Wankhade Vaishnavi	P	P	P	P						
32		" Adole Priya			P	P						
33		" Awtade Gayatri	P			.						
34		" Godse Mayuri			P	P						
35		" Jain Jineesha		P		.						
36		" Jamthe Ashwini		P		.						
37		" Jawanjal Sakshi				.						
38		" Maikal Anushree	P			P						
39		" Thakare Minal	P			P						
40		" Mopari Bhagyashree										
a	Sign of Teacher (1)											
b	Sign of Teacher (2)											
c	Date			4/9/17	5/9/17	11/9/17	12/9/17					
d	Total No. of Student Present											

P Total No. of Present of the student during the month.
A Total No. of Absent of the student during the month.

Chaudhary

Head


ATTENDANCE SHEET FO
S.N. Roll No. Name of the Studen
1 Ku. Bakale
2 Damle Tej
3 Khasade
4 Dahapute
5 Dhote Vish
6 Ghume Ru
7 Dike Prag
8 Makeshwb
9 Shirbhate
10 Suryawansh
11 Ambekar
12 Baramatiwala
13 Bhalekar
14 Chandan
15 Dahake
16 Dange Nik
17 Deshmukh
18 Dhamankar
19 Jain Rutu
20 Katta Yash
21 Mahulkar
22 Nagpure
23 Nemane
24 Parankar
25 Range Shiv
26 Sawarkar
27 Sharma Rit
28 Sherje Rad
29 Thakare Sak
30 Thakkar Jig
31 Wankhade Vai
32 Adole Priya
33 Awtade Gay
34 Godse May
35 Jain Jine
36 Jamthe As
37 Jawanjal Sa
38 Maikal Anu
39 Thakare Min
40 Mopari Bhagy
a Sign of Teacher (1)
b Sign of Teacher (2)
c Date
d Total No. of Student Present
P Total No. of Present of the student during the month
A Total No. of Absent of the student during the month
Jan Feb Prac
ATTENDANCE SHEET
FOR THE MONTH OF Nov
TOTAL No. OF STUDENT ON ROLL 40
P Total No. of Present of the student during the month
A Total No. of Absent of the studery during the month
Head
C.S.W
JUNE
JULY
AUGUS
SEP
Principal


ATTENDANCE SHEET FC
S.N
Roll No.
Name of the Studen
Ku. Bakale G
Damle Tej
Khasade R
Dahapute
Dhote Vish
Ghume Ru
Dike Prag
Makeshwb
Shirbhate S
Suryawanshi
Ambekar Sh
Baromatiwala
Bhalekar N
Chandan Ga
Dahake Sh
Dange Nik
Deshmukh
Dhamankar
Jain Rutu
Katta Yash
Mahulkar Va
Nagpure Ko
Nemane Ga
Parankar Sa
Range Shiv
Sawarkar S
Sharma Rit
Sherje Rad
Thakare Sak
Thakkar Jig
Wankhade Vai
Adole Priya
Awtade Gay
Godse May
Jain Jinee
Jamthe Ash
Jawanjal Sak
Maizal Anus
Thakare Mina
Mopari Bhagya
a Sign of Teacher (1)
b Sign of Teacher (2)
c Date
d Total No. of Student Present
P Total No. of Present of the student during the month.
Total No. of Absent of the student during the month.
ATTENDANCE
FOR THE MONTH OF
TOTAL No. OF STUDENT ON ROLL
P Total No. of Present of the student during the month.
A Total No. of Absent of the student during the month.
Head



ATTENDANCE SHEET FO

S.N	Roll No	Name of the Studen
1		Ku. Bakale G
2		〃 Damle Tej
3		〃 Khasade K
4		〃 Dahapute A
5		〃 Dhote Vish
6		〃 Ghume Ru
7		〃 Dike Prag
8		〃 Makeshwa
9		〃 Shirbhate S
10		〃 Suryawanshi
11		〃 Ambekar Sh
12		〃 Baramatiwala
13		〃 Bhalekar Nu
14		〃 Chandan Ga
15		〃 Dahake Sh
16		〃 Dange Nik
17		〃 Deshmukh S
18		〃 Dhamankar
19		〃 Jain Rutu
20		〃 Katta Yash
21		〃 Mahulkar Va
22		〃 Nagpure Ko
23		〃 Nemane Go
24		〃 Parankar Sa
25		〃 Range Shiv
26		〃 Sawarkar S
27		〃 Sharma Rit
28		〃 Sherje Rao
29		〃 Thakare Sak
30		〃 Thakkar Ji
31		〃 Wankhade Va
32		〃 Adole Priya
33		〃 Awtade Ga
34		〃 Godse May
35		〃 Jain Jine
36		〃 Jamthe As
37		〃 Jawanjal Sa
38		〃 Maisal Anu
39		〃 Thakare Min
40		〃 Mopari Bhag
a	Sign of Teacher (1)	
b	Sign of Teacher (2)	
c	Date	
d	Total No. of Student Present	

P Total No. of Present of the student during the month
A Total No. of Absent of the student during the month

ATTENDANCE SHEET
FOR THE MONTH OF Jan-Dec-Jan
TOTAL No. OF STUDENT ON ROLL

1	2	3	4	5	6	7	8	9	10	11	12
P	P	P	P								
P	P	P	P								
P	P	P	P								
P	P	P	P								
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P	P	P	P								
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P	P	P	P								
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P	P	P	P								
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21	22	23	26	Sun.	10	17	7½	24	7½	14½	18

P Total No. of Present of the student during the month
A Total No. of Absent of the student during the month

Head


ATTENDANCE SHEET FO
S.N
Roll No.
Name of the Studen
Sign of Teacher (1)
Sign of Teacher (2)
Date
Total No. of Student Present
tal No. of Present of the student during the month.
tal No. of Absent of the student during the month.
ATTENDANCE SHEET
FOR THE MONTH OF
TOTAL No. OF STUDENT ON ROLL
P Total No. of Present of the student during the month.
A Total No. of Absent of the student during the month.
Head
P
A
%
Princi

Curriculum and Time Table

SYLLABUS

SYLLABUS PRESCRIBED FOR CERTIFICATE COURSE IN
CLINICAL LABORATORY TECHNOLOGY.
THEORY

Unit I : Anatomy

Anatomical structure and location/distribution of different part of human body with anatomical terms andplanes.

- Gastro intestinal tract.
- Salivary glands, stomach, intestine.
- Liver, Gall bladder, spleen, pancreas
- Respiratory system
- Kidneys, Urater, Bladder.
- Testes (male genital organ)
- Ovaries, Uterus, Vagina, Urethra.

Unit II: Physiology

- Blood composition and function.
- Normal counts of blood cells and their function.
- Steps of coagulation, anticoagulants
- CSF
- Blood grouping, ABO and Rh typing.

Cardiovascular system.

- Heart structure and function.
- Blood vessels.
- Circulation
- Pulse, Blood pressure, Electrocardiogram.

Respiratory system.:

- Organs of Respiration.
- Transport of O_2 and CO_2 in the blood.

Excretory System:

- Functions of Kidneys.
- Functions of Glomerular tubules.
- Compositionof normal and abnormal urine.

Digestive System :

- Function of stomach, saliva, gastric juice, pancreatic juice.

Endocrine Glands :

- Defination of endocrine glands, name and Hormones secreted.
- Action of hormones.

Reproductive System :

- Sex organs, male and female.
- Testes and ovaries.
- Contraceptives.

Unit III : Elementry Clinical Biochemistry 10 lectures (5+5)

- Elementry knowledge, handling, maintance, and care of analytical instruments.
  a) Centrifuge
  b) Balance
  c) Colorimeter.
  d) Defination, classification and examples of carbohydrates, proteins, and lipids.

Unit IV : Microbiology 20 lectures (10+10)

1. Introduction to Microbiology, Morphological classfication of Bacteira.
2. Cultivation of bacteria acrobic and anaerobic.
3. Culture media, types of media, special media.
4. Sterilization and Disinfection (Physical and Chemical methods)
5. Morphology and Pathogenicity of Staphylococci, Streptococci, Salmonella, Shigella and Vibrio.
6. Morphology, Pathogenicity and methods of isolation of Mycobacte-rium tuberculosis and Mycobacterium leprae.
7. Antimicrobial susceptibility test.
8. Preservation of stock cultures.

Unit V : Haematology and clinical pathology. 20 lectures (10+10)

1. Introduction to Haematology.
2. Collection of blood - ways of collection.
3. Anticoagulants.
4. Red cell count - Haemocytometry.
5. White cell count - TLC
6. Differential white cell count. (DLC)
7. Absolute Eosinophil count.
8. ESR
9. Haematocrit - Packed cell volume (PCV)
10. Haemoglobin estimation.
11. Red cell Indices MCV, MCH, MCHC.
12. Reticulocyte count.
13. Sickel cell preparation.
14. Osmotic Fragility test

15. Preparation of Bone Marrow.
16. Morphology of Normal andAbnormal cells.
17. Coagulation test.
18. Bleeding time, clotting time.
19. Urine analysis (Normal constituents, Physical examination, chemical examination & Microscopic examination.)
20. Stool Examination (Normal and Abnormal constituents.)
21. C.S.F. Examination (Normal and Abnormal Cell counts and different counts.)
22. Semen Analysis : (Physical examination, Mortality and Morphology)
23. Blood grouping and Blood Banking.

PRACTICALS

Anatomy :

1. Study of permanent slides of cells and tissues.
2. Surface marking of body.
3. Skeletal system, bones and joints.

Physiology :

1. Microscope, usage, maintance, cleaning and minor repair.
2. Osmotic fragility test.
3. Identification of RBC under microscope.
4. DLC, Platelets, Reticulocytes.
5. To obtain sample of plasma and serum.
6. Preparation of oxalate, citrate, fluoride and EDTA anti coagulant Bulbs.
7. Haematocrit (PCV)
8. Neubour's chamber, pipettes (RBC/WBC), western green pipettes.
9. Haemoglobin estimation (By Sahli's method)
10. Blood pressure and pulse.
11. Examination of urine glucose and protein.
12. Record/Report writing.

Clinical Biochemistry :

1. Cleaning of Glassware.
2. Maintenance of laboratory instruments and cleaning.
   i. Centrifuge.
   ii. Colorimeter.
   iii. Spectrophotometer.
   iv. Microscope.
3. Estimation of serum Bilirubin, Blood Sugar, Blood Urea, Serum Creatinine, Uric acid, Cholesterol. Serum Acid phosphatase, Alkaline phosphatase, SGOT, SGPT, Serum Sodium/Potassium.
4. Qualitative and Quantitative estimation of urine sugar and protein.
5. C.S.F. protein, and sugar.

Microbiology

1. Gram staining technique.
2. Acid fast staining (Z-N)
3. Motility by hanging drop method.
4. Cultivation of UTI isolates.
5. Culture and sensitivity test (Kirby-Bauer method)
6. Biochemical test (Glucose, Lactose, Mannitol, Indole, MR, V.P.Citrate)

Haematology and Clinical Pathology.

1. Haemoglobin estimation by Sahli's method.
2. R.B.C. count.
3. TLC
4. DLC
5. Platelet count
6. Reticulocyte count.
7. Bleeding time, clotting time.
8. Examination of blood smear (Perpheral smear)
9. Eosinophil count: LE cell test, E.S.R. sickel cell test.
10. Stool examination for ova, cyst, Amoeba, Exudate, fat globule.
11. Routine Urine analysis.
12. Sputum Analysis.
13. Semen Analysis.
14. C.S.F. examination.
15. Bone Marrow smear Preparation.
16. Blood group: ABO and Rhfactor.

Field work / Project work : Project work / field work involving 90 hrs. minimum laboratory work and based on critical study of any one of the topics included in theory or practical should be completed for Certificate course. Project report of above 30 pages be submitted.

Distribution of marks

1.	Two major Experiments (7 marks each)	20
2.	Two minor Experiments (3 marks each)	10
3.	Spotting	08
4.	Viva	06
5.	Practical record	06
	Total Marks :	50

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LIST OF TOOLS AND EQUIPMENTS REQUIRED FOR CERTIFICATE / DIPLOMA / ADVANCED DIPLOMA COURSE IN CLINICAL LABORATORY TECHNOLOGY.

01.	Microscope	02.	Autoclave (Electric & gas operated)
03.	Hot plate (Electrical)	04.	Gas-cylinder with Bunsen burner.
05.	Spirit Lamp.	06.	Table centrifuge
07.	Refrigerator	08.	Colorimeter
09.	Hot-air-oven	10.	Waterbath
11.	Ringer-Timer	12.	Analytical balance.
13.	Physical balance	14.	Electronic Balance
15.	Flamephotometer	16.	Spectro Photometer
17.	Fluorometer.	18.	Vortex mixer.
19.	Centrifuge	20.	pH meter.
21.	Hot air-blower.	22.	Incubator.
23.	Inspissator	24.	Deioniser
25.	Pipette Washer	26.	Anaerobic jar
27.	Vacum pump	28.	Hydrogen and CO_2 Cylinder
29.	Dressing drum	30.	Water bath
31.	Pressure cooker	32.	VDRL Rotator
33.	Kahn rack	34.	Dreyer's rack
35.	Electrophoresis apparatus	36.	Seitz metal filter
37.	Aluminium suitcase	38.	Colony counter
39.	Blood cell counter	40.	Bohringer Balance (Rough)
41.	Hot plate	42.	Alarm time piece 1 hour ringer.
43.	Heamometer (Helige/Sahli) Complete	44.	Hemocytometer complete.
45.	Rosenthal counting chamber.	46.	ESR Rack
47.	ESR Tubes (Westergen's)	48.	Wintrobe's tubes.
49.	Gas cylinder	50.	Microscope lamp.
51.	Urinometer complete.	52.	Beaker 50 ml, 100 ml, 250 ml
53	Autopsy Striker	54.	Drill Electric
55.	Electric Sparker	56.	Epidioscope
57.	Grinder	58.	Hot air Drier
59.	Microtome	60.	Stop Watch

REFERENCE BOOKS.

I. BIOCHEMISTRY.

1. Review of Physicological Chemistry, 18th Edn., Harold Haper A., Lange Medical Perb, California.
2. Laboratory practical for beginners, P.Veskresensky, Mir publishes, Pervy Rizbsky Perulek, Moscow, USSR.
3. Clinical chemistry in diagnosis and treatment, 3rd Edn. 1979. Noan P.Ziwa and P. R.Pannal, LLoyds Luke (Medical books) LTd., 49 Newman, ST. London.
4. Manual Cardiovasccular diagonsis and therapy, Joseph S. Albert, James M. Ripps, Asian Ed., Little Brown & Company, Boston, Medical Services International Ltd., Tokyo.
5. Fundamentals of Biochemistry - A.C. Deb, New Central Book Agency, 8/1 Chintamanidas Lane, Calcutta - 700 009.
6. Principles of Biochemistry, 5th Edn. Mcraw hill Book Co., New York- A White P. Handler, E.L.Smith.
7. Fundamentals of Biochemistry - J.L. Jain S. Chand & Co.LTd., Ramnagar, New Delhi 110 055
8. Biochemistry - Datta, S.P.Ottaway J.H.Barelliere Tindall and Cssell London.
9. Enzyme diagnosis in diseases of the Heart, Liver and Pancreas - Adolph and R Lorenz Hanhum S. Kargeer. A.G.P.O. Box Ch. 4009 Basel, Switzerland.
10. A Premier of water Electrobyte and acid base Syndromes - E Gold Reger, Indian Edn., K.M.Verghese Co, 7119, Bombay 400 031
11. Clinical Interpretation of Laboratory Test, 9th Edn., Francis Widmann. P.G.Publishing Pvt. Ltd., Singapore, Hongkong.
12. Practical clinical biochemistry, - A.H.Covenlock, M.Bell, William Heimann, Med. Book Ltd., London.
13. Clinical Biochemistry - Principles & Procedures - 4th Edn. Annino J.S. and R. N.
14. A short test book on Clinical biochemistry - Baron D.N. English Universities Press, London.
15. Clinical Chemistyry for small hospitals, Laboratory - Reynold M.D.
16. Micro Analysis in Medical Biochemistry, 6th Edn., Wooton, I.D.P. Churchill Livingstone, Edinobourgh & London.
17. Seiverds Chemistry for Medical Technologists, 2nd Edn., W.I.White, Sam Frankel The C.V. Mobsy C., Saint Louis, USA.
18. Clinical Laboratory Methods, 5th Edn, - Bauer J.D., Ackeramann, P.G. land Toro GI, the C.V. Mobsy C., St. Louis.

Assessment

ASSESSMENT

S. G. B. AMRAVATI UNIVERSITY PRACTICAL EXAM SUMMER -2017 - 18

Centre: -Shri Shivaji Science College, Amravati.

Class: -COC Program Clinical Laboratory Technology

Sr. No	Roll No.	Name of the Students	Theory Marks (100)	Practical Marks (50)	Project Marks (50)	Total (200)	Percentage	Grade
1		Bakale Gayatri	58	40	44	142	71%	A
2		Damle Tejswini	57	43	44	144	72	A
3		Khasale Radha	55	42	44	141	70.5	A
4		Dahapute Ankita	62	43	45	150	75	A
5		DhoteVishweta	54	42	45	141	70.5	A
6		Ghume Rutuja	63	41	45	149	74.5	A
7		Dike Pragati R	51	33	40	124	62	A
8		Makeshwar Mansi N	49	36	45	130	65	A
9		Shirbhate Sweta	53	37	42	132	66	A
10		Ambekar Shital	80	39	45	164	82	A
11		Baramatiwala Rukkiyya	61	37	45	143	71.5	A
12		Bhalekar Nikita	58	42	42	142	71	A
13		Chandan Gayatri	74	38	45	157	78.5	A
14		Dange Nikita	73	41	45	159	79.5	A
15		Deshmukh Snehal	39	37	45	121	60.5	A
16		Dhamankar Purva	45	34	45	124	62	A
17		Jain Rutuja	56	38	45	139	69.5	A
18		katta Yashaswi	51	36	45	132	66	A
19		Mahulkar Vaishnavi	55	38	44	137	68.5	A
20		Nemane Gayatri	58	39	44	141	70.5	A
21		Parankar Sakshi	54	38	45	137	68.5	A
22		Range Shivani	49	38	42	129	64.5	A
23		Sharma Ritika	52	37	45	134	67	A
24		Sherje Radhika	62	36	42	140	70	A
25		Thakare Sakshi	56	36	44	136	68	A
26		Thakkar Jigyasa	59	37	45	141	70.5	A
27		Wankhade Vaishnavi	54	36	42	132	66	A
28		Adole Priya	59	40	45	144	72	A
29		Awtade Gayatri	60	39	45	144	72	A
30		Godse Mayuri	76	35	45	156	78	A
31		Jain Jineesha	65	32	45	142	71	A
32		Jamthe Ashwini	64	40	45	149	74.5	A
33		Jawanjal Sakshi	60	37	45	142	71	A
34		Mairal Anushree	58	35	45	138	69	A
35		Minal Thakare	58	38	45	141	70.5	A
36		Mopari Bhagyashree	67	39	45	151	75.5	A
37		Motwani Anjali	58	40	45	143	71.5	A
38		Mude Pratiksha	63	36	45	144	72	A
39		Rajput Ruchita	60	38	45	143	71.5	A
40		Shirsat Hrutuja	55	39	45	139	69.5	A
41		Wankhade Kalyani	56	38	45	139	69.5	A



Shri Shivaji Education Society, Amravati's

Shri Shivaji Science College, Amravati

Re-accredited by NAAC with "A" Grade (Very Good) with a CGPA of 3.13 &
UGC Awarded College with Potential for Excellence

Clinical Laboratory Techniques

Career Oriented Course

Approved by UGC (University Grants Commission)

CERTIFICATE

This is to certify that Shri/Smt/Ku. Ashwini. Tamthe.

the within signed has successfully completed the Certificate Course of

CLINICAL LABORATORY TECHNIQUES

approved by UGC (University Grants Commission) in _____ Division / Grade

in the academic year 2017 - 2018

Date : 10/08/2018

Course Coordinator

Principal

Summary Report and Outcome

Summary Report I-
2017-18
Certificate Course in Clinical Laboratory Technology (CLT)
During session 2017-2018

Clinical Laboratory Technology course under carrier-oriented certificate programme was started after some gap. Toatl 45 students of BSc. I offering groups like microbiology, (MBB+MBZ), Biotechnology (BTB+BTZ), and Biology group admitted for this course. Time table was prepared after completion of college hours Practical was conducted on every Sunday. Compulsory project also done by the student's project were allotted in groups pathology laboratory visits were also organized. As it is having 1 Year duration, after that exam was conducted 1) Theory paper exam of 100 marks 2) Practical exam 50marks 3) Project work 50 marks Total 41 students appeared for the exam & all 41 students passed.

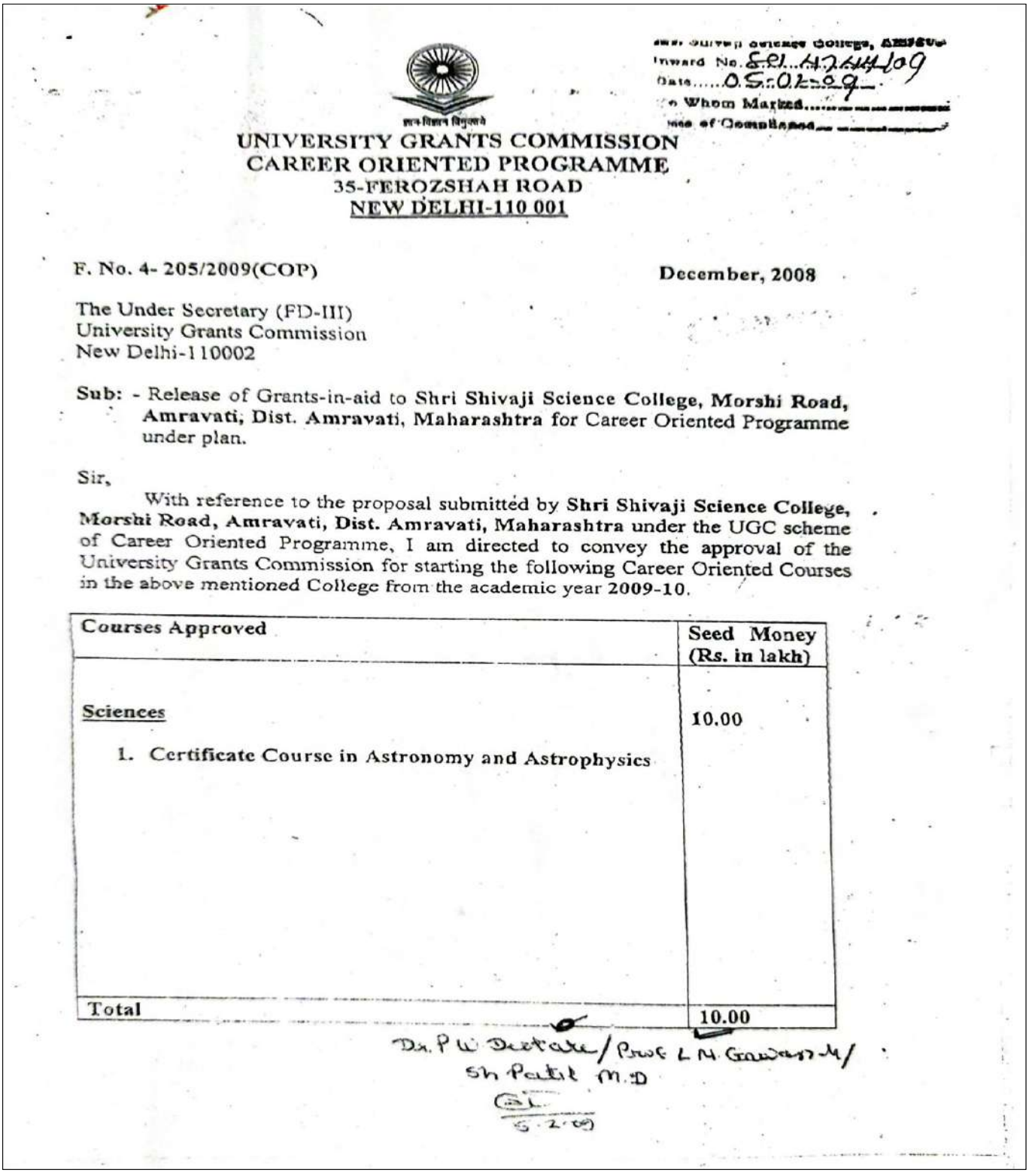
Output of this course:- 1) Each & every student can cultivate micro-organism present in mouth Urine, etc. 2) £very student can draw blood from vein for testing i.e. vein puncture 3) Every student can present in pathology laboratory starting from collection of sample to CBC analysis complete blood cell testing and urine sugar, creatine estimation etc. Some students also work in pathology laboratory for experience.

Activity: -

1. During 2017-18, on 14 " Nov. 2017 and ll Nov. 2017 two batches of IX th Class of Z.P Girls High School visited the department along with their teacher Mrs. Madhuri Pawar. On this event Ms. Anjali Nimbhorkar staff demonstrated blood group testing and Gram Staining of bacteria.
2. Dr. C.S.Ukesh delivered special lecture on Aids virus.

Department of Physics (COP-Astronomy and Astrophysics)

Name and Duration of the Program



Shivaji Science College, Amravati
Inward No. E-01-47444/09
Date 05.02.09
To Whom Marked
Date of Compliance

UNIVERSITY GRANTS COMMISSION
CAREER ORIENTED PROGRAMME
35-FEROZSHAH ROAD
NEW DELHI-110 001

F. No. 4- 205/2009(COP) December, 2008

The Under Secretary (FD-III)
University Grants Commission
New Delhi-110002

Sub: - Release of Grants-in-aid to **Shri Shivaji Science College, Morshi Road, Amravati, Dist. Amravati, Maharashtra** for Career Oriented Programme under plan.

Sir,

With reference to the proposal submitted by **Shri Shivaji Science College, Morshi Road, Amravati, Dist. Amravati, Maharashtra** under the UGC scheme of Career Oriented Programme, I am directed to convey the approval of the University Grants Commission for starting the following Career Oriented Courses in the above mentioned College from the academic year **2009-10**.

Courses Approved	Seed Money (Rs. in lakh)
Sciences	10.00
1. Certificate Course in Astronomy and Astrophysics	
Total	10.00

Dr. P W Deotale / Prof L N Gaudan M/
Sh Patil M.D
GL
5.2.09

I am also directed to convey the sanction of the University Grants Commission for payment of Rs. **10,00,000/-** (Rupees **Ten Lakh only**) to **Shri Shivaji Science College, Morshi Road, Amravati, Dist. Amravati, Maharashtra** as one time grant (Seed Money) under the scheme of Career Oriented Programme.

The assistance available in the programme is only in the form of a one – time as **"Seed Money"**. The amount may be utilized for the purchase of books and journals augmentation of laboratory facilities, equipment and payment of remuneration to the Guest faculty only.

The terms and conditions of the approval and grant released are as per the guidelines of the scheme.

1. The sanctioned amount is dabitable to the major Head **5.(i)** (Career Oriented to Education). The above sanction is valid for payment during the current financial year **2008-09.**
2. The amount of grant shall be drawn by the Under Secretary (Drawing and Disbursing Officer), University Grants Commission on the Grants –in –aid bill and shall be disbursed to the credited to the Principal, **Shri Shivaji Science College, Morshi Road, Amravati, Dist. Amravati, Maharashtra** through Demand Draft/Mail Transfer.
3. The grant is subject to the adjustment on the basis of Utilization Certificate in the prescribed proforma submitted by the University/College/Institution.
4. The University/College shall maintain proper accounts only on approved items of expenditure.
5. The Utilization Certificate to the effect that the grant has been utilized for the purpose for which it was sanctioned shall be furnished to the University Grants Commission as early as possible after the close of the current financial year.
6. The assets acquired wholly or substantially out of the University Grants Commission grant shall not be disposed or encumbered or Utilized for the purposes other than those for which the grant was given, without proper sanction of the University Grants Commission and should, at any time the college ceases to function, such assets shall revert to the University Grants Commission.
7. A Register of Assets acquired wholly or substantially out of the grant shall be maintained by the University in the prescribed form.
8. The grantee institution shall ensure the Utilization of grants-in-aid for which it is being sanctioned/paid. In case non-utilization/part utilization, the simple interest @ 10% per annum as amended from time to time on unutilized amount from the date of drawl to the date of refund as per provisions contained in General Financial Rules of Govt. of India will be charged.
9. **The University/College shall implement the programme from the academic year 2009-10 positively and UGC to be informed in this regard.**

10. The interest earned by the University/College/Institute on this grants in aid shall be treated as additional grant and may be shown in the U.C./Statement of expenditure to be furnished by grantee institutions.
11. The University/College shall follow strictly all the instructions issued by the Govt. of India from time to time with regard to reservation of posts for scheduled Caste and Scheduled Tribes.
12. The University/College shall fully implement the Official Language Policy of Union Govt. and comply with the Official Language Act, 1963 and Official Language (use for officially purpose of the Union) Rules, 1976 etc.
13. The Sanction issues in exercise of the delegation of powers vide Commission office order No. 25/92 dated May.01, 1992.
14. The funds to the extent are available under the scheme and has been noted in BCR for the year 2008-09 at S. No. 317 Page No. 45.

Yours faithfully,

(Dr. (Mrs.) H.K. Chauhan)
Joint Director

Copy forwarded for information and necessary action to:

1. The Principal, **Shri Shivaji Science College, Morshi Road, Amravati, Dist. Amravati, Maharashtra** to intimate the receipt of the letter as well as the receipt of the sanction grant.

2. The Secretary to the Government of **Maharashtra**, Deptt. of Education, **Mumbai.**

3. The Registrar, **Sant Gadge Baba Amravati University, Amravati.**

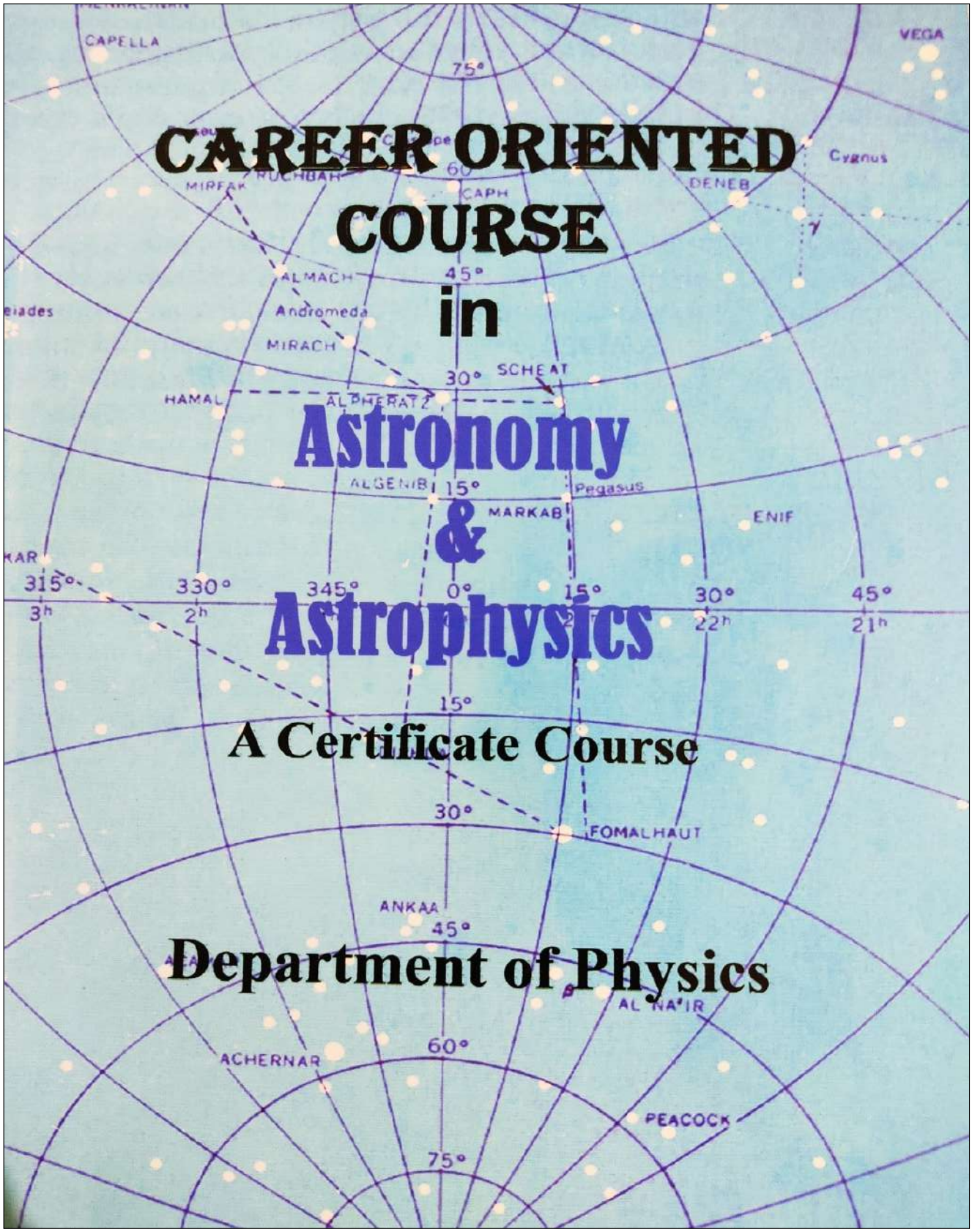
4. Joint Director/Deputy Secretary/Education Officer, Western Regional Office, Ganeshkhind, Pune University Campus, Pune-411007, M.S.

5. Office of Director, General, Audit General Revenues, AGCR Bldg., I.P. Estate, New Delhi.

6. Guard File, UGC, New Delhi.

(Joginder)
Under Secretary

Principal
01.5.10.09


CAPELLA
VEGA
75°
CAREER ORIENTED
COURSE
Cygnus
MIRFAK
RUCHBAH
60°
CAPH
DENEB
γ
ALMACH
45°
in
Andromeda
MIRACH
30°
SCHEAT
HAMAL
ALPHERATZ
Astronomy
ALGENIB
15°
Pegasus
MARKAB
ENIF
&
315°
330°
345°
0°
15°
30°
45°
3h
2h
22h
21h
Astrophysics
15°
A Certificate Course
30°
FOMALHAUT
ANKAA
45°
Department of Physics
AL NA'IR
ACHERNAR
60°
PEACOCK
75°

List of the Students Enrolled and Attendance

Students Admitted &Passed in COP (Astronomy Astrophysics)

Certificate Course 2017-18

Sr.	Name	Class	Group
1	DONDALKAR MUKUND SANJANA	B.Sc. I	PCM
2	SHARMA NINAR SHAILESH	B.Sc. I	PCM
3	BANSOD NEHA GUNVANT	B.Sc. I	PCM
4	UKE AISHWARYA SANJAY	B.Sc. I	PCM
5	SOHIL SHIEKH SHIEKH	B.Sc. I	CMP

Certificate Course in Astronomy &Astrophysics
Students Attendance

August 2017

Sr. No.	Name	1	2	3	4	5	6	7	8
1	DONDALKAR MUKUND SANJANA	P	P	P	P	P	P	P	A
2	SHARMA NINAR SHAILESH	P	P	P	P	P	P	P	P
3	BANSOD NEHA GUNVANT	P	P	P	A	P	P	P	P
4	UKE AISHWARYA SANJAY	P	P	P	P	P	P	P	P
5	SOHIL SHIEKH SHIEKH	P	P	P	P	P	P	P	P
	Dates	1	7	8	14	21	22	28	29

Certificate Course in Astronomy &Astrophysics
Students Attendance

September 2017

Sr. No.	Name	1	2	3	4	5	6	7	8
1	DONDALKAR MUKUND SANJANA	P	P	P	P	P	P	P	P
2	SHARMA NINAR SHAILESH	P	P	P	P	P	P	P	P
3	BANSOD NEHA GUNVANT	P	P	P	P	P	A	P	P
4	UKE AISHWARYA SANJAY	P	A	P	P	P	P	P	P
5	SOHIL SHIEKH SHIEKH	P	P	P	P	P	P	P	P
	Dates	6	7	13	14	20	21	27	28

Certificate Course in Astronomy &Astrophysics
Students Attendance

October 2017

Sr. No.	Name	1	2	3	4	5	6	7	8
1	DONDALKAR MUKUND SANJANA	P	P	P					
2	SHARMA NINAR SHAILESH	P	P	P					
3	BANSOD NEHA GUNVANT	P	P	P					
4	UKE AISHWARYA SANJAY	P	P	P					
5	SOHIL SHIEKH SHIEKH	P	P	P					
	Dates	3	9	10					

Certificate Course in Astronomy &Astrophysics
Students Attendance

December 2017

Sr. No.	Name	1	2	3	4	5	6	7	8
1	DONDALKAR MUKUND SANJANA	P	P	P	P	P	P	P	P
2	SHARMA NINAR SHAILESH	P	P	P	P	P	P	A	P
3	BANSOD NEHA GUNVANT	P	P	P	P	P	P	P	P
4	UKE AISHWARYA SANJAY	P	P	P	P	P	P	P	P
5	SOHIL SHIEKH SHIEKH	P	P	P	P	P	P	P	P
	Dates	6	7	13	14	20	21	27	28

Certificate Course in Astronomy &Astrophysics
Students Attendance

January 2018

Sr. No.	Name	1	2	3	4	5	6	7	8
1	DONDALKAR MUKUND SANJANA	P	P	P	P	P	P	P	A
2	SHARMA NINAR SHAILESH	P	P	P	P	P	P	P	P
3	BANSOD NEHA GUNVANT	P	P	P	A	P	P	P	P
4	UKE AISHWARYA SANJAY	A	P	P	P	P	P	A	P
5	SOHIL SHIEKH SHIEKH	P	P	P	A	P	P	P	P
	Dates	1	2	8	9	15	16	22	23

Certificate Course in Astronomy &Astrophysics
Students Attendance

February 2018

Sr. No.	Name	1	2	3	4	5	6	7	8
1	DONDALKAR MUKUND SANJANA	P	P	P	P	P	P	P	P
2	SHARMA NINAR SHAILESH	P	P	P	P	P	P	P	P
3	BANSOD NEHA GUNVANT	P	P	P	P	A	P	P	P
4	UKE AISHWARYA SANJAY	P	P	P	P	P	P	P	P
5	SOHIL SHIEKH SHIEKH	P	P	P	P	P	P	P	A
	Dates	1	7	8	14	15	21	22	28

Curriculum and Time table

CAREER ORIENTED COURSE SYLLABUS

Certificate Course in Astronomy and Astrophysics

Duration: Annual

Theory: 10 credits of 15 hours each

Unit I **History of Astronomy**

- Pre historic astronomy
- Early ideas of heavens
- Astronomy as tool in every day life and basis for religion.
- Contributions by ancient Hindu, Arabic and Greek astronomers or thinkers like Ptolemy, Aryabhatta, Varahmir, Nicolas Copernicus, Johannes Kepler, Galileo Galili, Tycho Brahe, Issac Newton etc.

Unit II **Sky and Coordinate system in Astronomy**

- Aspect of sky at a given place
- Sky conditions for astronomical observations
- Identification of some prominent stars in the night sky
- Spherical coordinate system.
- Latitude and longitude at a place on the earth.
- Celestial coordinate system (RA and Dec).
- Concept of celestial equator, elliptic and equinoxes.
- Precession of equinoxes.
- Astronomical definition of time.
- Visual magnitude system for stars and planets.

Unit III **Sky observations at night**

- Ideal sky for astronomical observations.
- Constellation including Zodiac belt.
- Sky charts.
- Motion of moon.
- Apparent motion of sun.
- Motion of planets.

Unit IV **Astronomical Instruments -I**

- Sextant : Principle of working and its application for measurement of coordinates of stars and planets.
- Binoculars : Principle of working, field of view, magnifying power, resolving power.
- DSLR camera : Principle of working and its features.

Field work/Project work : Field work/Project work based on critical study of any one of the topics included in theory or practical should be completed for the course.

Training : Training at leading research institute in India.

Practical : Perform at least 15 experiments based on theory paper.

Time Table

Session 2017-18

Day	Theory 06:30 – 07:30 PM	Practical 07:30 – 09:30 PM
Mon	CC (PAN)	DC (WSB)
Tue	CC (WSB)	DC (PAN)
Wed	ADC (SSA)	CC (PAN)
Thu	ADC (PAN)	CC (WSB)
Fri	DC (VBB)	ADC (PAN)
Sat	DC (VBB)	ADC (PAN)

CC: Certificate Course, DC: Diploma Course, ADC: Advanced Diploma Course

Assessment

SHRI SHIVAJI SCIENCE COLLEGE, AMRAVATI

DEPARTMENT OF PHYSICS

Assessment

Career Oriented Program (COP)

Astronomy and Astrophysics

Result Analysis (2017-18)

Course	Year	No. of students admitted	No. of students passed
Certificate	2017-18	05	05

Shri Shivaji Education Society, Amravati's

Shri Shivaji Science College, Amravati

NAAC Accredited by Grade "A" with CGPA of 3.13 (Third Cycle),
UGC Awarded Status of College with Potential for Excellence (Second Phase),
Identified by DST, Govt of India for FIST and Sant Gadge Baba Amravati University, Amravati as Lead College

COC ASTRONOMY & ASTROPHYSICS

ASTRONOMY AND ASTROPHYSICS

Career Oriented Course

Approved by SANT GADGE BABA AMRAVATI UNIVERSITY, AMRAVATI

CERTIFICATE

This is to certify that Mr./Ms. _____
the within signed has successfully completed the prescribed course of studies and passed the CERTIFICATE COURSE in "ASTRONOMY AND ASTROPHYSICS" in First Division in the academic year 2017-18.

H.O.D. Course Coordinator Principal

Summary Report and Outcome

Summary Report and Course Outcomes (2015-16)

The night sky dotted with millions of shining and twinkling stars is really a majestic spectacle to the eyes. It lets us wondering as to where these stars come from, enchant the world with their brilliant sparkle and then vanish and come back again the next night. Similar queries and hundreds of other mysteries like the movement of planets, of meteors and quest for life on other planets have left man dumbfounded. Astronomy, as a career option, ensures unravel these mysteries. If one is amazed at the mysteries of the universe and nurtures a desire to unravel this, choose the career of Astronomy. It will test one's scientific temperament and also satisfy one's curiosity. One opportunity to work with the best brains in the country and will become a part of the intellectual treasure of the world.

Astronomy is the science that deals with the material universe beyond the earth's atmosphere. It studies the nature and constitution of heavenly bodies. It is also the study of the laws, which govern them, as also the effect produce upon one another. It seeks to unravel the probable past history of heavenly bodies and their development.

The use of modern technology and new gadgets has made Astronomy a specialized branch of study in modern science. Man used to study the motion of planets and heavenly bodies since ancient times. With the science and technology, man began to use sophisticated technological gadgets for the purpose. Aryabhatta, Tycho Brahe and Sir Isaac Newton have been some of the best brains in Astronomy since the ages.

As Astronomer, one has to observe the night sky and gather various astronomical data, analyze them and then discern and compare other available data. Thereby, one will arrive at conclusions, refute old theories and build new theories.

Astronomy is divided into several branches such as Astrophysics, Astrometeorology, Astrobiology and Astrometry. These branches together help in the holistic study of the discipline and unravel the mysteries of the universe.

Objectives of the course

- The purpose and activities of the astronomy enthusiasts has till date been purely leisure. We feel the need to incorporate the existing facilities into the mainstream undergraduate physics education through this Career Oriented Course.
- This shall be amongst the very few institutes where the students get to make use of astronomical facility as a part of undergraduate education.
- The students would get an exposure to astronomy as an observational science.
- The academic curriculum shall be enriched.
- Help the students to develop skills that shall enable them to work in a group.
- Exposure of students to observation based research in Astronomy.
- Students and faculty as part of this course work to promote astronomy as a hobby and spread knowledge among the students of Colleges and schools of the neighboring areas.

Through this course we have arranged many Sky Watching Sessions at all Major Astronomical Events with

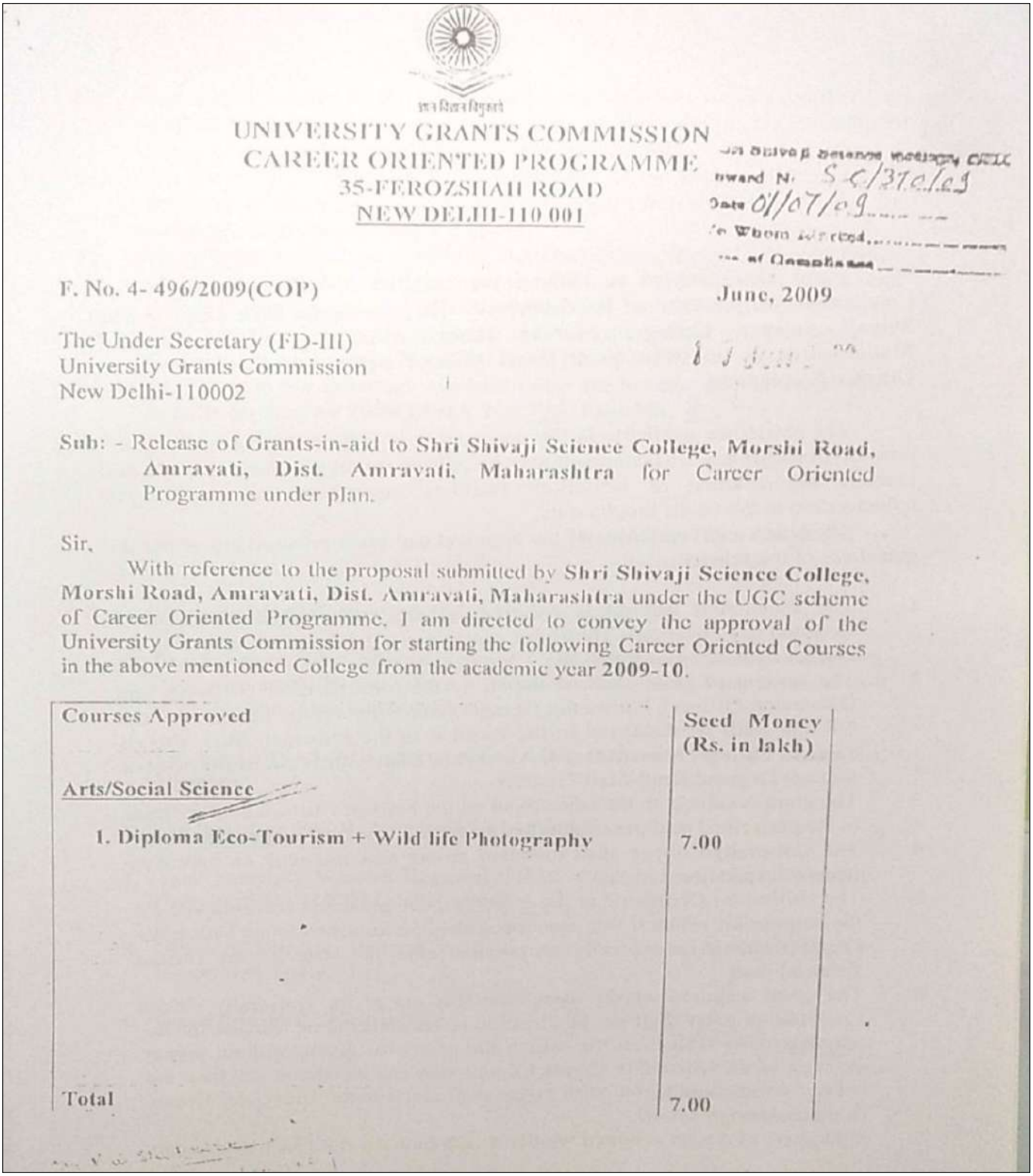
- 1. Celestron 8 inch Schmidt Cassegrain Telescope a view finder and inbuilt tracking system on an equatorial mount.
- 2. Binoculers (20X80 Giant and 25X100 Super Giant) with heavy duty mount.
- 3. Canon DSLR Camera EOS 5D MARK II
- Sessions on telescope handling and astrophotography for Schools
- Special educational sessions for the school students around
- Popular Lectures on astronomy and astrophysics

After the completion of the course students will

- learn the history of modern observational astronomy, with a key focus on how the interpretation of results from experimentation and observation guided the deployment of astronomy.
- be able to read the sky maps/ sky charts.
- learn different celestial coordinate systems
- be able to describe different zodiacal constellations.
- be able to describe detail changes which are observed when viewing the sky daily, weekly, monthly, annually and longer period of time and demonstrate an understanding of the reasons behind any observed changes.
- be able to describe the working principle of astronomical tools.
- be able to use basic astronomical tools.

Dept. of Zoology (COP-Eco-tourism & Wildlife Photography)

Name and Duration of the Program



सत्यमेव जयते

UNIVERSITY GRANTS COMMISSION
CAREER ORIENTED PROGRAMME
35-FEROZSHAH ROAD
NEW DELHI-110 001

Shri Shivaji Science College, CRTC
Inward No. S-C/37e/09
Date 01/07/09
To Whom Marked
Nature of Complaint

F. No. 4- 496/2009(COP)

June, 2009

The Under Secretary (FD-III)
University Grants Commission
New Delhi-110002

Sub: - Release of Grants-in-aid to Shri Shivaji Science College, Morshi Road, Amravati, Dist. Amravati, Maharashtra for Career Oriented Programme under plan.

Sir,

With reference to the proposal submitted by Shri Shivaji Science College, Morshi Road, Amravati, Dist. Amravati, Maharashtra under the UGC scheme of Career Oriented Programme, I am directed to convey the approval of the University Grants Commission for starting the following Career Oriented Courses in the above mentioned College from the academic year 2009-10.

Courses Approved	Seed Money (Rs. in lakh)
Arts/Social Science	
1. Diploma Eco-Tourism + Wild life Photography	7.00
Total	7.00

-2-

I am also directed to convey the sanction of the University Grants Commission for payment of Rs. 7,00,000/- (Rupees **Seven lakh only**) to **Shri Shivaji Science College, Morshi Road, Amravati, Dist. Amravati, Maharashtra** as one time grant (Seed Money) under the scheme of Career Oriented Programme.

The assistance available in the programme is only in the form of a one time as **"Seed Money"**. The amount may be utilized for the purchase of books and journals augmentation of laboratory facilities, equipment and payment of remuneration to the Guest faculty only.

The terms and conditions of the approval and grant released are as per the guidelines of the scheme.

1. The sanctioned amount is dabitable to the major Head **5.(i)** (Career Oriented to Education). The above sanction is valid for payment during the current financial year **2009-10.**
2. The amount of grant shall be drawn by the Joint Director (Drawing and Disbursing Officer), University Grants Commission on the Grants in aid bill and shall be disbursed to the credited to the Principal, **Shri Shivaji Science College, Morshi Road, Amravati, Dist. Amravati, Maharashtra** through Demand Draft/Mail Transfer.
3. The grant is subject to the adjustment on the basis of Utilization Certificate in the prescribed proforma submitted by the University/College/Institution.
4. The University/College shall maintain proper accounts only on approved items of expenditure.
5. The Utilization Certificate to the effect that the grant has been utilized for the purpose for which it was sanctioned shall be furnished to the University Grants Commission as early as possible after the close of the current financial year.
6. The assets acquired wholly or substantially out of the University Grants Commission grant shall not be disposed or encumbered or Utilized for the purposes other than those for which the grant was given, without proper sanction of the University Grants Commission and should, at any time the college ceases to function, such assets shall revert to the University Grants Commission.
7. A Register of Assets acquired wholly or substantially out of the grant shall

-3-

10. The interest earned by the University/College/Institute on this grants in aid shall be treated as additional grant and may be shown in the U.C./Statement of expenditure to be furnished by grantee institutions.
11. The University/College shall follow strictly all the instructions issued by the Govt. of India from time to time with regard to reservation of posts for scheduled Caste and Scheduled Tribes.
12. The University/College shall fully implement the Official Language Policy of Union Govt. and comply with the Official Language Act, 1963 and Official Language (use for officially purpose of the Union) Rules, 1976 etc.
13. The Sanction issues in exercise of the delegation of powers vide Commission office order No. 25/92 dated May.01, 1992.
14. The funds to the extent are available under the scheme and has been noted in BCR for the year 2009-10 at S. No. 46 Page No. 8.

Yours faithfully,

(Dr. (Mrs.) H.K. Chauhan)
Joint Director

Copy forwarded for information and necessary action to:

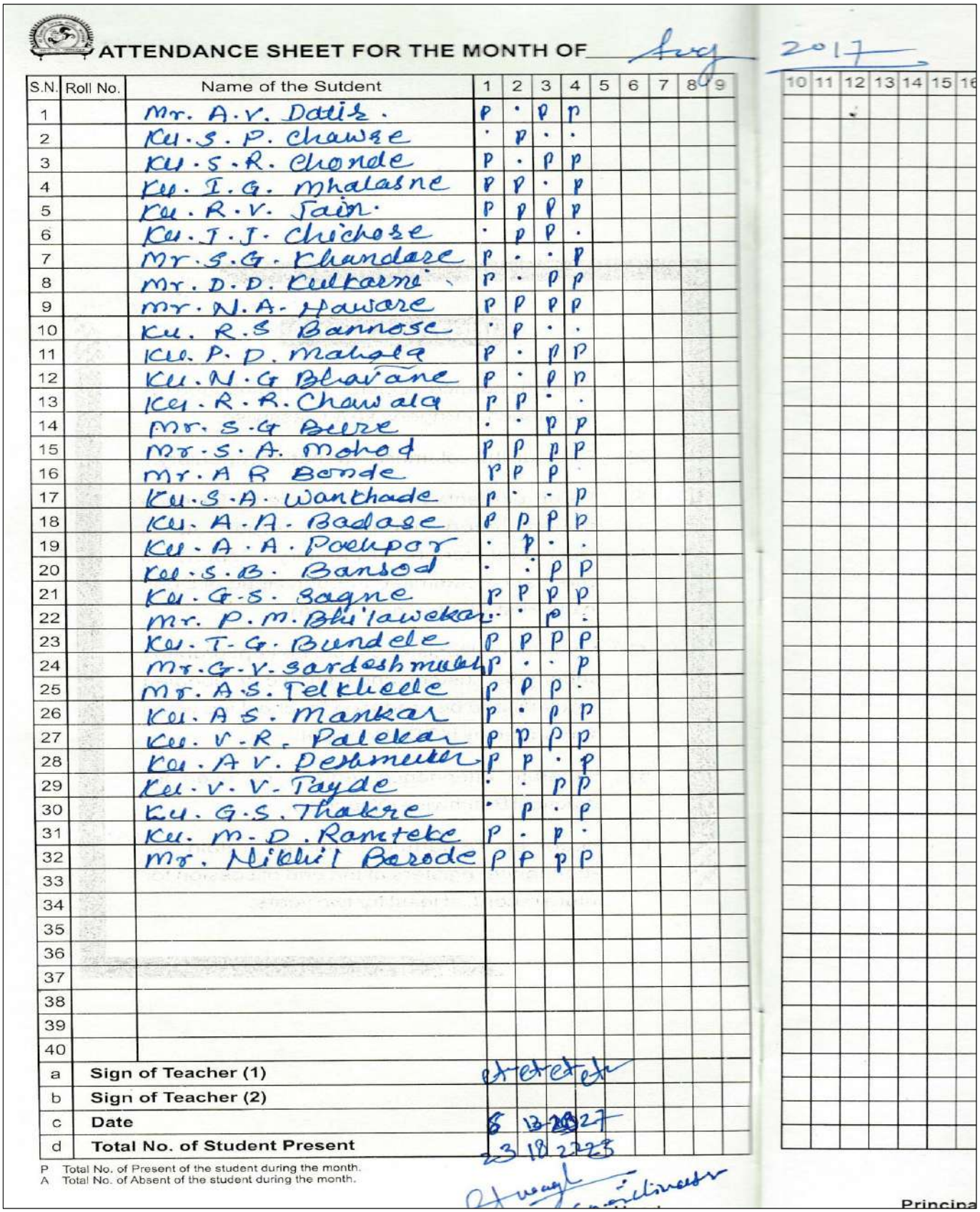
1. The Principal, **Shri Shivaji Science College, Morshi Road, Amravati, Dist. Amravati, Maharashtra** to intimate the receipt of the letter as well as the receipt of the sanction grant.
2. The Secretary to the Government of **Maharashtra**, Deptt. of Education, **Mumbai.**
3. The Registrar, **S.G.B. Amravati University, Amravati.**
4. Joint Secretary Western Regional Office, Ganeshkhind, Pune University Campus, Pune-411007 (Maharashtra)
5. Office of Director, General, Audit General Revenues, AGCR Bldg., I.P. Estate, New Delhi.
6. Guard File, UGC, New Delhi.

(Joginder)
Under Secretary

List of the Students Enrolled and Attendance

Shri Shivaji Science College Amravati
Department of Zoology
COP-Ecotourism and wildlife Photography
Certificate Course
List of certificate course students 2017-18

Sr.No	ID No.	Name	M/F	Category	Amount	
1	20203	Mr.AdeshV.Datir	M	OBC	1500	
2	20373	Ku.SiddhaliP.Chaware	F	Open	1500	
3	20375	Ku.SnehalR.Chonde	F	OBC	1000	
4	20367	Ku.IshwariG.Malasane	F	OBC	1500	
5	20378	Ku.RutujaV.Jain	F	OPEN	1500	
6	20412	Ku.JanaviJ.Chitore	F	NT2	1500	
7	20445	Mr.ShivamG.Khandare	M	SC	1500	
8	20539	Mr.D.D.Kulkarni	M	OPEN	1500	
9	20564	Mr.NirantA.Haware	M	OBC	1500	
10	20673	Ku.RutujaS.Bannore	F	Open	1500	
11	20768	Ku.PoojaD.Malaha	F	OBC	500	
12	20769	Ku.Neha G. Bhavare	F	OBC	500	
13	20810	Ku.RadhaR.Chawala	F	OBC	1000	
14	20793	Mr.ShivrajG.Bhure	M	OPEN	1500	
15	20822	Mr.SumitA.Mohod	M	OBC	1500	
16	20841	Mr.ArpitR.Bonde	M	SC	1000	
17	20845	Ku.Sakashi A. Wankhade	F	OBC	1500	
18	20846	Ku.Anuja S. Badase	F	OBC	1000	
19	20844	Ku.NandiniV.Pachpore	F	SBC	1500	
20	20852	Ku.SamikshyaB.Bansod	F	SC	1500	
21	20865	Ku.GouriS.Sagane	F	OBC	1500	
22	20866	Mr.PankajM.Bhilawekar	M	ST	500	
23	20871	Ku.TrapaG.Bundele	F	OBC	1500	
24	20874	Mr.GopalV.Sardeshmukh	M	OPEN	1500	
25	20878	Mr.Adesh S. Telkhede	M	OBC	1500	
26	20889	Ku.AkshadaS.Mankar	F	OBC	1500	
27	20890	Ku.VaishnaviV.Palekar	F	OBC	1500	
28	20890	Ku.AmishaV.Deshmukh	F	OBC	1500	
29	20890	Ku.Visshakha V. Tayade	F	OBC	1500	
30	20890	Ku.Gayatri S. Thakare	F	OBC	1500	



ATTENDANCE SHEET FOR THE MONTH OF Aug 2017

S.N.	Roll No.	Name of the Sutdent	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1		Mr. A.V. Dalis.	P	.	P	P								.				
2		Ku.S.P. Chawre	.	P	.	.												
3		Ku.S.R. Chonde	P	.	P	P												
4		Ku. I.G. Mhalasne	P	P	.	P												
5		Ku. R.V. Jain.	P	P	P	P												
6		Ku.J.J. Chichose	.	P	P	.												
7		Mr.S.G. Khandare	P	.	.	P												
8		Mr. D.D. Kulkarni	P	.	P	P												
9		Mr. N.A. Haware	P	P	P	P												
10		Ku. R.S Bannose	.	P	.	.												
11		Ku. P.D. Mahalq	P	.	P	P												
12		Ku.N.G Bhaiane	P	.	P	P												
13		Ku. R.R. Chawalq	P	P	.	.												
14		Mr. S.G Bure	.	.	P	P												
15		Mr.S.A. Mohod	P	P	P	P												
16		Mr.A R Bonde	P	P	P													
17		Ku.S.A. Wanthade	P	.	.	P												
18		Ku. A.A. Badase	P	P	P	P												
19		Ku.A.A. Poshpor	.	P	.	.												
20		Ku.S.B. Bansod	.	.	P	P												
21		Ku.G.S. Bagne	P	P	P	P												
22		Mr. P.M. Bhilawekar	.	.	P	.												
23		Ku.T.G. Bundele	P	P	P	P												
24		Mr.G.V. Sardeshmukh	P	.	.	P												
25		Mr. A.S. Telkhede	P	P	P	.												
26		Ku. A.S. Mankar	P	.	P	P												
27		Ku. V.R. Palekar	P	P	P	P												
28		Ku.A.V. Deshmukh	P	P	.	P												
29		Ku.V.V. Tayde	.	.	P	P												
30		Ku.G.S. Thakre	.	P	.	P												
31		Ku. M.D. Ramteke	P	.	P	.												
32		Mr. Nikhil Barode	P	P	P	P												
33																		
34																		
35																		
36																		
37																		
38																		
39																		
40																		
a	Sign of Teacher (1)																	
b	Sign of Teacher (2)																	
c	Date		8	13	26	27												
d	Total No. of Student Present		23	18	22	23												

P Total No. of Present of the student during the month.
A Total No. of Absent of the student during the month.

Principa

Curriculum and Time Table

Time Table

Day (Sunday)	1	2	3	4	5
Module(T) 10am-11 am	Module I Natural Resources	Module I Community ecology	Module I Inter specific relationship	Module I	Module I
Practical (11-1.00 pm)	Pr1	Pr2	Pr3	Pr4	Pr5
Day (Sunday)	6	7	8	9	10
Module(T) 10am-11 am	Module II Ecosystem	Module II Food Chain	Module II Ecological Pyramids	Module II Energy Flow	Module II Ecological Indicators
Practical (11-1.00 pm)	Pr6	Pr7	Pr8	Pr9	Pr10
Day (Sunday)	11	12	13	14	15
Module(T) 10am-11 am	Module III Scope of Ecotourism	Module III Potentials of Ecotourism	Module III Tiger Reserve	Module III Sanctuaries & National Park	Module III Forts, Caves & Temples
Practical (11-1.00 pm)	Pr11	Pr12	Pr13	Pr14	Pr15
Day (Sunday)	16	17	18	19	20
Module(T) 10am-11 am	Module IV Communication Skills	Module IV Tourist Rules	Module IV Interpretation centre	Module IV Species Diversity	Module IV Animal Tracks & signs
Practical (11-1.00 pm)	Pr16	Pr17	Pr18	Pr19	Pr20
Day (Sunday)	21	22	23	24	25
Module(T) 10am-11 am	Module V History of Photography	Module V Evolution of Camera	Module V Types of Camera	Module V Parts of Camera	Module V Function of Cameras
Practical (11-1.00 pm)	Pr21	Pr22	Pr23	Pr24	Pr25
Day (Sunday)	26	27	28	29	30
Module(T) 10am-11 am	Module VI Types of lenses	Module VI Types of Filters	Module VI Aperture, Speed & ISO	Module VI Accessories of Camera	Module VI Photo editing
Practical (11-1.00 pm)	Pr26	Pr27	Pr28	Pr29	Pr30

Admission schedule: 1 to 31 July
Theory & Practical schedule: Aug, Sept, Oct, Nov, Jan, Feb, March & April

GUIDELINES TO PREPARE THE SYLLABUS
FOR CERTIFICATE COURSE IN
ECO-TOURISM & WILD LIFE PHOTOGRAPHY
UNDER THE CAREER ORIENTED PROGRAMME

UNIT I **ENVIRONMENT & ECOLOGY.**

1.1 Environment : Defination, Classification

1.2 Natural Resources : Defination, Classification, Types (Renewable & Non renewable)

1.3 Ecology : Defination, principles, scope of ecology, Ecological factors.

1.4 Community ecology : Defination, species diversity, ecological niche, ecotone.

1.5 Population ecology : Defination, Characteristics, Inter specific relationship, Naturalism, commensalisms, parasitism, predation, competition.

UNIT II **ECOSYSTEM**

2.1 Ecosystem, definition, components, structures.

2.2 Food Chains

2.3 Ecological pyramids

2.4 Energy flow models

2.5 Ecological indicators

UNIT III **ECOTOURISM**

3.1 Ecotourism : Defination & Scope of ecotourism.

3.2 Potential of ecotourism in Vidarbha region.

3.3 Tiger Reserve : Melghat, Pench, Tadoba.

3.4 Sanctuaries & National parks – Nawegaon, Nagzira, Katepurna, Bor, Tipeshwar.

3.5 Forts, Caves & Temples : Narnala, Gawilgarh, Salbardi, Muktagiri, Markanda.

UNIT IV **GUIDE TRAINING :**

4.1 Communication skills

4.2 Tourist rules do's & don'ts

4.3 Knowledge about interesting facts & interpretation centre.

4.4 Knowledge about mammals, Birds, Insects & Trees, animal tracks signs.

4.5 Importance of Guide in Ecotourism.

UNIT V **PHOTOGRAPHY**

5.1 History and Evolution of Camera.

5.2 Parts of camera, types of camera.

5.3 Types of lenses.

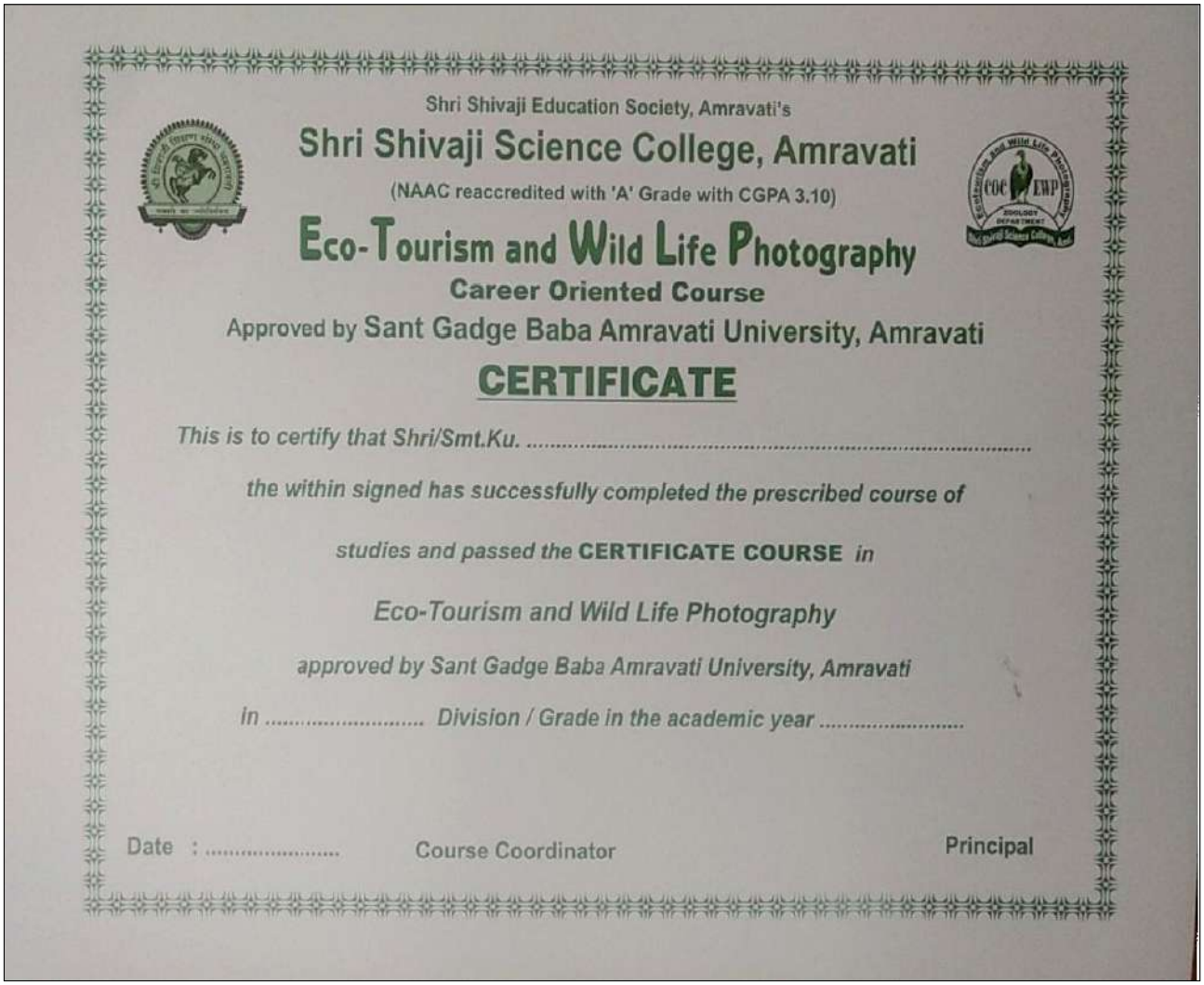
5.4 Use of filter, study of aperture and speed.

5.5 Use of computer in photography.

PRACTICALS

1. Local field visits.
2. Visit to nature reserve, forts, other sites of cultural heritage.
3. Development of a trek route and conducting a trekking activity.
4. Listing of local flora, fauna and describing them.
5. Photography

Assessment



Shri Shivaji Education Society, Amravati's

Shri Shivaji Science College, Amravati

(NAAC reaccredited with 'A' Grade with CGPA 3.10)

Eco-Tourism and Wild Life Photography

Career Oriented Course

Approved by Sant Gadge Baba Amravati University, Amravati

CERTIFICATE

This is to certify that Shri/Smt.Ku. .....

the within signed has successfully completed the prescribed course of studies and passed the **CERTIFICATE COURSE** *in*

Eco-Tourism and Wild Life Photography

approved by Sant Gadge Baba Amravati University, Amravati

in ..... Division / Grade in the academic year .....

Date : ..... Course Coordinator Principal

Summary Report and Outcome

Shri Shivaji Science College Amravati
Department of Zoology
Eco-tourism & Wildlife Photography

Career Oriented Certificate program- 2017-18
Summary Report

The main objectives of this course were to increase awareness about eco-tourism, adventure, Wildlife conservation, Biodiversity documentation and also to develop photography skill and create scientific temperaments among students. In all 32 students were enrolled for this course. As per the course contents various technical sessions & field based activities were conducted for the students. Students were participated actively in Bird watching program, Clay Ganesh Idol awareness program, Photo exhibition and Photography competitions.

Under this Eco-tourism & Wildlife Photography course Two days residential "Nature Camp cum Workshop" was organized at Shahanur Interpretation Centre, Narnala Wildlife Sanctuary, Akot Division of Melghat Tiger Reserve on 12-13 February 2018. Thirty two students were actively participated in this Nature Camp.

Mr. Guru Prasad, Deputy Conservator of Forest, Akot Division of MTR had visited to Nature Camp and interacted with student during technical session. During two days Camp students were actively participated in nature walk (Shahanur to Paldhari protection Hut), Narnala Fort visit, vegetation study, Bird watching, Adventure activities, hands-on photography training, Animal tracks and signs study and GPS training.

Dr. Jayanat Wadatkar, Dr.Gajanan Wagh, Dr. Shrikant Warhekar, Mr.Gourav Kadu, Mr. Susil Raut,Mr. Manish Dhakulkar and Devvrat Kulkarni has delivered their lectures during technical session. Abhijit Solanke, Rajubhai Pachel. Hayat Qureshi, Prathmesh Tiwari, Jagdeo Iwane took great efforts for the successful of the Nature Camp.

Course Outcomes:
1) Increased knowledge about Wildlife and their Ecology.
2) Increased awareness about eco-tourism & wildlife conservation among COC students.
3) Acquired the Knowledge of adventure activities and rescue operation.
4) Adapted skill of wildlife photography
5) Developed skill for scientific documentation.

Date:3-3-2018

Dr.G.A.Wagh
Course
Coordinator

Dr. H. S. LUNGE
IQAC Coordinator
Shri Shivaji Science College
Amravati.

Principal
Shri Shivaji Science College
AMRAVATI.

Year 2018-2019

Year 2018-2019

Dept. of Botany ("Six Day Behavioural Training and Skill Development Programme (BTSDP)")

Name and Duration of the Program

"Six Day Behavioural Training and Skill Development Programme (BTSDP)"

From:
D. D. Khedkar
Asso. Prof. in Botany
Shri Shivaji Science College, Amravati

Date: 10/07/2018

To,
The Principal
Shri Shivaji Science College,
Amravati

Subject: Request for Permission to organize Training Programme

Respected Sir,

In view of the current requirement of the multinational companies and other employers, skilled candidates are highly demanded. It's the general understanding in our region that our students are with full of potential in terms of the knowledge, but when it comes to the presentation, our students are lagging.

Therefore, Career Counseling Cell is proposing a customized programme for our college students. The programme is entitled "Six Day Behavioural Training and Skill Development Programme (BTSDP)" covering all the basics of employability. We are planning the special programme in the regular evening classes of Career Counseling Cell during 21st to 28th July, 2018.

All UP and PG students will be invited for this training programme.

So, I may humbly request you to kindly grant the permission for organization of this program in benefit of our students.

Thank you.

D. D. Khedkar
Convener
Career Counselling Cell
Shri Shivaji Science College, Amravati

List of the Students Enrolled and Attendance

"SIX DAY BEHAVIORAL TRAINING AND SKILLEVELOPMENT PROGRAMME (BTSDP)"

21st to 28th July, 2018

Admitted Students

S.N.	SURNAME	CLASS	YEAR
1.	ABRUK TEJASWINI NARAYAN	B. SC.	I
2.	ABRUK PRANALI RAJESH	B. SC.	I
3.	AGHAM DIVYA BHARAT	B. SC.	I
4.	AKOLKAR VAISHNAVI KISHOR	B. SC.	II
5.	ALONI AMIT RAVI	B. SC.	II
6.	AMBEKAR SHITAL PADMAKARRAO	B. SC.	I
7.	ANDE NIKHIL VILASRAO	B. SC.	II
8.	BAKALE GAYATRI RAJIV	B. SC.	I
9.	BANUBAKODE PARITOSH ATUL	B. SC.	I
10.	BARAMATIWALA RUQAIYYA SAFDAR	B. SC.	II
11.	BHALEKAR NIKITA NARENDRA	B. SC.	I
12.	BHIVGADE RUTUJA MANOHARRAO	B. SC.	II
13.	BHUYAR KRUTIKA VIJAYRAO	B. SC.	II
14.	BOBADE DHARNA RAJU	B. SC.	II
15.	CHANDAN GAYATRI VISHNU	B. SC.	II
16.	CHANDURKAR ARATI SUBHASHRAO	B. SC.	II
17.	CHAVHAN TANVI VIJAY	B. SC.	II
18.	DAHIWALE VIDISHA SUSHIL	B. SC.	I
19.	DAHIWALE VIDISHA SUSHIL	B. SC.	II
20.	DAMLE TEJASWINI RAMDHAN	B. SC.	II
21.	DAMLE TEJASWINI RAMDHAN	B. SC.	II
22.	DANGE VAIBHAV SANTOSH	B. SC.	II
23.	DARWAI TANAYA PRAMODRAO	B. SC.	I
24.	DEAHMUKH SNEHAL RAMAN	B. SC.	II
25.	DESHMUKH MANALI VINOD	B. SC.	I
26.	DESHMUKH SHANTANU PRAMODRAO	B. SC.	II
27.	DESHMUKH SAMPADA NARENDRA	B. SC.	II
28.	DEV RUTUJA MOHAN	B. SC.	II
29.	DIKE PRAGATI RADHESHAM	B. SC.	II
30.	DOHALE LAKSHITA BHAGWAN	B. SC.	II
31.	GADE PRATIKSHA KISHOR	B. SC.	I
32.	GADEKAR ROHINI RAJENDRA	B. SC.	I
33.	GANGWANI JANAVI BALDEV	B. SC.	II
34.	GAWALI HARSHADA NANDKISHOR	B. SC.	II
35.	GHUNGRUD SAMIKSHA VIJAY	B. SC.	I
36.	GIDHWANI RENU PARMANAND	B. SC.	II
37.	H SHIVANI RAMDAS	B. SC.	I
38.	HARNE RUTUJA SUBHASH	B. SC.	I

39.	ISAL MAYURI GAJANAN	B. SC.	II
40.	JADHAO ROSHAN LALIT	M.SC.	I
41.	JAISWAL SHRADDHA HEMANT	B. SC.	II
42.	JOGE SONALI PANJABRAO	B. SC.	II
43.	KADU PRATIKSHA SUDHIR	B. SC.	II
44.	KALASKAR NEHA NANDKISHOR	B. SC.	II
45.	KALE VAISHNAVI KESHAVRAO	B. SC.	I
46.	KALE DHANASHRI RAJENDRA	B. SC.	II
47.	KAVITKAR MAYURI PRAKASHRAO	B. SC.	II
48.	KAWARE HITAKSHI RAJESH	B. SC.	I
49.	KEWATE NISHA PURUSHOTTAM	B. SC.	II
50.	KHALOKAR SHREYA NANDKISHOR	B. SC.	I
51.	KHASALE RADHA RAJESH	B. SC.	II
52.	KULKARNI MANALI DEEPAK	B. SC.	II
53.	KUNDALKAR ASHWINI SURESHRAO	B. SC.	II
54.	LANJEWAR PRAGATI VASANTRAO	B. SC.	II
55.	LAWANKAR YASHWANT MAHADEORAO	B. SC.	I
56.	LIKHITKAR PRUTHAL ANIL	B. SC.	I
57.	LOKHANDE VAISHNAVI SANJAYRAO	B. SC.	I
58.	MADAKWADE PRAJAKTA THAMRAJ	B. SC.	II
59.	MADAVI MOHIT SANJAY	B. SC.	I
60.	MAKODE PRATIKSHA HARIDASRAO	B. SC.	II
61.	MALAMKAR SHARAYU RAVINDRA	B. SC.	II
62.	MASKI MEENAL GIRIDHAR	B. SC.	II
63.	MOHOD VAISHNAVI DNYANESHWAR	B. SC.	I
64.	MORE ANIKET SUDHAKAR	B. SC.	I
65.	NAGPURE KOMAL DINESHRAO	B. SC.	II
66.	NAGRALE PRERNA RAMDAS	B.C.A	I
67.	NAGRURKAR SEJAL VINOD	B. SC.	I
68.	NEMANE GAYATRI SANJAY	B. SC.	II
69.	NICHAT DURGESHWARI VILAS	B. SC.	II
70.	NINNORE PRATIKSHA PREMCHAND	B. SC.	I
71.	RASHID SUMAIYA ABDUL	B. SC.	II
72.	RATHOD BADAL ROHIDAS	B. SC.	I
73.	RATHOD SANKET ANIL	B. SC.	II
74.	RATHOD RESHMA KISAN	B. SC.	II
75.	RAUT SAKSHEE ANILRAO	B. SC.	I
76.	RAUT PRACHI SURESHRAO	B. SC.	I
77.	RAUT NILIMA PUNDLIKRAO	B. SC.	II
78.	SANGOLE PAWAN MANOJ	B. SC.	II
79.	SARAF VAISHNAVI SURESH	B. SC.	II
80.	SHAIKH MOHD SALMAN ABDUL SALEEM	B. SC.	II
81.	SHARMA NEHA VIJAY	B. SC.	II

82.	SHERJE RADHIKA PRAKASHRAO	B. SC.	II
83.	SOLAO PRANAY PRAMODRAO	B. SC.	I
84.	SUROSHE PIYUSH GAJANAN	B. SC.	II
85.	TARALE VAIBHAV RAJENDRA	B. SC.	II
86.	TAYADE AISHWARYA DADARAO	B. SC.	I
87.	THAKARE SAKSHI KIRAN	B. SC.	II
88.	THAKARE KALYANI SATISH	B. SC.	II
89.	THOMBARE HARSHAD KIRAN	B.C.A	II
90.	TIDKE VAISHNAVI NANDKISHOR	B. SC.	II
91.	UIKE RENUKA BABURAO	B. SC.	II
92.	VITKARE VAISHNAVI ANIL	B. SC.	II
93.	WADHALE PUJAN SUDAM	B. SC.	II
94.	WADHWANI DHEERAJ SHYAM	B. SC.	I
95.	WAGHADE SUJATA GAJANANRAO	B. SC.	II
96.	WANKHADE PRABHAT PRAKASH	B. SC.	I
97.	WANKHADE SHRUTI RAJENDRA	B. SC.	II
98.	WANKHADE VAISHNAVI VIJAYRAO	B. SC.	II
99.	WANKHEDE CHETNA PRAMOD	B.C.A	I
100.	WANVE TEJAS NANDAKISHOR	B. SC.	I
101.	ZODPE TRUPTI SANJAY	B. SC.	II

Curriculum and Time table

Shri Shivaji Science College, Amravati

CAREER COUNSELING CELL

Notice

"Behavioral Training and Skill Development Programme

21st to 28th July. 2018

Morning 8.00 to 9.30 and Evening 5.00 to 7.30

Venue: AV Theatre

DATE	TOPIC	Counsellor
21st July	Induction Talk	**Mr. Dipak Jagrut** National Trainer and Motivator for career counselling
22nd July	Personal Effectiveness	**Dr. D. S. Hedaoo** Arts, Science and Commerce College, Chikhaldara, Amravati
23rd July	Goal Setting	**Dr. D. D. Khedkar** Shri Shivaji Science College, Amravati
24th July	Skills required MNC Jobs	**Dr. Revati Khokale** Shri Shivaji Science College, Amravati
25th July	GDPI Techniques	**Mr. Nitin Bansod** Shri Shivaji Science College, Amravati
26th July	Interview Technique	**Dr. D. D. Khedkar** Shri Shivaji Science College, Amravati
27th July	Soft Skills	**Dr. R. C. Maggirwar** Shri Shivaji Science College, Amravati
28th July	Personality Analysis and Career opportunities	**Dr. D. D. Khedkar** Shri Shivaji Science College, Amravati

(D. D. Khedkar)
Convener,
Career Counseling Cell

V. G. Thakare
Principal
Shri Shivaji Science College, Amravati

Assessment

Assessment: all students have successfully completed the training program on "Behavioural Training and Skill Development Programme (BTSDP)

Summary Report and Outcome

Summary report And Course Outcome

In the annual planning of the activities for the academic session 2018 – 2019, it was decided to organize dedicated training programme for the college students to develop soft skills and polish their personality. As per the exhaustive discussion and resolution the course Contents and outcomes were framed and scheduled the training programme in the beginning of the session.

As per decision, with the prior permission of Hon'ble Principal, the training programme was announced in the second week of July and invited all UG and PG students for the participation. As per the course contents, speakers were invited to deliberate on specific topics and the contents therein. Initially 158 students expressed their interest and joined the program, finally 101 students could complete the program.

The programme was started with the induction talk by Mr. Dipak Jagrut, followed by interactive sessions by Dr. D. S. Hedawoo, Dr. RevatiKhokale, Mr. Nitin Bansod, Dr. Rekha Maggirwar, and Course Coordinator Dr. D. D. Khedkar. Every session was followed by assignment specially designed on the contents delivered. For the assessment of assignments team of experts was constituted including committee members of the Career Counselling Cell.

At the end of the programme, all the participants were provided with the Certificate of Participation.

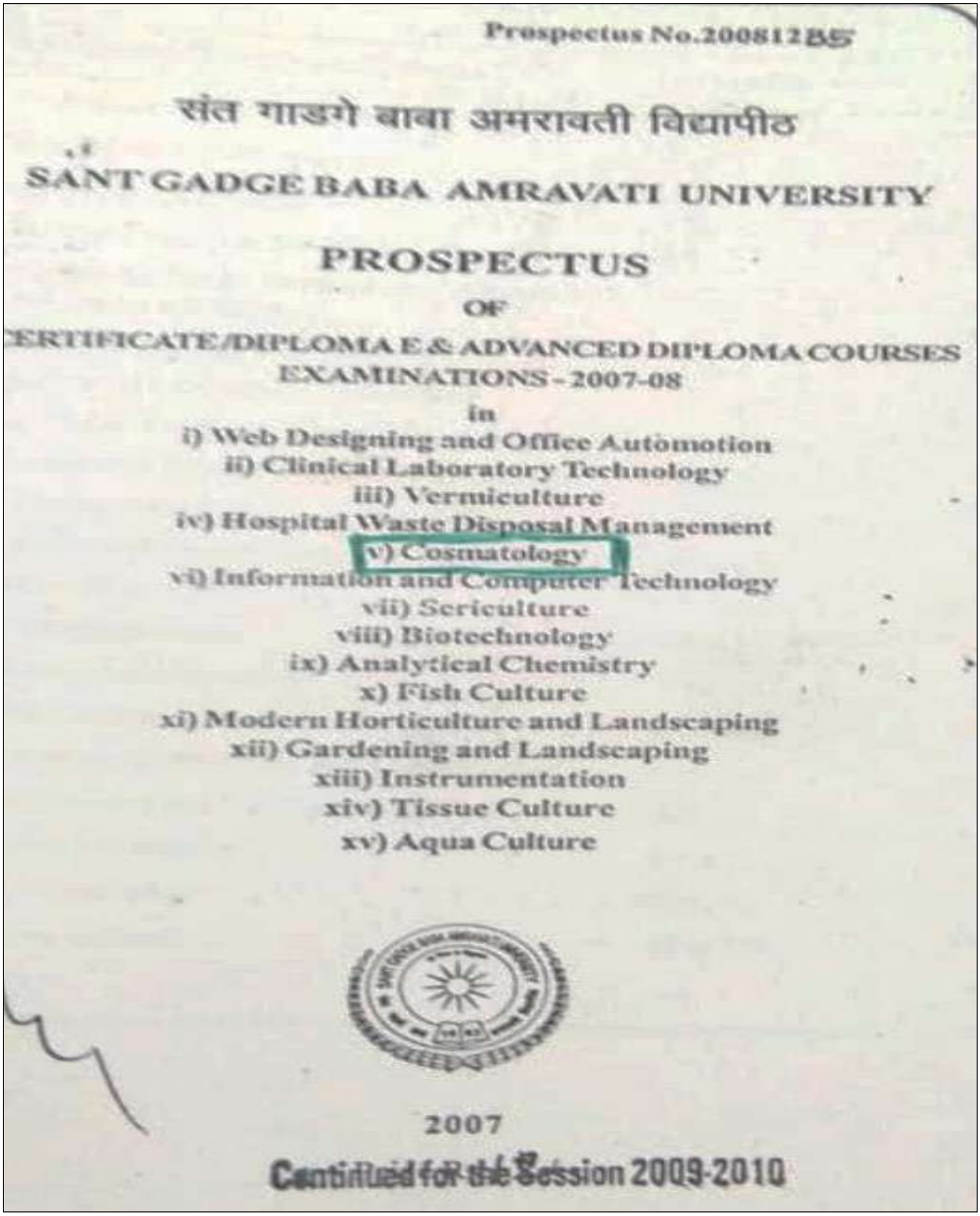
D. D. Khedkar
Convener Career Counselling Cell
Shri Shivaji Science College, Amravati

COURSE OUTCOMES:

1. Personal Grooming for international professions
2. Understanding and development of the Core Skills
3. Self-Evaluation
4. Personal upliftment

Dept. of Chemistry (COC-Cosmetology/ Certificate)

Name and Duration of the Program



Prospectus No.200812BS

संत गाडगे बाबा अमरावती विद्यापीठ

SANT GADGE BABA AMRAVATI UNIVERSITY

PROSPECTUS

OF

CERTIFICATE/DIPLOMA E & ADVANCED DIPLOMA COURSES

EXAMINATIONS - 2007-08

in

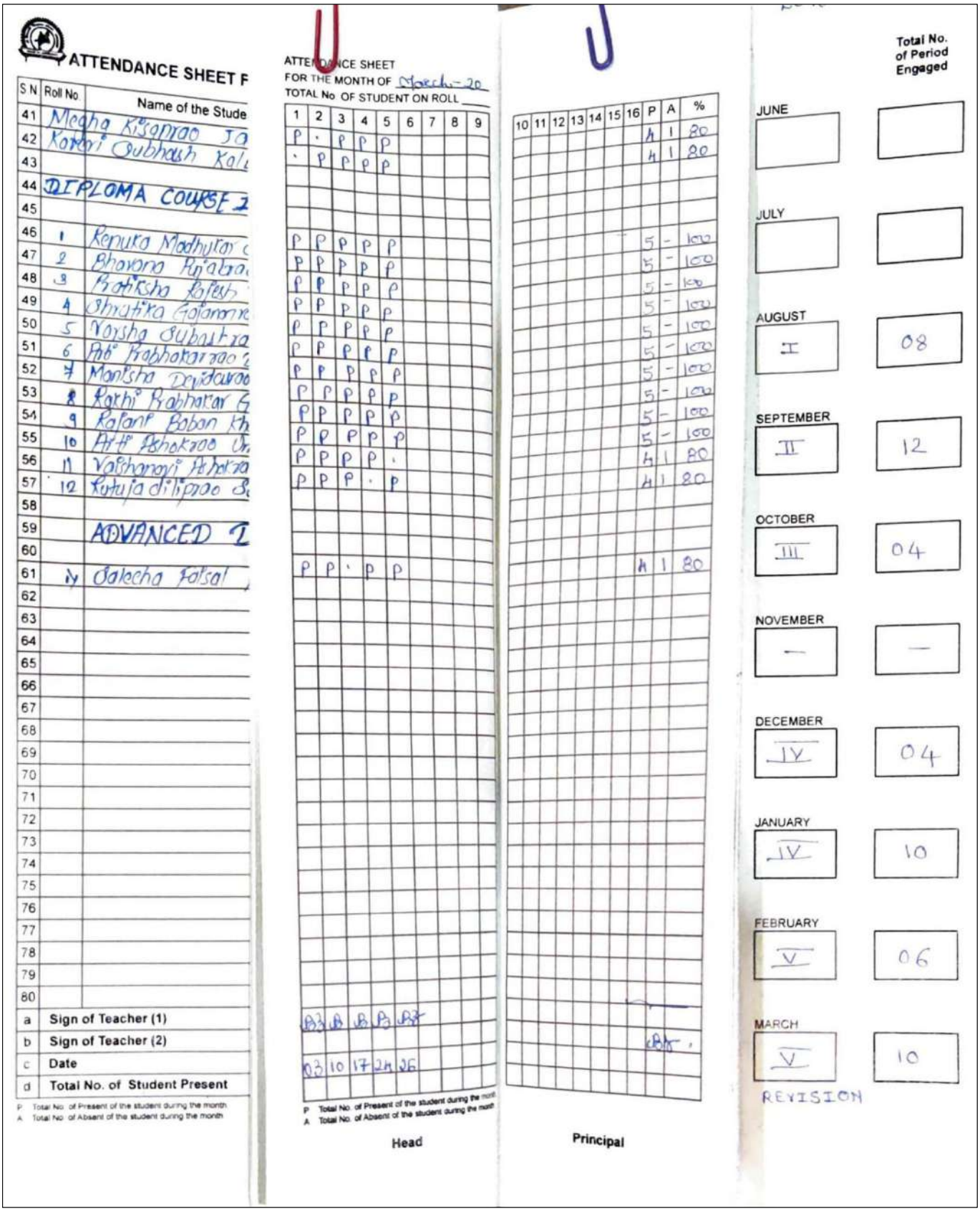
i) Web Designing and Office Automotion
ii) Clinical Laboratory Technology
iii) Vermiculture
iv) Hospital Waste Disposal Management
v) Cosmatology
vi) Information and Computer Technology
vii) Sericulture
viii) Biotechnology
ix) Analytical Chemistry
x) Fish Culture
xi) Modern Horticulture and Landscaping
xii) Gardening and Landscaping
xiii) Instrumentation
xiv) Tissue Culture
xv) Aqua Culture

2007

Continued for the Session 2009-2010

List of the Students Enrolled and Attendance

Sr.NO	Name of the Students
1	Nidhi Kamlesh Bajaj
2	SakshiShrikrishnaGade
3	VedeeDevidasKhirade
4	RohiniRajendraGadekar
5	VaishnaviGajananShirbhale
6	RutujaHansrajParkhi
7	Samiksha Vinod Deshbhratar
8	SnehaRavindraBhujade
9	SnchalwalmikraoWankhade
10	PayalSubashraoPohankar
11	BhogyashreeMadhukarThakre
12	Krutika VasantUndre
13	Yasmeen Fatima Abdul Samad
14	Aqsaa Ali Irfan Ali
15	SakshiSudhirDhurve
16	YogitaKeshavraoDongre
17	DikshaRavindraPagare
18	GitanjaliHaridasKonde
19	ShrutiSudhakarGanekar
20	Archana SureshraoKarale
21	Sushma Amol Mohod
22	RaginiAvinashIngole
23	Pooja DigambarWaghmare
24	RudraniDinkarZamare
25	MeghaGovardhanRathod
26	Kalyani Sanjay Wall
27	PunamRajendraNandeshwar
28	Kajal Ganesh Kochekar
29	Rita DevidasKamble
30	Radhika DevanandGawande
31	Snehal Anil Tayade
32	Radhika Gopal Jaulkar
33	HemaTabassumSKMatin Shaikh
34	AnjumunnisaAShakilNayak
35	Radhika SubasraoTayade
36	Nikita SubashraoPanzade
37	Prerna Raju Jakhad
38	VaibaibhiMangeshKshirsagar
39	Aditi Sunil Raut
40	PremlataLaxmanraoAucharmal
41	MeghaKisanraoDhadwe
42	Swati SureshraoJadhav
43	KaveriSubhashKalbande



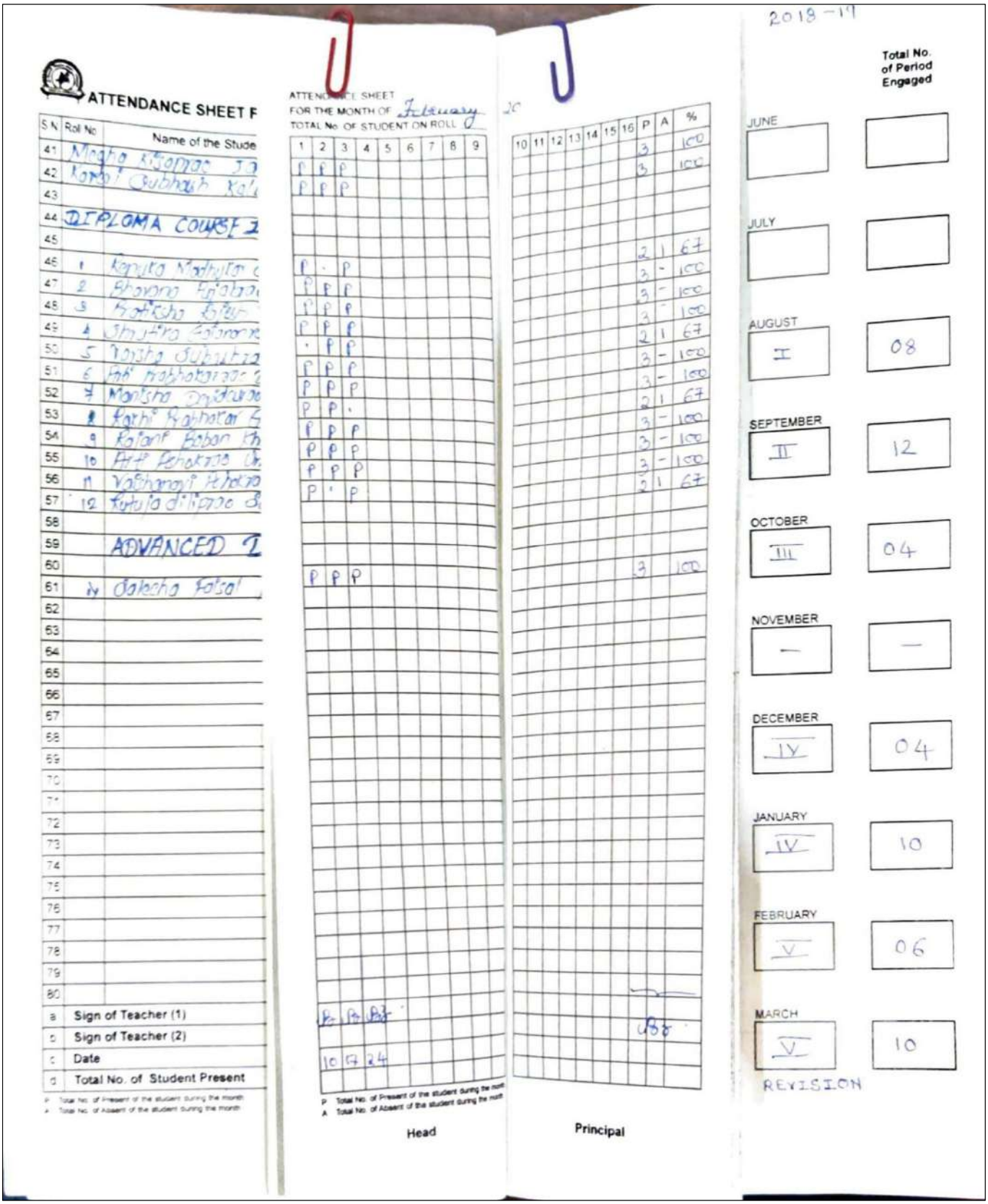
ATTENDANCE SHEET F

S N	Roll No.	Name of the Stude
41		Megha Kisanrao Ja
42		Kokari Subhash Kal
43		
44		DIPLOMA COURSE 2
45		
46	1	Kenuka Madhukar
47	2	Bhavana Rajabra
48	3	Prathiksha Rajesh
49	4	Shrutika Gajanan
50	5	Varsha Subhashra
51	6	Aho Prabhakarrao
52	7	Manisha Devidasrao
53	8	Rathi Prabhakar G
54	9	Rajani Baban Kh
55	10	Arti Ashokrao Un
56	11	Vaishanavi Ashokra
57	12	Kutuja dilipraa
58		
59		ADVANCED D
60		
61	iv	Saleeha Faisal
62		
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72		
73		
74		
75		
76		
77		
78		
79		
80		
a	Sign of Teacher (1)	
b	Sign of Teacher (2)	
c	Date	
d	Total No. of Student Present	

P Total No. of Present of the student during the month
A Total No. of Absent of the student during the month

ATTENDANCE SHEET
FOR THE MONTH OF March-20
TOTAL No. OF STUDENT ON ROLL

1	2	3	4	5	6	7	8	9
P	.	P	P	P				
.	P	P	P	P				
P	P	P	P	P				
P	P	P	P	P				
P	P	P	P	P				
P	P	P	P	P				
P	P	P	P	P				
P	P	P	P	P				
P	P	P	P	P				
P	P	P	P	P				
P	P	P	P	P				
P	P	P	P	P				
P	P	P	P	P				
P	P	P	.	P				
P	P	.	P	P				



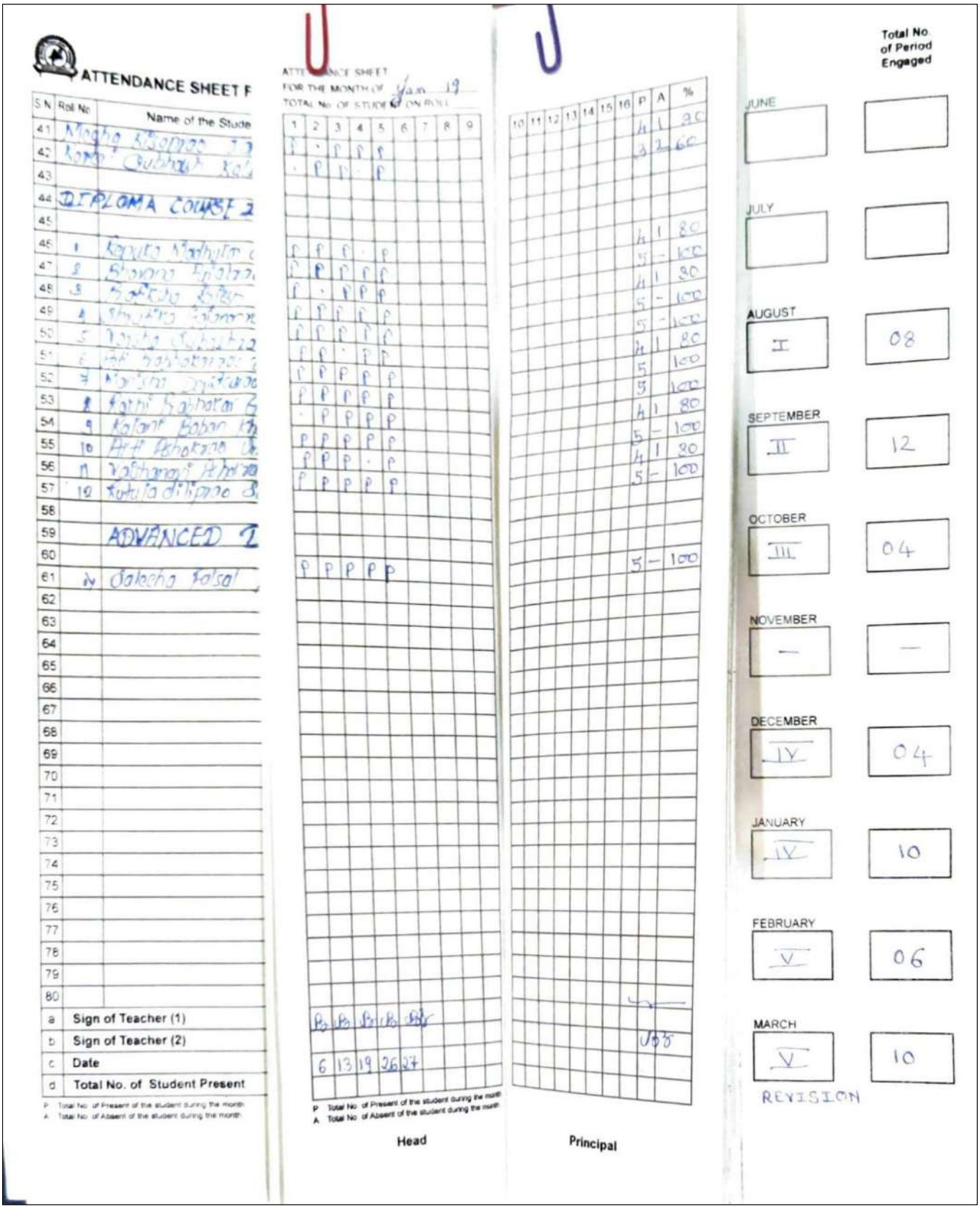
ATTENDANCE SHEET F

S.N	Roll No	Name of the Stude
41		Megha Kishore Ja
42		Kanoji Subhash Kal
43		
44		DIPLOMA COURSE I
45		
46	1	Kapuria Mathuria
47	2	Bhavna Rajkuma
48	3	Kanicha Kotar
49	4	Shrutika Laxmanra
50	5	Rosha Subhashra
51	6	Kum. Rathoriya
52	7	Manisha Dnyaneshw
53	8	Kum. Rathoriya S
54	9	Kalani Kishor Kh
55	10	Kum. Renukaja Ch
56	11	Vaishnavi Ashoka
57	12	Kavita dilipra B
58		
59		ADVANCED I
60		
61	14	Sakcha Kalsa
62		
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72		
73		
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75		
76		
77		
78		
79		
80		
a	Sign of Teacher (1)	
b	Sign of Teacher (2)	
c	Date	
d	Total No. of Student Present	

P Total No. of Present of the student during the month
A Total No. of Absent of the student during the month

ATTENDANCE SHEET
FOR THE MONTH OF February 20
TOTAL No. OF STUDENT ON ROLL 9

1	2	3	4	5	6	7	8	9	P	A	%
P	P	P							3		100
P	P	P							3		100
P	.	P							2	1	67
P	P	P							3	-	100
P	P	P							3	-	100
P	P	P							3	-	100
.	P	P							2	1	67
P	P	P							3	-	100
P	P	P							3	-	100
P	P	.							2	1	67
P	P	P							3	-	100
P	P	P							3	-	100
P	P	P							3	-	100
P	.	P							2	1	67
P	P	P							3		100



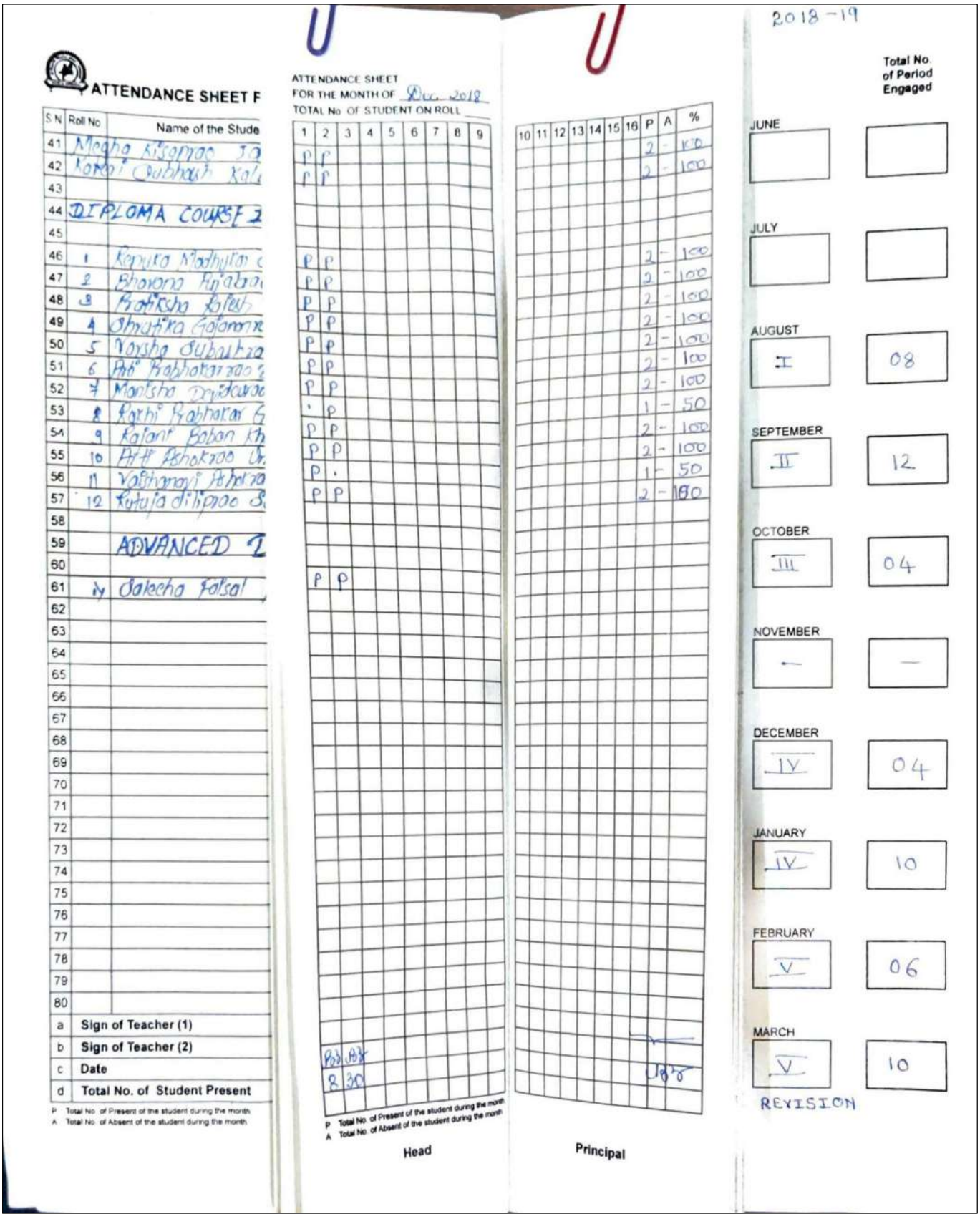
ATTENDANCE SHEET F

S.N.	Roll No	Name of the Stude
41		
42		
43		
44		DIPLOMA COURSE I
45		
46		
47		
48		
49		
50		
51		
52		
53		
54		
55		
56		
57		
58		
59		ADVANCED I
60		
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67		
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72		
73		
74		
75		
76		
77		
78		
79		
80		
a	Sign of Teacher (1)	
b	Sign of Teacher (2)	
c	Date	
d	Total No. of Student Present	

P Total No. of Present of the student during the month
A Total No. of Absent of the student during the month

ATTENDANCE SHEET
FOR THE MONTH OF Jan 19
TOTAL No. OF STUDENTS ON ROLL

1	2	3	4	5	6	7	8	9
P	·	P	P	P				
·	P	P	·	P				
P	P	P	·	P				
P	P	P	P	P				
P	P	P	P	P				
P	P	P	P	P				
P	P	P	P	P				
P	P	P	·	P				
P	P	P	P	P				
P	P	P	P	P				



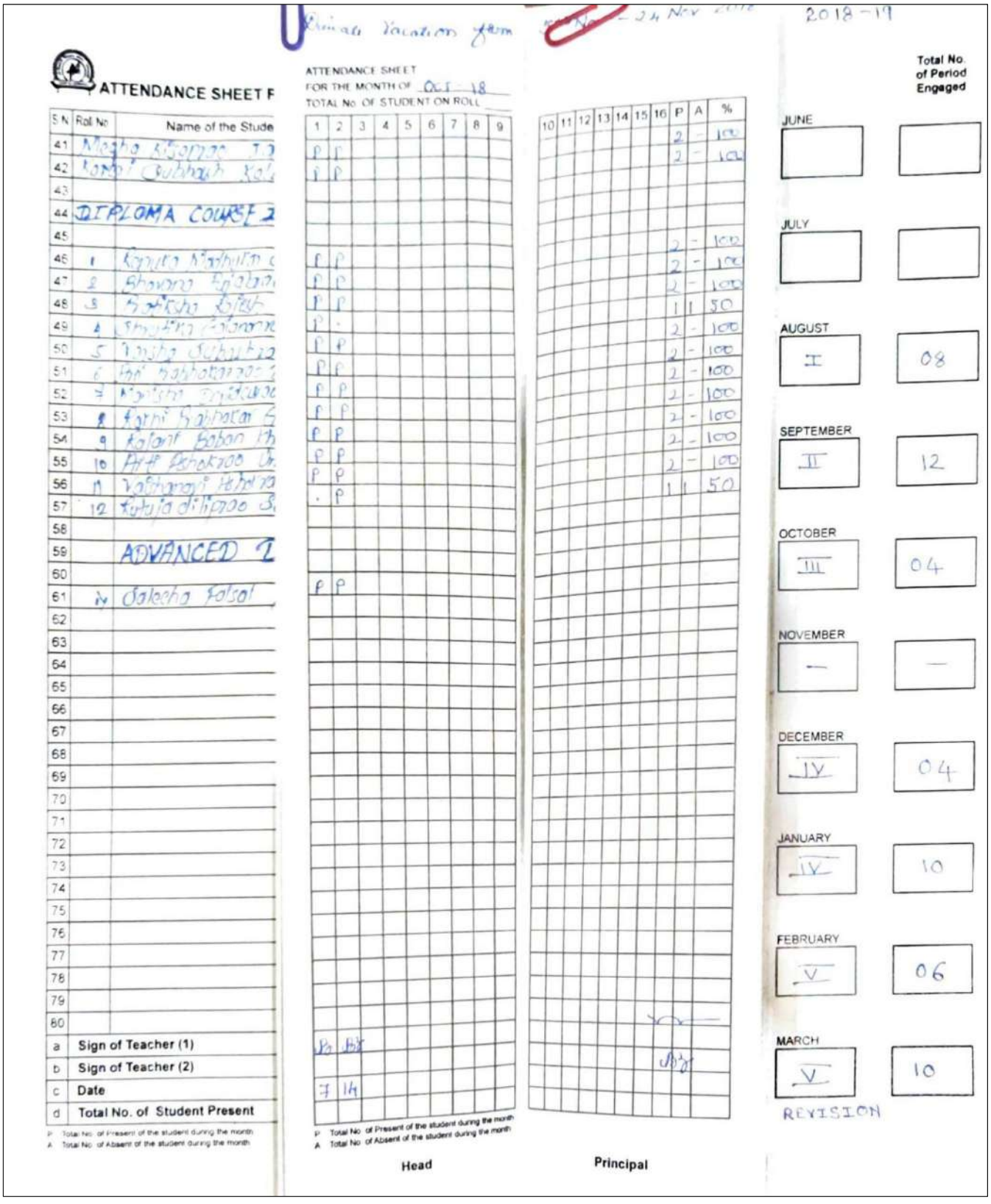
ATTENDANCE SHEET F

S.N	Roll No	Name of the Stude
41		Megha Kisanrao Ja
42		Komal Subhash Kal
43		
44		DIPLOMA COURSE 2
45		
46	1	Kavita Madhukar
47	2	Bhavana Rajabau
48	3	Rakhsha Rafeek
49	4	Shraddha Gajanan
50	5	Varsha Subhash
51	6	Mrs Rajhakar Rao
52	7	Manisha Digambar
53	8	Kavita Rajhakar G
54	9	Kalani Gopan Kh
55	10	Arti Ashok Rao U
56	11	Vaishnavi Ashok
57	12	Kavita dilip Rao
58		
59		ADVANCED D
60		
61	14	Saleeha Faisal
62		
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74		
75		
76		
77		
78		
79		
80		
a	Sign of Teacher (1)	
b	Sign of Teacher (2)	
c	Date	
d	Total No. of Student Present	

P Total No. of Present of the student during the month
A Total No. of Absent of the student during the month

ATTENDANCE SHEET
FOR THE MONTH OF Dec. 2018
TOTAL No. OF STUDENT ON ROLL

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	P	A	%
P	P															2	-	100
P	P															2	-	100
P	P															2	-	100
P	P															2	-	100
P	P															2	-	100
P	P															2	-	100
P	P															2	-	100
P	P															2	-	100
P	P															2	-	100
.	P															1	-	50
P	P															2	-	100
P	P															2	-	100
P	.															1	-	50
P	P															2	-	100
P	P																	



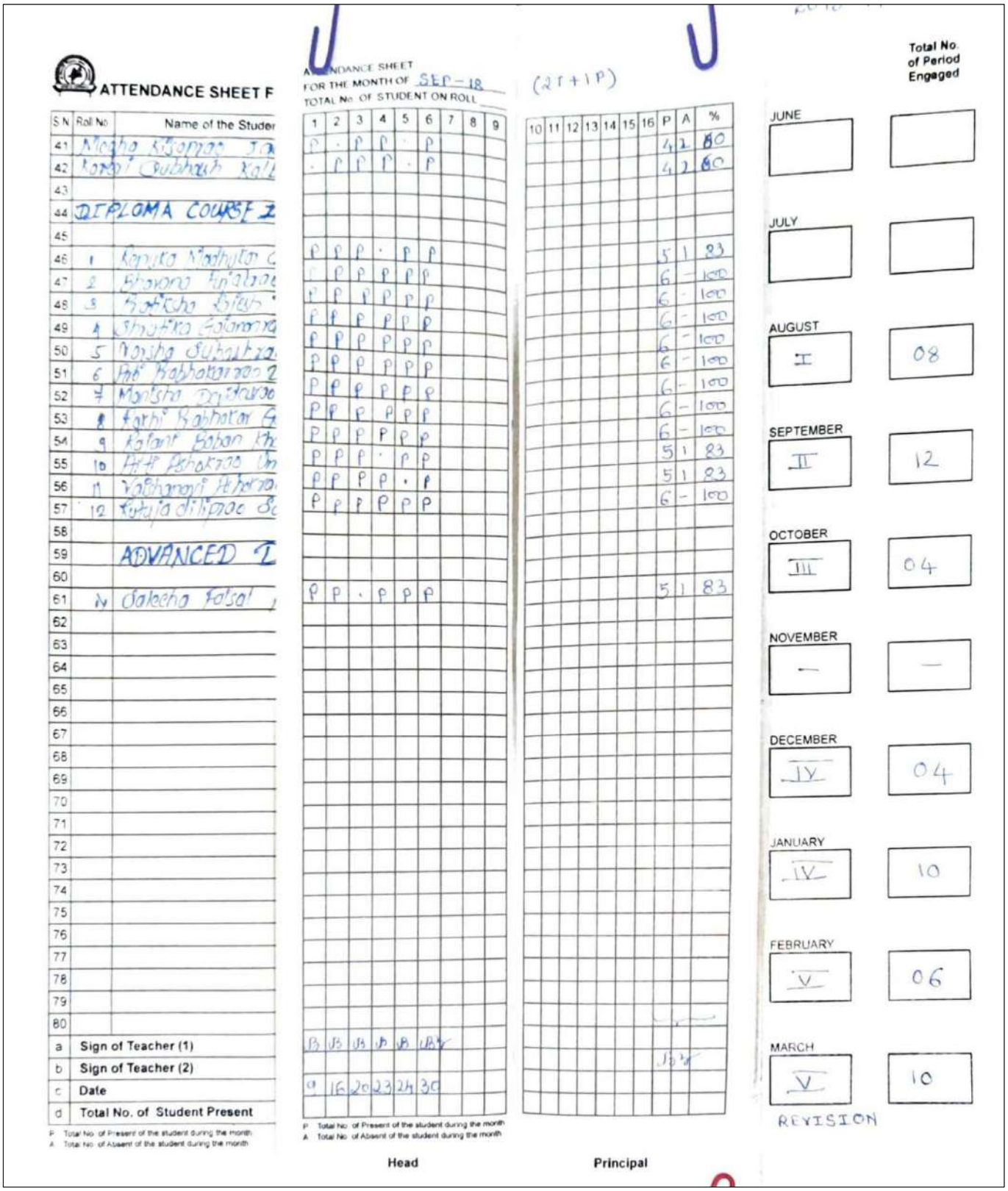
ATTENDANCE SHEET F

S.N	Roll No	Name of the Stude
41		
42		
43		
44		DIPLOMA COURSE 2
45		
46	1	
47	2	
48	3	
49	4	
50	5	
51	6	
52	7	
53	8	
54	9	
55	10	
56	11	
57	12	
58		
59		ADVANCED D
60		
61	14	
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74		
75		
76		
77		
78		
79		
80		
a	Sign of Teacher (1)	
b	Sign of Teacher (2)	
c	Date	
d	Total No. of Student Present	

P Total No. of Present of the student during the month
A Total No. of Absent of the student during the month

ATTENDANCE SHEET
FOR THE MONTH OF Oct 18
TOTAL No. OF STUDENT ON ROLL

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	P	A	%
P	P															2	-	100
P	P															2	-	100
P	P															2	-	100
P	P															2	-	100
P	P															2	-	100
P	-															1	1	50
P	P															2	-	100
P	P															2	-	100
P	P															2	-	100
P	P															2	-	100
P	P															2	-	100
P	P															2	-	100
P	P															2	-	100
.	P															1	1	50
P	P																	



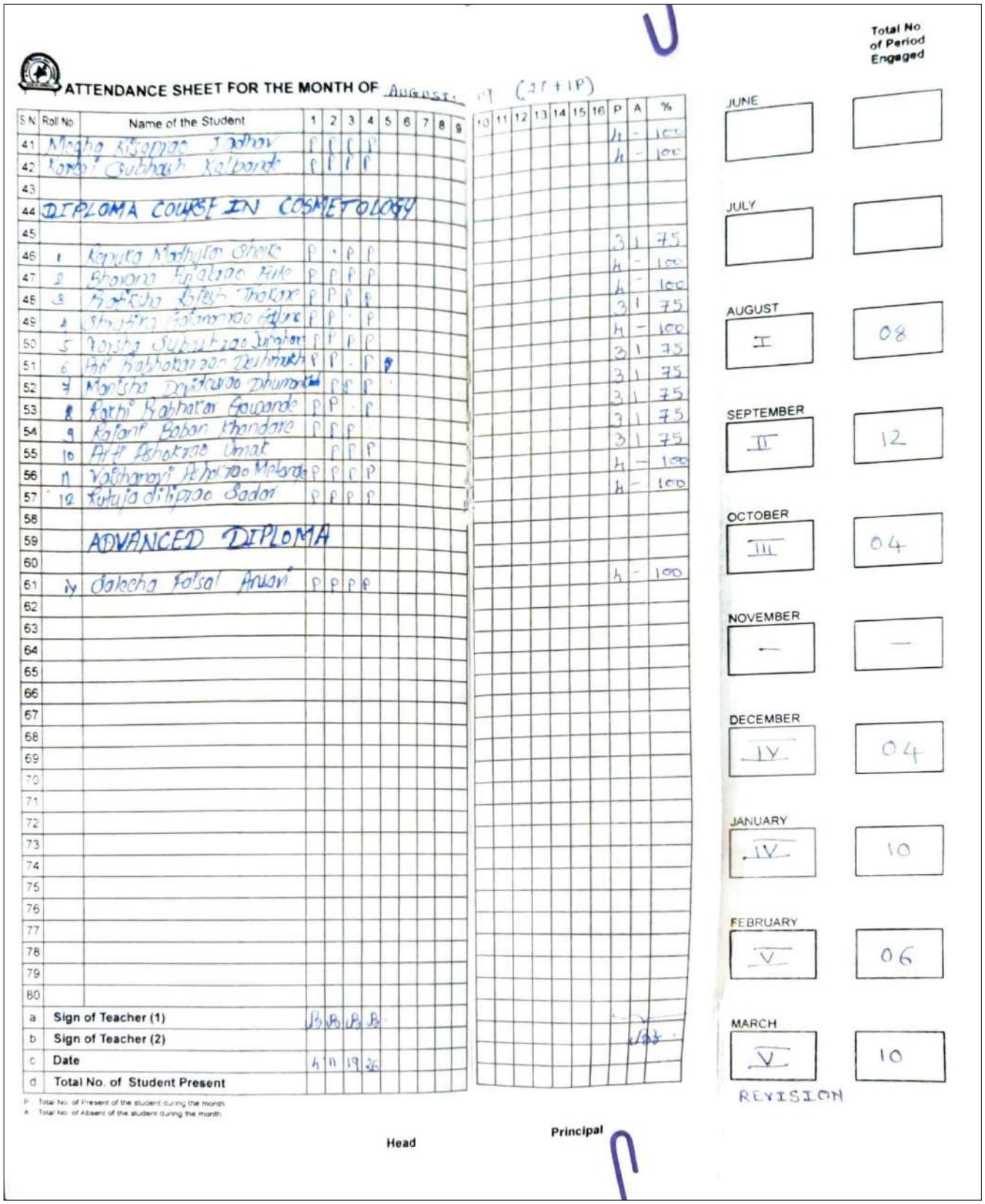
ATTENDANCE SHEET F

S N	Roll No	Name of the Studer
41		Megha Rajaram Ja
42		Kanoj Subhash Kal
43		
44		DIPLOMA COURSE I
45		
46	1	Kavita Madhukar G
47	2	Bhavana Tipalrao
48	3	Sarika Rajesh
49	4	Snehika Gajanan
50	5	Vaishu Subhash
51	6	Miss Kashinath
52	7	Manisha Digambar
53	8	Tarni Kashinath G
54	9	Rutuja Rajan Kh
55	10	Miss Bhaskar Un
56	11	Vaishnavi Hemra
57	12	Kavita dilipRao Sa
58		
59		ADVANCED I
60		
61	N	Sakecha Kalsa
62		
63		
64		
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69		
70		
71		
72		
73		
74		
75		
76		
77		
78		
79		
80		
a	Sign of Teacher (1)	
b	Sign of Teacher (2)	
c	Date	
d	Total No. of Student Present	

P Total No. of Present of the student during the month
A Total No. of Absent of the student during the month

ATTENDANCE SHEET
FOR THE MONTH OF SEP-18
TOTAL No. OF STUDENT ON ROLL (2T+1P)

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	P	A	%
P	.	P	P	.	P											4	2	80
.	P	P	P	.	P											4	2	80
P	P	P	.	P	P											5	1	83
P	P	P	P	P	P											6	-	100
P	P	P	P	P	P											6	-	100
P	P	P	P	P	P											6	-	100
P	P	P	P	P	P											6	-	100
P	P	P	P	P	P											6	-	100
P	P	P	P	P	P											6	-	100
P	P	P	P	P	P											6	-	100
P	P	P	P	P	P											6	-	100
P	P	P	.	P	P											5	1	83
P	P	P	P	.	P											5	1	83
P	P	P	P	P	P											6	-	100
P	P	.	P	P	P											5	1	83



ATTENDANCE SHEET FOR THE MONTH OF AUGUST. (2T + 1P)

S.N.	Roll No	Name of the Student	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	P	A	%
41		Megha Kishorrao Jadhav	P	P	P	P													H	-	100
42		Komal Subhash Kalbande	P	P	P	P													H	-	100
43																					
44		DIPLOMA COURSE IN COSMETOLOGY																			
45																					
46	1	Kavita Madhukar Shirke	P	P	P	P													3	1	75
47	2	Bhavna Khalabai Kale	P	P	P	P													H	-	100
48	3	Ankita Kiran Thakare	P	P	P	P													H	-	100
49	4	Shrijana Gajanan Ade	P	P	P	P													3	1	75
50	5	Varsha Subhashrao Jirapure	P	P	P	P													H	-	100
51	6	Ku. Kashtakarrao Deshmukh	P	P	P	P													3	1	75
52	7	Manisha Digambarrao Dhumane	P	P	P	P													3	1	75
53	8	Jyothi Kashinath Gaugande	P	P	P	P													3	1	75
54	9	Kalpana Baban Khandare	P	P	P	P													3	1	75
55	10	Ku. Ashakrao Umat	P	P	P	P													3	1	75
56	11	Vaishnavi Hiraman Malode	P	P	P	P													H	-	100
57	12	Kavita Diliprao Sadar	P	P	P	P													H	-	100
58																					
59		ADVANCED DIPLOMA																			
60																					
61	iv	Dalecha Faisal Anwar	P	P	P	P													H	-	100
62																					
63																					
64																					
65																					
66																					
67																					
68																					
69																					
70																					
71																					
72																					
73																					
74																					
75																					
76																					
77																					
78																					
79																					
80																					
a		Sign of Teacher (1)																			
b		Sign of Teacher (2)																			
c		Date	4	11	19	26															
d		Total No. of Student Present																			

P Total No. of Present of the student during the month
A Total No. of Absent of the student during the month

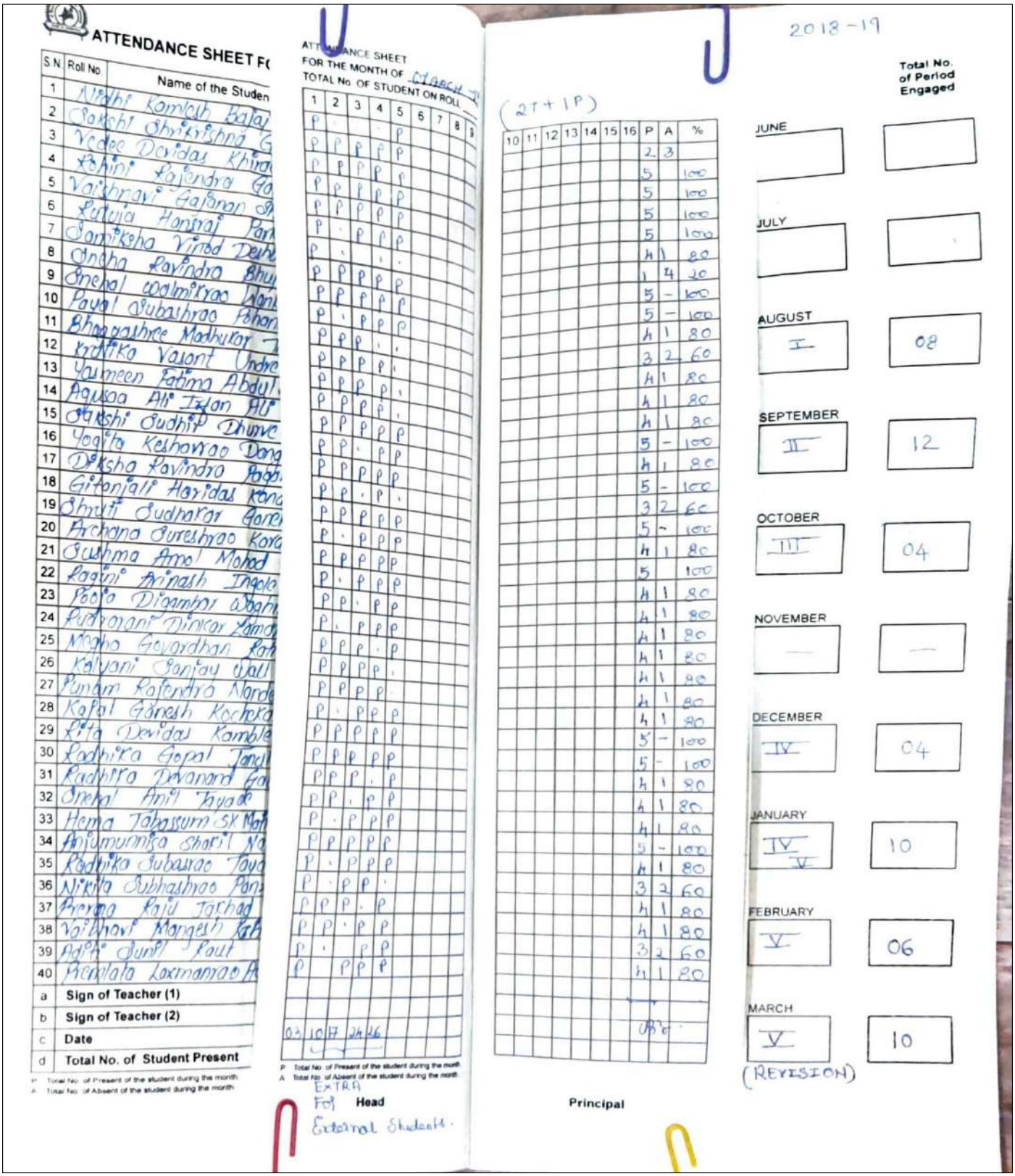
Head

Principal

Total No. of Period Engaged

JUNE	
JULY	
AUGUST	I — 08
SEPTEMBER	II — 12
OCTOBER	III — 04
NOVEMBER	— —
DECEMBER	IV — 04
JANUARY	IV — 10
FEBRUARY	V — 06
MARCH	V — 10

REVISION



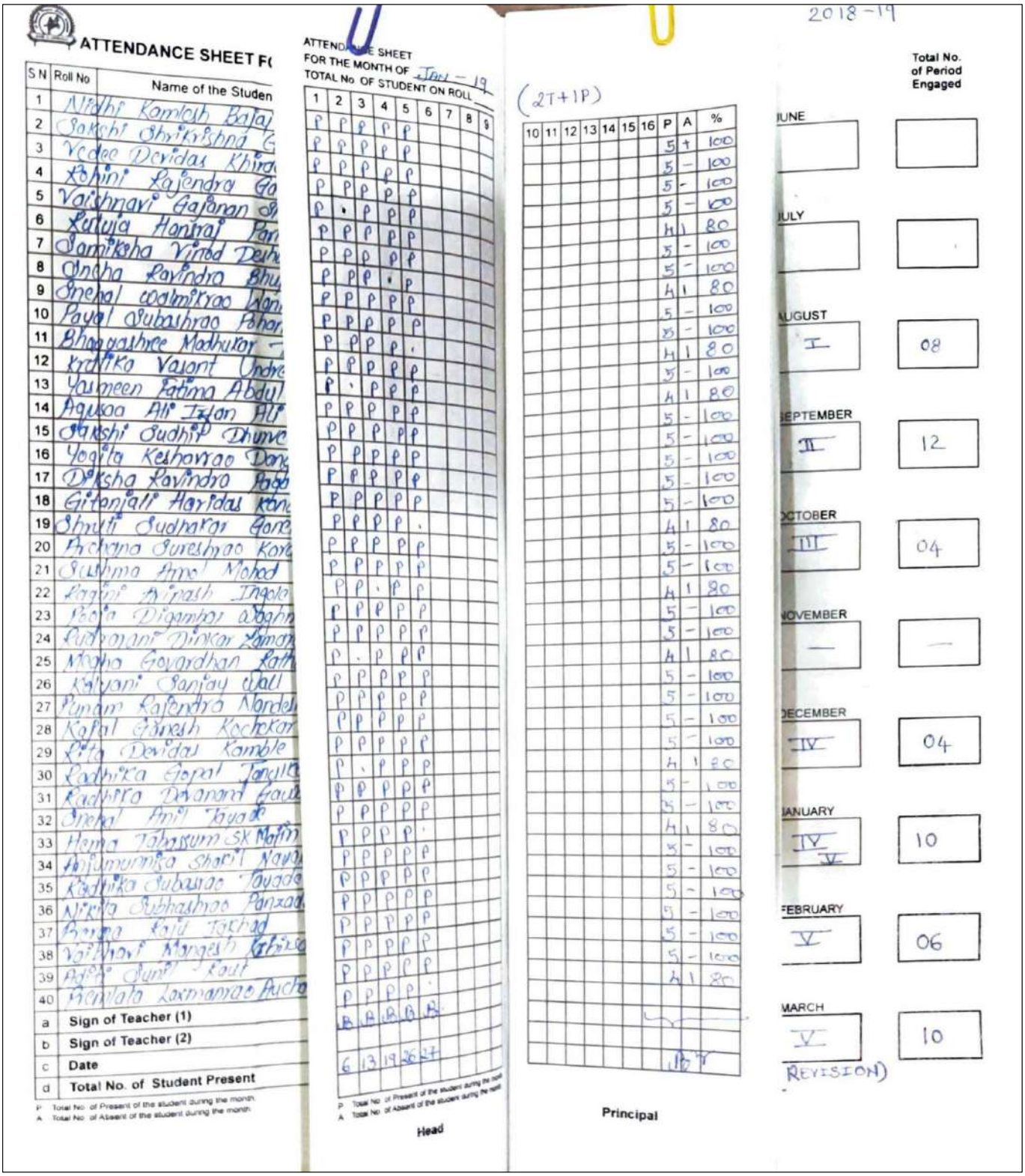
ATTENDANCE SHEET FOR THE MONTH OF

S.N.	Roll No	Name of the Student
1		Nilesh Kamlesh Balaj
2		Sakshi Shrikrishna G
3		Vedee Devidas Khira
4		Rohini Rajendra Go
5		Vaishnavi Gajanan S
6		Rutuja Hansraj Par
7		Samiksha Vinod Deshl
8		Sneha Ravindra Bhu
9		Sneha Waimirao Mon
10		Payal Subashrao Mohan
11		Bhagyashree Madhukar T
12		Radhika Vasant Undre
13		Yasmeen Fatima Abdul
14		Aqsaa Ali Irfan Ali
15		Ayushi Sudhir Dhurve
16		Yogita Keshavrao Dong
17		Diksha Ravindra Bhoj
18		Gitanjali Haridas Kanc
19		Shruti Sudhakar Gore
20		Archana Sureshrao Kora
21		Sushma Amol Mohod
22		Ragini Avinash Ingole
23		Pooja Digambar Bhagat
24		Pushpanjali Dinkar Zamad
25		Megha Govardhan Rath
26		Kalyani Sanjay Wall
27		Punam Rajendra Narde
28		Kajal Ganesh Kochka
29		Rita Devidas Kamble
30		Radhika Gopal Jangl
31		Radhika Devanand Gan
32		Sneha Anil Tayade
33		Hema Tabassum SK Mah
34		Anjumunnisa Shaik Na
35		Radhika Subasrao Taya
36		Nikita Subhashrao Pan
37		Prerana Raju Jathad
38		Vaishnavi Mangesh Kal
39		Aditi Sunil Raut
40		Pavilata Laxmanrao H
a		Sign of Teacher (1)
b		Sign of Teacher (2)
c		Date
d		Total No. of Student Present

P Total No. of Present of the student during the month.
A Total No. of Absent of the student during the month.

ATTENDANCE SHEET
FOR THE MONTH OF MARCH
TOTAL No. OF STUDENT ON ROLL

1	2	3	4	5	6	7	8	9
A			P	P				
P	P	P	P	P				
P	P	P	P	P				
P	P	P	P	P				
P	P	P	P	P				
P		P	P	P				
P								
P	P	P	P	P				
P	P	P	P	P				
P		P	P	P				
P	P	P	P	P				
P	P	P	P	P				
P	P		P	P				
P	P	P	P	P				
P		P	P	P				
P	P	P	P	P				
P	P	P	P	P				
P	P



ATTENDANCE SHEET F(

S N	Roll No	Name of the Studen
1		Nidhi Kamlesh Bajaj
2		Sakshi Shrikrishna G
3		Vedee Devidas Khira
4		Rohini Rajendra Go
5		Vaishnavi Gajanan S
6		Kutuja Hansraj Par
7		Samiksha Vinod Deth
8		Ansha Ravindra Bhu
9		Snehal Walmikrao Wan
10		Payal Subashrao Bhor
11		Bhagyashree Madhukar
12		Kratika Vasant Undre
13		Yasmeen Fatima Abdul
14		Aqsaa Ali Izhar Ali
15		Sakshi Sudhir Dhurve
16		Yogita Keshavrao Dong
17		Diksha Ravindra Bade
18		Gitanjali Haridas Kan
19		Shruti Sudhakar Gore
20		Archana Sureshrao Kor
21		Sushma Amol Mohod
22		Pragati Avinash Ingole
23		Pooja Digambar Waghm
24		Sudhanshi Dinkar Zamar
25		Megha Goyardhan Rath
26		Kalyani Sanjay Wall
27		Punam Rajendra Nandek
28		Kajal Ganesh Kachakar
29		Rita Devidas Kamble
30		Radhika Gopal Tangal
31		Radhika Dhanaraj Gaud
32		Snehal Anil Tayade
33		Hema Tahassum SK Nafim
34		Anjumunisa Shaik Nayu
35		Radhika Subarao Tayade
36		Nikita Subhashrao Panzad
37		Pooja Kalu Jadhao
38		Vaishnavi Mangesh Ghiye
39		Rafia Sunil Raut
40		Pavitala Laxmanrao Aucha
a	Sign of Teacher (1)	
b	Sign of Teacher (2)	
c	Date	
d	Total No. of Student Present	

P Total No. of Present of the student during the month
A Total No. of Absent of the student during the month

ATTENDANCE SHEET
FOR THE MONTH OF Jan – 19
TOTAL No. OF STUDENT ON ROLL

1	2	3	4	5	6	7	8	9
P	P	P	P	P				
P	P	P	P	P				
P	P	P	P	P				
P	P	P	P	P				
P	.	P	P	P				
P	P	P	P	P				
P	P	P	P	P				
P	P	P	P	.				
P	P	P	.	P				
P	P	P	P	P				
P	P	P	P	P				
P	P	P	P	P				
P	P	P	P	P				
P	P	P	P	.				
P	P	P	P	P				
P	P	P	P	P				
P	.	P	P	P				
P	P	P	P	P				
P	P	P	P	P				
P	P	P	P	P				
P	P	P	P	P				
P	P	P	P	P				
P	P	P	P	P				
P	P	P	P	P				
P	P	P	P	P				
P	P	P	P	P				
P	P	P	P	P				
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P	P	P	P	P				
P	P	P	P	P				
P	P	P	P	P				
P	P	P	P	P				
P	P	P	P	P				
P	P	P	P	P				
P	P	P	P	P				
P	P	P	P	P				
P	P	P	P	.				
P	P	P	P	.				
B	B	B	B	B				
6	13	19	26	27				

P Total No. of Present of the student during the month
A Total No. of Absent of the student during the month

Head

(2T+1P)

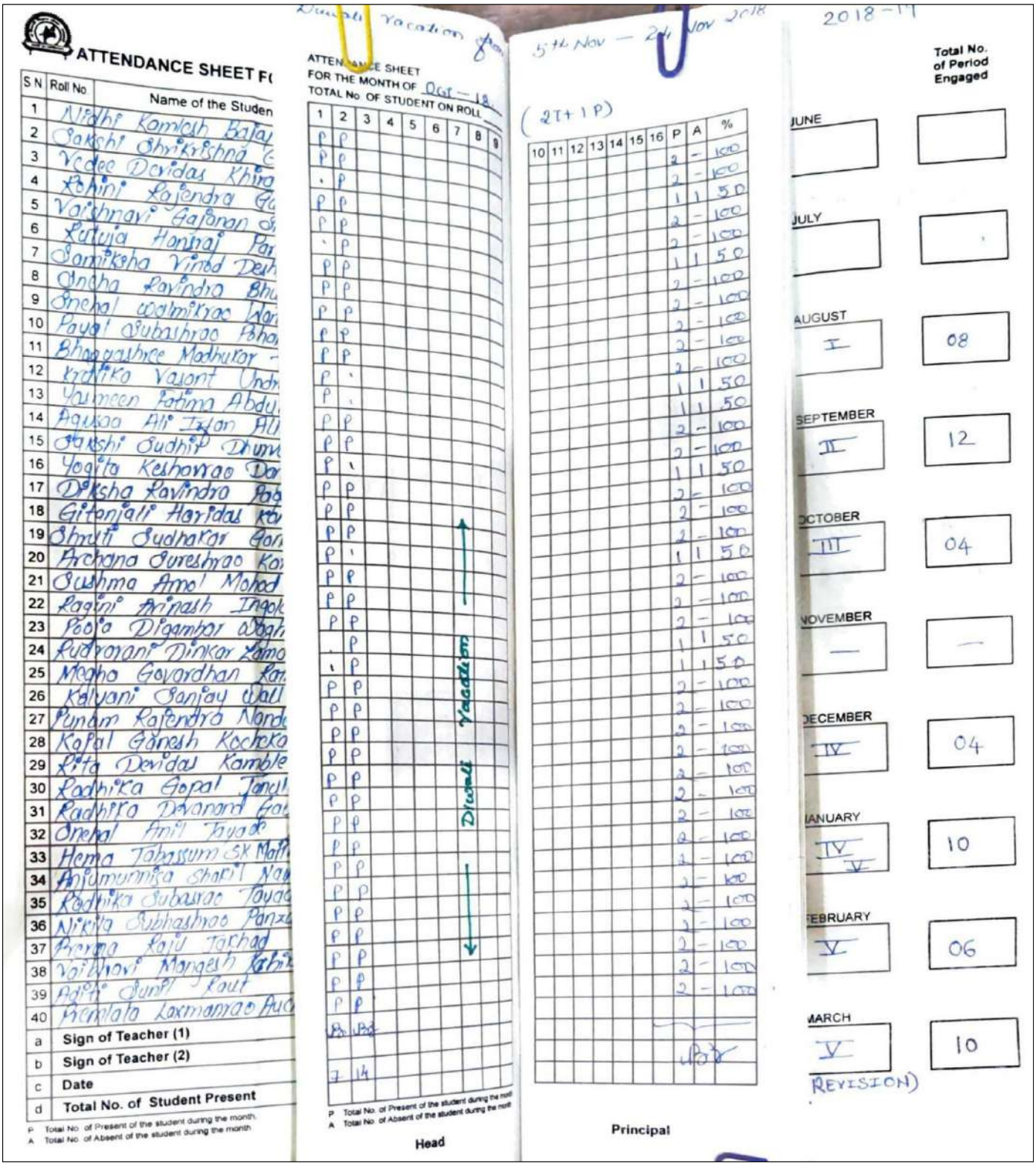
10	11	12	13	14	15	16	P	A	%
							5	-	100
							5	-	100
							5	-	100
							5	-	100
							4	1	80
							5	-	100
							5	-	100
							4	1	80
							5	-	100
							5	-	100
							4	1	80
							5	-	100
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							5	-	100
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							4	1	80
							5	-	100
							5	-	100
							4	1	80
							5	-	100
							5	-	100
							5	-	100
							5	-	100
							5	-	100
							4	1	80
							162	7	

Principal

2018-19

	Total No. of Period Engaged
JUNE	
JULY	
AUGUST	I — 08
SEPTEMBER	II — 12
OCTOBER	III — 04
NOVEMBER	— —
DECEMBER	IV — 04
JANUARY	IV V — 10
FEBRUARY	V — 06
MARCH	V — 10

REVISION)



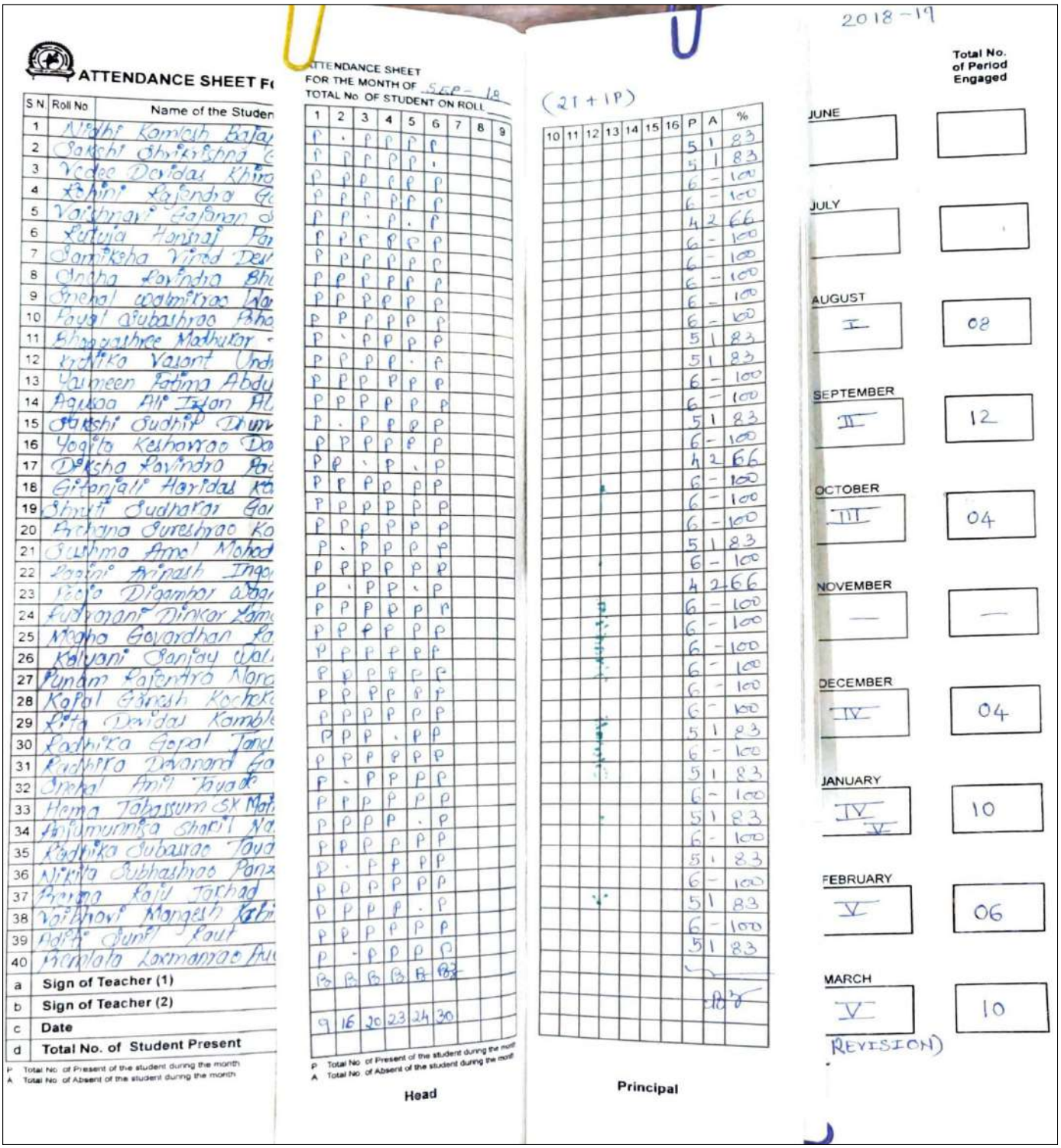
ATTENDANCE SHEET F(

S N	Roll No	Name of the Studen
1		Nidhi Kamlesh Bajaj
2		Sakshi Shrikrishna G
3		Vedee Devidas Khira
4		Rohini Rajendra Gu
5		Vaishnavi Gajanan Sh
6		Kavya Hanraj Par
7		Samiksha Vinod Desh
8		Sneha Ravindra Bhu
9		Sneha Vasantrao Wan
10		Payal Subashrao Pohan
11		Bhagyashree Madhukar -
12		Radhika Vasant Undi
13		Yasmeen Fatima Abdu
14		Aqsaa Ali Izhar Ali
15		Sakshi Sudhir Dhurv
16		Yogita Keshavrao Dar
17		Diksha Ravindra Bab
18		Gitanjali Haridas Kal
19		Shruti Sudhakar Gan
20		Archana Sureshrao Kol
21		Sushma Amol Mohod
22		Ragini Avinash Ingol
23		Pooja Digambar Wagh
24		Rudrarani Dinkar Lamb
25		Megha Govardhan Kan
26		Kalyani Sanjay Wall
27		Punam Rajendra Nand
28		Kajal Ganesh Kachka
29		Rita Devidas Kamble
30		Radhika Gopal Tanul
31		Radhika Devanand Gaj
32		Sneha Anil Tayade
33		Hema Tabassum SK Mafi
34		Anjumunnisa Shanil Nay
35		Radhika Subasrao Tayad
36		Nikita Rubhashrao Panz
37		Prerna Raju Tarhad
38		Vaishnavi Mangesh Kahi
39		Aditi Sunil Raut
40		Premlata Laxmanrao Aud
a	Sign of Teacher (1)	
b	Sign of Teacher (2)	
c	Date	
d	Total No. of Student Present	

P Total No. of Present of the student during the month
A Total No. of Absent of the student during the month

ATTENDANCE SHEET
FOR THE MONTH OF Oct – 18
TOTAL No. OF STUDENT ON ROLL

1	2	3	4	5	6	7	8	9
P	P							
P	P							
.	P							
P	P							
P	P							
.	P							
P	P							
P	P							
P	P							
P	P							
P	.							
P	.							
P	P							
P	P							
P	\							
P	P							
P	P							
P	P							
P	\							
P	P							
P	P							
P	P							
.	P							
\	P							
P	P							
P	P							
P	P							
P	P							
P



ATTENDANCE SHEET FOR THE MONTH OF SEP - 18

TOTAL No. OF STUDENT ON ROLL

2018-19

Total No. of Period Engaged

S.N.	Roll No	Name of the Student
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
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22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
40		
a	Sign of Teacher (1)	
b	Sign of Teacher (2)	
c	Date	9 16 20 23 24 30
d	Total No. of Student Present	

P Total No. of Present of the student during the month
A Total No. of Absent of the student during the month

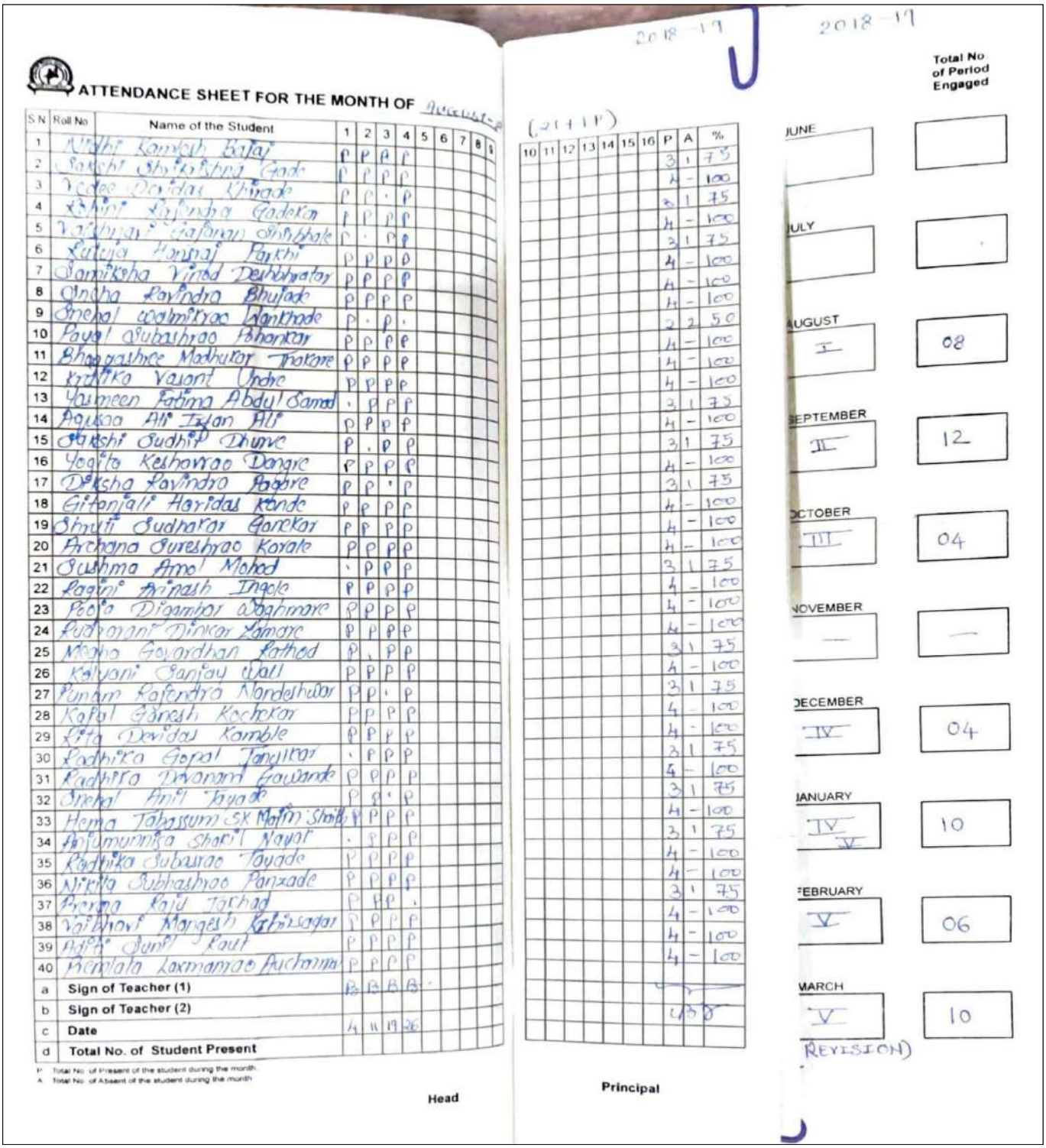
Head

(21 + 1P)

Principal

	Total No. of Period Engaged
JUNE	
JULY	
AUGUST I	08
SEPTEMBER II	12
OCTOBER III	04
NOVEMBER —	—
DECEMBER IV	04
JANUARY IV V	10
FEBRUARY V	06
MARCH V	10

(REVISION)



ATTENDANCE SHEET FOR THE MONTH OF AUGUST-18

2018-19

S.N	Roll No	Name of the Student	1	2	3	4	5	6	7	8
1		Ashi Ramesh Bajaj	P	P	A	P				
2		Sakshi Shrikrishna Gade	P	P	P	P				
3		Vedant Devidas Khirade	P	P	.	P				
4		Rishi Rajendra Gadekar	P	P	P	P				
5		Vaishnavi Gajanan Shirbhate	P	.	P	P				
6		Sakshi Hansraj Pakhi	P	P	P	P				
7		Sanjiksha Vinod Deshbhratar	P	P	P	P				
8		Ansha Ravindra Bhutade	P	P	P	P				
9		Sneha Waliniraj Wankhade	P	.	P	.				
10		Payal Subashrao Bhankar	P	P	P	P				
11		Bhagyashree Madhukar Thakare	P	P	P	P				
12		Radhika Vasant Undre	P	P	P	P				
13		Yasmeen Fatima Abdul Samad	.	P	P	P				
14		Aqsa Ali Izhar Ali	P	P	P	P				
15		Ankshi Sudhir Dhurve	P	.	P	P				
16		Yogita Keshavrao Dangre	P	P	P	P				
17		Diksha Ravindra Bagare	P	P	.	P				
18		Gitanjali Haridas Kande	P	P	P	P				
19		Shruti Sudhakar Gorekar	P	P	P	P				
20		Archana Sureshrao Korate	P	P	P	P				
21		Sushma Amol Mohod	.	P	P	P				
22		Pagini Avinash Ingole	P	P	P	P				
23		Pooja Digambar Waghmare	P	P	P	P				
24		Pushpanjali Dinkar Lamare	P	P	P	P				
25		Megha Goverdhan Rathod	P	.	P	P				
26		Kalyani Sanjay Wall	P	P	P	P				
27		Punam Rajendra Nandeshwar	P	P	.	P				
28		Kajal Ganesh Kochkar	P	P	P	P				
29		Kirti Devidas Komble	P	P	P	P				
30		Radhika Gopal Jangikar	.	P	P	P				
31		Radhika Devanand Gawande	P	P	P	P				
32		Sneha Anil Tayade	P	P	.	P				
33		Hema Tabassum SK Matin Shaikh	P	P	P	P				
34		Anjumunnisa Shakil Nayal	.	P	P	P				
35		Radhika Subarao Tayade	P	P	P	P				
36		Nikita Subhashrao Panzade	P	P	P	P				
37		Pooja Raju Jathad	P	P	P	.				
38		Vaishnavi Mangesh Kalbisagar	P	P	P	P				
39		Ajay Sunil Paul	P	P	P	P				
40		Premlata Laxmanrao Ajchamma	P	P	P	P				
a		Sign of Teacher (1)								
b		Sign of Teacher (2)								
c		Date	4	11	19	26				
d		Total No. of Student Present								

P Total No. of Present of the student during the month
A Total No. of Absent of the student during the month

Head

(2 + 1 P)

10	11	12	13	14	15	16	P	A	%
							3	1	75
							4	-	100
							3	1	75
							4	-	100
							3	1	75
							4	-	100
							4	-	100
							4	-	100
							2	2	50
							4	-	100
							4	-	100
							4	-	100
							3	1	75
							4	-	100
							3	1	75
							4	-	100
							4	-	100
							4	-	100
							3	1	75
							4	-	100
							4	-	100
							4	-	100
							3	1	75
							4	-	100
							3	1	75
							4	-	100
							3	1	75
							4	-	100
							3	1	75
							4	-	100
							4	-	100
							3	1	75
							4	-	100
							4	-	100

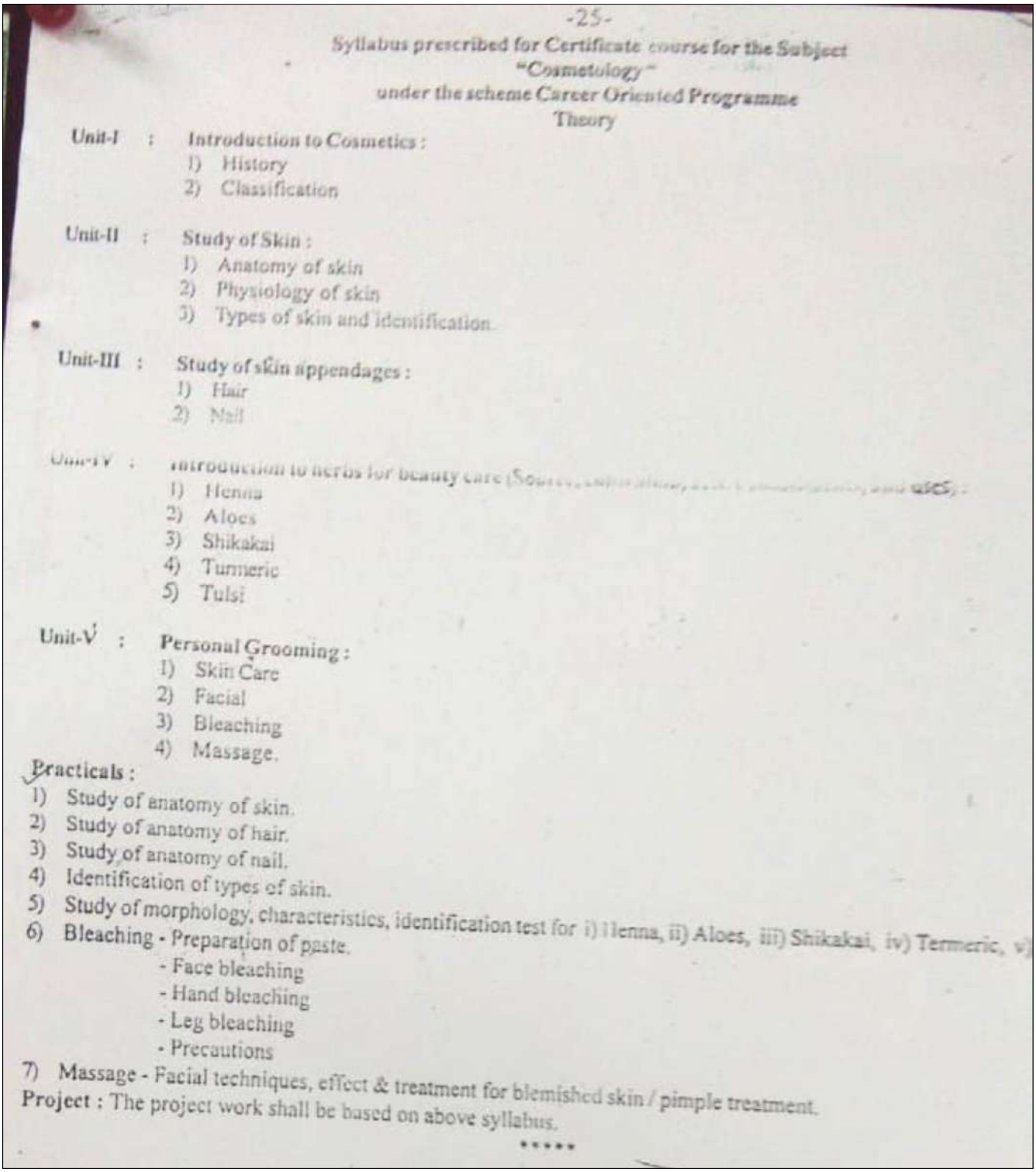
Principal

2018-19

Total No. of Period Engaged

JUNE	
JULY	
AUGUST	I — 08
SEPTEMBER	II — 12
OCTOBER	III — 04
NOVEMBER	—
DECEMBER	IV — 04
JANUARY	IV V — 10
FEBRUARY	V — 06
MARCH	V (REVISION) — 10

Curriculum and Time table



-25-

Syllabus prescribed for Certificate course for the Subject
"Cosmetology"
under the scheme Career Oriented Programme
Theory

Unit-I : **Introduction to Cosmetics :**
1) History
2) Classification

Unit-II : **Study of Skin :**
1) Anatomy of skin
2) Physiology of skin
3) Types of skin and identification.

Unit-III : **Study of skin appendages :**
1) Hair
2) Nail

Unit-IV : Introduction to herbs for beauty care (Source, uses, etc.) :
1) Henna
2) Aloes
3) Shikakai
4) Turmeric
5) Tulsi

Unit-V : **Personal Grooming :**
1) Skin Care
2) Facial
3) Bleaching
4) Massage.

Practicals :
1) Study of anatomy of skin.
2) Study of anatomy of hair.
3) Study of anatomy of nail.
4) Identification of types of skin.
5) Study of morphology, characteristics, identification test for i) Henna, ii) Aloes, iii) Shikakai, iv) Termeric, v)
6) Bleaching - Preparation of paste.
   - Face bleaching
   - Hand bleaching
   - Leg bleaching
   - Precautions
7) Massage - Facial techniques, effect & treatment for blemished skin / pimple treatment.

Project : The project work shall be based on above syllabus.

*****

Shri Shivaji Science College Amravati
Department of Chemistry
Cosmetology
Certificate Course
Time Table

Day (Sunday)	1	2	3	4	5
Module(T) 10am-11 am	Module I Introduction to Cosmetology	Module I Nutrition and Health	Module I History of Cosmetics	Module I Herbal Cosmetics	Module I Classification of Cosmetics
Practical (11-1.00 pm)	Pr1Anatomy of skin	Pr2Anatomy of skin	Pr3Anatomy of hair	Pr4Anatomy of nail	Pr5Identification of type of skin
Day (Sunday)	6	7	8	9	10
Module(T) 10am-11 am	Module II Selection ,Storage and Shelf life of Cosmetics	Module II Study of Skin	Module II Anatomy OF Skin	Module II Anatomy OF SkinPhysiology of Skin	Module II Types of Skin
Practical (11-1.00 pm)	Pr6Morphology etc of Herbs Henna	Pr7Morphology etc of Aloes	Pr8Morphology etc of Shikakai	Pr9Morphology etc of Tulsi	Pr10Morphology etc of Turmeric
Day (Sunday)	11	12	13	14	15
Module(T) 10am-11 am	Module III Identification OF Skin	Module III Study of Skin Apendages	Module III Structure & Function of Hair	Module III Hair Cycle	Module III Structure & Function of Nails
Practical (11-1.00 pm)	Pr11Face Bleaching	Pr12Hand Bleaching	Pr13Leg Bleaching	Pr14Precaution during bleaching	Pr15Facial Theory tips
Day (Sunday)	16	17	18	19	20
Module(T) 10am-11 am	Module IV Hair & Nail Care	Module IV Introduction to herbs for beauty care (Source, Cultivation, Active Constitutes and uses) Tulsi	Module IV Aloes	Module IV Henna	Module IV Shikakai
Practical (11-1.00 pm)	Pr16Facial finger movement practise	Pr17Facial Demo and practise	Pr18Treatment for blemished skin	Pr19Treatment for pimpled skin	Pr20 Threading
Day (Sunday)	21 Waxing Theory and Precautions	22Leg Waxing	23Underarm Waxing	24 Hand Waxing	25Body Massage
Module(T) 10am-11 am	Module V Turmeric	Module V Personal Grooming	Module V Types of Camera	Module V Parts of Camera	Module V Function of Cameras
Practical (11-1.00 pm)	Pr21 Make-up	Pr22Hair style	Pr23College Hairstyle	Pr24Bridal Make-up	Pr25Personal Grooming
Day (Sunday)	26	27	28	29	30
Module(T) 10am-11 am	Module VI Types of lenses	Module VI Types of Filters	Module VI Aperture, Speed & ISO	Module VI Accessories of Camera	Module VI Photo editing
Practical (11-1.00 pm)	Pr26	Pr27	Pr28	Pr29	Pr30

Admission schedule: 1 to 31 July
Theory & Practical schedule: Aug, Sept, Oct, Nov, Jan, Feb, March & April
Project Topics are given in the pre –Diwali session.

Assessment

Shri Shivaji Science College ,Amravati				
Department of Chemistry				
Carrer Orientated Course in Cosmatology				
Result Analysis (2015-2020)				
CERTIFICATE				
Year/Course	Admitted	Appeared	Passed %	
2015-16	50	36	72	
2016-17	72	64	86	
2017-18	56	49	88	
2018-19	43	38	88	
2019-20	41	33	80	
Course Co-ordinator			Head of the Dept.	Principal



Shri Shivaji Education Society, Amravati's

SHRI SHIVAJI SCIENCE COLLEGE, AMRAVATI

Certificate Course in Cosmetology

Approved by : Sant Gadge Baba Amravati University, Amravati.

This is to certify that

Ms. _____

the within signed has successfully completed

the prescribed course of studies and passed the

Certificate Course in Cosmetology

Approved by Sant Gadge Baba Amravati University, Amravati.

in _____ *division in the year* _____

Place : _____

Date : _____

Course Co-ordinator
DR. ANJALI BODADE
DEPT. OF CHEMISTRY

Principal
DR. V. G. THAKARE

Summary Report and Outcome

SUMMARY REPORT AND COURSE OUTCOME

The studentsadmitted to certificate(43) , diploma (12)and advanced diploma(1) . Result obtained in pass percentage was Certificate 88% , Diploma 92% and Advanced Diploma 100%.

Numbers of activities arranged

1) Seminar on AAHARATUN AROGYAKADYUN SUNDARTEKADE was arranged on Monday 24 september 2018 at 4pm in the college Auditorium.
2) DrVaishaliGulhane guided the students about the co-relation between DIET, HEALTH AND BEAUTY OF THE BODY SOUL AND MIND.by powerpoint presentation.
3) Seminar on **MENSTRUAL HYGIENE** for the students of PAYOSHNI girls hostel on Sunday 30 September 2018 in the hostel hall.
    - Workshop on HANDS ON BODY SPA was arranged on sunday 23September 2018 by demonstrating the various steps by the expertsMs Bhavana and Sneha accompained by Dr Yogita Kale from AROGYAM,Amravati. **Learning Outcomes of Certificate Course**

1)Awareness about Massage and Body Spa techniques.

2)Learnt co-relation between .
3) Will save time and money.
4)It provides skill utility in home functions.
Learning Outcomes of Diploma Course

1)Placement of the students:

Three of our students MsArti.A. Umak,Vaishali.R.Thakre and Sonu Thakre were selected as vocational Trainers.
2) Learnt Analysis of raw materials.
3)Identification of perfumes.

Learning Outcomes of Advance Diploma

1)Learn entrepreneurship and teamwork.
2)Awareness about selection of raw material for cosmetic preparation.

Dept. of Chemistry (Five Days Training Course "Intrumentation Techniques and Their Practical Application for Students)

Name and Duration of Program

Dept. of Chemistry (Five Day Training Course " Intrumental Techniques and Their Practical Application for Students")
2019-2020
Name and Duration of the Program

To,
The Principal,
Shri Shivaji Science College, Amravati.

Subject : To seek permission to organize Five day Training Programme " Instrumental Techniques and Their Practical Application for students"

Respected sir,

With reference to the above subject I would like to request you to grant permission to organize **Five day Training Course " Instrumental Techniques and Their Practical Application for students"** by Dept of Chemistry from 20 to 24 December 2019.

Thanking you.

Co-ordinator,
Dr. S. A. Wadhal
Associate Professor,
Department of Chemistry,
Shri Shivaji Science College, Amravati

Date : 08 /12/19

Dr. G. N. Chaudhari
Professor & Head
Dept. of Chemistry
Shri Shivaji Science College,
Amravati-444 606 (M.S.)

List of the Students Enrolled and Attendance

ist of Participants

S. No.	Name	Class	College
1	Mr Yogesh D. Ghatole	M.Sc. II	Shri Shivaji Science College, Amt
2	Mr. Aditya K. Brahmankar	M.Sc. II	Shri Shivaji Science College, Amt
3	Ms. Swati R. Jaiswal	M.Sc. II	Shri Shivaji Science College, Amt
4	Ms. Shivani D. Deshmukh	M.Sc. II	Shri Shivaji Science College, Amt
5	Ms. Pragati G. Isod	M.Sc. II	Shri Shivaji Science College, Amt
6	Ms. Komal P. Joshi	M.Sc. II	Shri Shivaji Science College, Amt
7	Ms Pradnya R. Mehare	M.Sc. II	Shri Shivaji Science College, Amt
8	Mr Piyush C. Sawarkar	M.Sc. I	Mahatma Fule Mahavidyalaya Varud
9	Mr. Yogesh S. Kukade	M.Sc. I	Mahatma Fule Mahavidyalaya Varud
10	Mr. Rajkumar B. Dhote	M.Sc. I	Mahatma Fule Mahavidyalaya Varud
11	Ms. Rushali M. Muratkar	M.Sc. II	Shri Shivaji Science College, Amt
12	Mr Samir C. Pathan	M.Sc. II	Shri Shivaji Science College, Amt
13	Ms. Mariya Sadaf M. Ilyas	M.Sc. II	Shri Shivaji Science College, Amt
14	Ms. Vaishnavi G. Rase	M.Sc. II	Shri Shivaji Science College, Amt
15	Ms. Shivani D. Mondhe	M.Sc. II	Shri Shivaji Science College, Amt
16	Ms. Maseera Anam Naqvi	M.Sc. II	Shri Shivaji Science College, Amt
17	Ms. Sneha N. Raut	M.Sc. II	Shri Shivaji Science College, Amt
18	Ms. Raksha V. Mishra	M.Sc. II	Shri Shivaji Science College, Amt
19	Ms. Nivedita S. Marape	M.Sc. II	Shri Shivaji Science College, Amt
20	Ms Krunal R. Chunade	M.Sc. II	Shri Shivaji Science College, Amt
21	Ms. Nikita A. Tekade	M.Sc. II	Shri Shivaji Science College, Amt
22	Ms. Snehal G. Watane	M.Sc. II	Shri Shivaji Science College, Amt
23	Mr.Aniruddha S. £tande	M.Sc. II	Shri Shivaji Science College, Amt
24	Ms Samiksha Y. Armal	M.Sc. II	Shri Shivaji Science College, Amt
25	Ms Pallavi S.Lingot	M.Sc. U	Shri Shivaji Science College, Amt
26	Ms Bhagyashri R. Mankar	M.Sc. II	Shri Shivaji Science College, Amt
27	Ms Simran Pusatkar	M.Sc. U	S.G.B. Amravati University Amt

28	Ms. Gargi G. Chaudhari	M.Sc. II	S.G.B. Amravati University Amt
29	Mr Ajinkya S. Sonone	M.Sc. II	Shri Shivaji Science College, Amt
30	Dr Varsha S. Zade	M.Sc. II	Shri Shivaji Science College, Amt
31	Ms Kanchan S. Mawande	M.Sc. II	Shri Shivaji Science College, Amt
32	Ms Pallavi N. Dabhade	M.Sc. II	Shri Shivaji Science College, Amt
33	Mr. Chetan N. Surjuse	M.Sc. U	Mahatma Fule Mahavidyalaya Varud

Dr. Shrikant A. Wadhal

Course Coordinator

Dr. G. N. Chaudhari

Head of Department

Shri Shivaji Science College, Amravati

Accredited by NAAC with "A'Grade

Five Day Course on " Instrumental Techniques and their Practical Applications"

Organized by Department of Chemistry from 20-24 December 2019

Attendence Sheet

S.N.	Name	20/12/19	21/12/19	22/12/19	23/12/19	24/12/19
1	Mr Yogesh D. Ghatole					
2	Mr. Aditya K. Brahmankar					
3	Ms. Swati R. Jaiswal					
4	Ms. Shivani D. Deshmukh					
5	Ms. Pragati G. Isod					
6	Ms. Komal P. Joshi					
7	Ms Pradnya R. Mehare					
8	Mr Piyush C. Sawarkar					
9	Mr. Yogesh S. Kukade					
10	Mr. Rajkumar B. Dhote					
11	Ms. Rushali M. Muratkar					
12	Mr Samir C. Pathan					
13	Ms. Mariya Sadaf M. Ilyas					
14	Ms. Vaishnavi G. Rase					
15	Ms. Shivani D. Mondhe					
16	Ms. Maseera Anam Naqvi					
17	Ms. Sneha N. Raut					
18	Ms. Raksha V. Mishra					

19	Ms. Nivedita S. Marape					
20	Ms Krunal R. Chunade					
21	Ms. Nikita A. Tekade					
22	Ms. Snehal G. Watane					
23	Mr.Aniruddha S. Hande					
24	Ms Samiksha Y. Armal					
25	Ms Pallavi S. Lingot					
26	Ms Bhagyashri R. Mankar					
27	Ms Simran Pusatkar					
28	Ms. Gargi G. Chaudhari					
29	Mr Ajinkya S. Sonone					
30	Dr Varsha S. Zade					
31	Ms Kanchan S. Mawande					
32	Ms Pallavi N. Dabhade					
33	Mr. Chetan N. Surjuse					

Dr Shrikant A. Wadhal

Course Co-ordinator

Curriculum and Time Table

Shri Shivaji Education Society, Amravati's

Shri Shivaji Science College, Amravati

Accredited by NAAC with 'A' Grade
Identified as UGC- CPE, DST- FIST & SGBAU- Lead College
Shivaji Nagar, Amravati, MS - 444603



Five Days Course on
Instrumental Techniques and Their Practical Applications for Students

Duration : 20-24 December, 2019

Organized by -
Department of Chemistry

Course Contents -

- Theoretical and Practical knowledge on HPLC and GC.
- Its Maintenance, Trouble shooting, analytical method development and validation techniques.
- Instrumentation, calibration and their applications in Industries.
- Theoretical and Practical knowledge of IR, XRD, UV Vis spectrophotometer.

Course Highlights -

- Professional Exposure.
- Job Opportunities in Different Industries on the Basis of Instrumentation Techniques.

Participation is open to Students and Researchers

- Teaching Plan -

Friday, 20.12.2019	
11.00 - 12.00 p.m.	Theoretical session of HPLC
12.30 - 01.00 p.m.	Tea Break
01.00 - 05.00 p.m.	Practical of HPLC
Saturday, 21.12.2019	
11.00 - 12.00 p.m.	Theoretical session of Gas Chromatography
12.30 - 01.00 p.m.	Tea Break
01.00 - 05.00 p.m.	Practical of Gas Chromatography
Sunday, 22.12.2019	
11.00 - 12.00 p.m.	Theoretical session of Trouble Shooting, Calibration & Their Application
12.30 - 01.00 p.m.	Tea Break
01.00 - 05.00 p.m.	Practical of Trouble Shooting, Calibration
Monday, 23.12.2019	
11.00 - 12.00 p.m.	Theoretical session of Infra-Red, UV-Visible Spectroscopy
12.30 - 01.00 p.m.	Tea Break
01.00 - 05.00 p.m.	Practical of Infra-Red, UV-Visible
Tuesday, 24.12.2019	
11.00 - 02.00 p.m.	Theoretical & Practical session of XRD
02.00 - 03.00 p.m.	Tea Break
03.00 - 05.00 p.m.	Examination

- Course to be Conducted by -
Mr. Amol Gawande
PEAKS Analytical Research and Training Centre, Nagpur

Dr. Shrikant A. Wadhal
Course Coordinator

Dr. V. G. Thakare
Principal

Assessment

ASSESSMENT

All the participants have successfully competed the course

Summary Report and Course Outcome

Summary Report & outcome

The Department of Chemistry has organized Five Day Training Course on "Instrumental Techniques and their Practical Applications for Students" from 20/12/2019 to 24/12/2019. Dr Shrikant A. Wadhal, Associate Professor, Department of Chemistry took initiative as a course co-ordinator to effectively carry out the sessions of this course. In this course total 33 students from different colleges participated for five days. Mr. Amol Gawande from Peaks Analytical and Research Centre, Nagpur provided the students with hands on training regarding some latest instruments like HPLC, Gas Chromatography, IR, FTIR, UV- VIS used in laboratories in the

Outcome of this course

This course proved to be very useful for students to get employment in various industries and Chemical laboratories and also to start their own enterprise. This certificate course definitely enhanced the student's skill in instrumental techniques like HPLC, Gas Chromatography, IR, FTIR, UV- VIS, X-ray diffraction used in laboratories.

Course Coordinator, Head,

Prof. Dr. Shrikant A. Wadhal Prof. Dr G. N. Chaudhari

Dept. of Language (COC Certificate Course in English Communication Skills)

Name and Duration of the Program

Dept of Language

"Certificate Course in English Communication skills"

Amravati

27.06.2018

To

The Principal,

Shri Shivaji Science College, Amravati

Sub. – Seeking permission to start new courses

Respected Sir,

As decided in the departmental meeting held on 21.06.2018, the Department of Languages intends to start one Add-On Corse entitled "Certificate Course in English Communication skills" and one Value Added Course entitled "Certificate Course in English Vocabulary Building "from the academic Session 2018-19.These courses will be conducted once in the year. The contents for these courses are attached here with.

You are therefore requested to grant your permission for the same.

Thank you

Yours faithfully,

Vasant V. Hebbar

Head & Course Coordinator

for the "Certificate Course in English Vocabulary Building"

Punam V. Barabde

Course Coordinator

for the "Certificate Course in English Communicaion Skill"

Notice10.08.2018

ShriShivaji Science College, Amravati

Certificate Course in

English Communication Skills 2018-19

To be introduced by

The Department of Languages

The students are hereby informed that the Department of Languages is introducing an Add-On Corse entitled **"Certificate Course in English Communication Skills"**from the academic Session 2018-19. Any student enrolled for UG/PG course in this college can apply for this course which is starting from **03.09.2018**

Interested students should enroll themselves **before 30.08.2018**to the Course Co-ordinator Prof. Punam V. Barabde in the Department of Languages.

List of the Students Enrolled and Attendance

Certificate Course in English Communication Skills 2018-19
List of Students Enrolled:

Sr.No	Name of the student
1	BHOPALE AKSHAY SANJAY
2	BIDKAR MRUNAL MADHUKAR
3	BONTE NILAY PRASHANT
4	BOPULKAR SANKET ARUNRAO
5	CHAVHAN CHANDAN KISHOR
6	DANDGE SANJANA SANJAY
7	ALI JAVERIYA SADAF SYED MOHD
8	BADE YASH SURENDRA
9	BHANDE SAKSHI PRAMOD
10	BHUJADE SNEHA RAVINDRA
11	BODHANKAR TANISH ARVIND
12	BODKHE TANUSHRI RAJESH
13	CHAKRANARAYAN UTKARSH G.
14	CHANGOLE GUNJAN ANIL
15	CHAUDHARI VIPUL NITIN
16	CHAVAN NISHA KESHAV
17	CHAVAN PRANAY DADUSINGH
18	MESHRAM ANUP MAHENDRA
19	MHALA MANALI ANIL
20	MOHAMMAD ABID AKIB RAZA
21	MUWAL RENUKA BANWARILAL
22	MYADRE LAXMI RAJENDRA
23	NALGE AKASH DIPAK
24	NILE KAPIL VINAY
25	PANCHBHAI SWETA RAJESH
26	PATHARE MADHAV NARESH
27	PATNE RENU KISHOR
28	PAWAR BHAVESH DINKARRAO
29	PAWAR PRAJWAL VINODRAO
30	PAWAR SAKSHI SUNILSINGH
31	POJGE ARPITA PRABHAKAR
32	PUSADKAR KOMAL SUNIL
33	RATHOD BADAL ROHIDAS
34	RAUT ANUSHRI ASHOKRAO
35	SHINGANKAR APURVA BHIMRAO
36	TAJNEKAR SAKSHI SHRIKANT
37	TANTARPALE MAYURI SHRIKRISHNA
38	THAKARE SONALIKA SANJAY
39	THAKUR VISHWAJIT SUDHIR
40	UIKE SUNANDA DHANNA

SHRI SHIVAJI SCIENCE COLLEGE, AMRAVTI

DEPARTMENT OF LANGUAGES (ENGLISH)

CERTIFICATE COURSE IN ENGLISH COMMUNICATION SKILLS 2018-19

ATTENDANCE FOR THE SESSION 2018-19

S.N.	NAME OF THE STUDENT/ DATE	3	4	5	6	7	8	10	11	12	13	14	15	17	18	19	20	21
1	BHOPALE AKSHAY SANJAY	✓	½	✓	X	✓	✓	✓	✓	✓	X	✓	✓	✓	✓	✓	✓	✓
2	BIDKAR MRUNAL MADHUKAR	✓	✓	✓	✓	X	✓	✓	✓	✓	✓	X	✓	✓	✓	✓	✓	✓
3	BONTE NILAY PRASHANT	X	✓	X	✓	X	X	✓	X	✓	✓	X	✓	✓	✓	✓	✓	✓
4	BOPULWAR SANKET ARUNRAO	✓	✓	✓	✓	✓	✓	✓	✓	X	✓	✓	✓	X	✓	✓	✓	✓
5	CHAVHAN CHANDAN KISHOR	✓	X	✓	✓	X	✓	✓	✓	✓	✓	X	✓	✓	✓	✓	✓	✓
6	DANDGE SANJANA SANJAY	X	✓	✓	✓	X	✓	✓	✓	✓	✓	✓	✓	✓	✓	X	✓	✓
7	ALI JAVERIYA SADAF SYED MOHD	X	✓	✓	✓	X	✓	✓	X	✓	✓	X	✓	✓	✓	✓	X	✓
8	BADE YASH SURENDRA	✓	✓	X	✓	✓	✓	✓	X	✓	✓	X	✓	✓	✓	✓	X	✓
9	BHANDE SAKSHI PRAMOD	X	✓	✓	X	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
10	BHUJADE SNEHA RAVINDRA	✓	✓	✓	✓	✓	✓	✓	X	✓	✓	✓	✓	✓	✓	✓	✓	✓
11	BODHANKAR TANISH ARVIND	✓	✓	✓	✓	✓	✓	✓	✓	X	✓	✓	✓	✓	✓	✓	✓	✓
12	BODKHE TANUSHRI RAJESH	✓	✓	✓	✓	✓	X	✓	✓	✓	X	✓	X	✓	✓	X	✓	✓
13	CHAKRANARAYAN UTKARSH G	✓	✓	✓	✓	✓	X	✓	X	✓	✓	X	✓	✓	✓	✓	✓	✓
14	CHANGOLE GUNJAN ANIL	X	✓	X	✓	✓	X	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
15	CHAUDHARI VIPUL NITIN	X	✓	✓	X	✓	X	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
16	CHAVAN NISHA KESHAV	✓	✓	✓	✓	✓	✓	✓	X	✓	✓	X	✓	X	✓	✓	✓	✓
17	CHAVAN PRANAY DADUSINGH	✓	✓	✓	✓	X	✓	✓	✓	✓	X	✓	✓	✓	X	✓	✓	✓
18	MESHRAM ANUP MAHENDRA	✓	✓	✓	✓	✓	✓	X	✓	✓	✓	X	✓	✓	✓	X	✓	✓
19	MHALA MANALI ANIL	✓	✓	✓	✓	X	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	X	✓



S.N.	NAME OF THE STUDENT/ DATE	3	4	5	6	7	8	10	11	12	13	14	15	17	18	19	20	21
20	MOHAMMAD ABID AKIB RAZA	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	X	✓	✓	✓	✓	✓	✓
21	MUWAL RENUKA BANWARILAL	✓	✓	X	✓	✓	✓	✓	✓	X	✓	✓	✓	✓	✓	✓	✓	✓
22	MYADRE LAXMI RAJENDRA	✓	X	✓	X	✓	✓	✓	✓	X	✓	X	✓	X	✓	✓	✓	✓
23	NALGE AKASH DIPAK	✓	✓	✓	X	✓	✓	✓	✓	X	✓	✓	✓	✓	✓	✓	✓	✓
24	NILE KAPIL VINAY	✓	✓	✓	X	✓	✓	X	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
25	PANCHBHAI SWETA RAJESH	✓	X	✓	✓	✓	✓	X	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
26	PATHARE MADHAV NARESH	✓	✓	✓	X	✓	✓	✓	✓	✓	✓	X	✓	✓	✓	✓	✓	✓
27	PATNE RENU KISHOR	✓	✓	✓	✓	✓	X	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
28	PAWAR BHAVESH DINKARRAO	✓	✓	✓	✓	✓	X	✓	✓	✓	✓	X	✓	✓	✓	✓	✓	✓
29	PAWAR PRAJWAL VINODRAO	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
30	PAWAR SAKSHI SUNILSINGH	✓	✓	✓	✓	✓	✓	X	✓	✓	X	✓	✓	✓	✓	✓	✓	✓
31	POJGE ARPITA PRABHAKAR	✓	X	✓	✓	✓	✓	X	✓	✓	✓	X	✓	✓	✓	✓	✓	✓
32	PUSADKAR KOMAL SUNIL	✓	✓	✓	✓	X	✓	✓	X	✓	✓	X	✓	X	✓	✓	✓	X
33	RATHOD BADAL ROHIDAS	✓	✓	✓	✓	✓	✓	✓	X	✓	✓	X	✓	✓	X	✓	X	✓
34	RAUT ANUSHRI ASHOKRAO	✓	X	✓	✓	✓	✓	✓	X	✓	✓	✓	X	✓	✓	X	✓	✓
35	SHINGANKAR APURVA BHIMRAO	X	✓	✓	✓	✓	✓	✓	X	✓	✓	✓	✓	✓	✓	✓	✓	✓
36	TAJNEKAR SAKSHI SHRIKANT	✓	✓	✓	✓	✓	✓	X	✓	✓	X	✓	✓	✓	✓	✓	✓	✓
37	TANTARPALE MAYURI S.	X	X	X	X	X	X	X	✓	✓	✓	✓	X	X	X	X	X	✓
38	THAKARE SONALIKA SANJAY	X	X	X	X	✓	✓	X	✓	✓	✓	X	✓	✓	✓	X	X	X
39	THAKUR VISHWAJIT SUDHIR	X	X	X	X	X	X	X	✓	X	X	✓	X	✓	✓	X	X	X
40	UIKE SUNANDA DHANNA	X	✓	X	X	X	X	✓	X	X	X	✓	X	✓	✓	✓	✓	✓
	DATE																	
	SIGNATURE OF TEACHER																	

Curriculum and Time table

Weekly Plan:	
Week 1 **20th July – 25th July** **2020**	**Module -I Basic English Grammar and Grammar in Context** 1. Significance of the English language 2. Significance of English Grammar 3. Punctuation 4. Subject-Verb Agreement 5. Articles 6. Parts of speech
Week 2 **27th July – 01st August** **2020**	**Module -I Basic English Grammar and Grammar in Context** 1. Prepositions 2. Kinds of sentences 3. Tenses Form 4. Use ofTenses 5. Voices 6. Narration
Week 3 **03rd August – 08th August** **2020**	**Moudle -II. Listening, Speaking and Reading Skills.** 1. Introduction to the skills of the English Language 2. Improving Listening skills 3. Improving Reading skills 4. Improving Speaking skills 5. Greetings and Introducing 6. Seeking Permissions 7. Self-Introduction 8. Inviting, suggesting, accepting and refusing 9. Completing a dialogue 10. Language in formal, semi-formal and informal context
Week 4 **08th August – 14th August** **2020**	**Module-III:Writing Skills** 1. Essay-writing 2. Letter-writing 3. Preparation of Resume 4. Report-Writing: Newspaper Reports and Minutes of the Meeting 5. Summarizing, Note-Making and Note-Taking 6. Writing E-Mails & Blogs **Module-IV Presentation Skills** 1. Effective Presentation Techniques 2. Seminar Presentations 3.Compering, Welcome Address and Vote of Thanks 4. Body Language

Course Contents:

Moudle -I. Introduction to the Language Skills: Listening, Speaking and Reading.

1. Nature and significance of English Language
2. Introduction to the skills of Language
3. Listening and speaking skills
4. Introduction to English sounds
5. Vowel sounds
6. Consonantal sounds
7. Word accent and stress shift
8. Accent and rhythm in connected speech
9. Intonation
10. Listening Radio and TV programmes and recorded conversations and differentaccents.

Module -II Basic Grammar and Grammar in context

1. Introduction to English Grammar
2. Parts of speech
3. Verb, Tenses: Form and use
4. Use of auxiliaries and Modals
5. Articles and prepositions
7. Kinds of sentences
8. Transformations of sentences
9. Voices
10. Narration
11. Common Errors

Module III: Language in Context

1. Greetings and Introducing
2. Asking for information
3. Persuasions
4. Starting a conversation; greeting and asking after
5. Introduction of oneself and others
6. Thanking, Wishing well, apologizing and excusing
7. Offers, requests and orders
8. Inviting, suggesting, accepting and refusing
9. Likes and dislikes
10. Completing a dialogue
11. Seeking permission
12. Offering and giving advice
13. Speaking about oneself
14. Language in formal, semi-formal and informal context

Module-IV Presentation Skills

1. Presentation Techniques
2. Use of quotations and anecdotes

3. Organizing a seminar/symposium/workshop/conference
4. Welcome Address and Vote of Thanks
5. Body Language
6. Interview
7. Essay-writing
8. Letter-writing
9. Preparation of Resume
10. Report-Writing: Newspaper Reports and Minutes of the Meeting
11. Summarizing, Note-Making and Note-Taking
12. Information Transfer
13. E-Communication- E-Mails

Assessment

ASSESSMENT

Sr.No	Name of the student	Course Examination	Learning Skills	Reading Skills	Speaking Skills	Total Marks
1	BHOPALE AKSHAY SANJAY	26	14	16	16	72
2	BIDKAR MRUNAL MADHUKAR	30	16	18	16	80
3	BONTE NILAY PRASHANT	30	16	18	16	80
4	BOPULKAR SANKET ARUNRAO	28	16	18	14	76
5	CHAVHAN CHANDAN KISHOR	32	16	16	16	80
6	DANDGE SANJANA SANJAY	28	14	16	14	72
7	ALI JAVERIYA SADAF SYED MOHD	32	16	18	16	82
8	BADE YASH SURENDRA	30	16	16	14	76
9	BHANDE SAKSHI PRAMOD	30	16	16	16	78
10	BHUJADE SNEHA RAVINDRA	32	16	18	16	82
11	BODHANKAR TANISH ARVIND	32	18	18	16	84
12	BODKHE TANUSHRI RAJESH	30	18	18	18	84
13	CHAKRANARAYAN UTKARSH G.	22	14	14	12	62
14	CHANGOLE GUNJAN ANIL	20	14	14	12	60
15	CHAUDHARI VIPUL NITIN	22	14	14	12	62
16	CHAVAN NISHA KESHAV	28	14	16	14	72
17	CHAVAN PRANAY DADUSINGH	26	12	14	12	64
18	MESHRAM ANUP MAHENDRA	24	12	14	12	62
19	MHALA MANALI ANIL	26	14	14	14	68
20	MOHAMMAD ABID AKIB RAZA	30	18	18	16	82
21	MUWAL RENUKA BANWARILAL	30	16	18	16	80
22	MYADRE LAXMI RAJENDRA	28	16	16	14	74
23	NALGE AKASH DIPAK	26	16	16	14	72
24	NILE KAPIL VINAY	28	16	16	14	74
25	PANCHBHAI SWETA RAJESH	26	14	16	14	70
26	PATHARE MADHAV NARESH	28	16	16	14	74
27	PATNE RENU KISHOR	30	16	18	16	80
28	PAWAR BHAVESH DINKARRAO	28	16	16	14	74
29	PAWAR PRAJWAL VINODRAO	30	16	16	16	78
30	PAWAR SAKSHI SUNILSINGH	32	16	18	16	82
31	POJGE ARPITA PRABHAKAR	30	16	16	14	76
32	PUSADKAR KOMAL SUNIL	32	18	18	16	84
33	RATHOD BADAL ROHIDAS	28	16	16	14	74
34	RAUT ANUSHRI ASHOKRAO	28	16	16	14	74
35	SHINGANKAR APURVA BHIMRAO	28	14	16	14	72
36	TAJNEKAR SAKSHI SHRIKANT	32	16	18	16	82
37	TANTARPALE MAYURI SHRIKRISHNA	30	16	18	16	80
38	THAKARE SONALIKA SANJAY	28	16	16	14	74
39	THAKUR VISHWAJIT SUDHIR	28	14	16	14	72
40	UIKE SUNANDA DHANNA	28	14	16	12	70

Summary Report and Outcome

Summary Report and Course Outcome

Course Duration: 30 Hrs.
Students enrolled and completed the course: 30
Dates: 03.09.2018-21.09.2018
Co-ordinator: Prof. Punam V. Barabde

Examination Pattern:

Theory: Written Examination of 01.30 Hr. comprising-
10 Multiple- Choice Questions carrying 20 Marks
04 Descriptive Questions carrying 20 Marks
Presentations and Viva-Voce testing Listening/ Speaking/Reading Skills carrying 60 Marks
Minimum Marks to pass the Examination: 40/100

- Course Fees- No Fees is charged from this college students

Course Outcome:

1. The course enabled the learners to gain basic English Grammar and conceptual knowledge in the English language.

2. students could equip themselves with skills necessary to face interviews/ Group Discussions to acquire placements.

3. The students got enabled the students to communicate in English.

4. The course helped the students develop a sophisticated awareness of the structure of English, its heritage and role in the world today.

Dept. of Language (Certificate Course in English Vocabulary Building)

Name and Duration of the Program

Certificate Course in English Vocabulary Building

Notice10.01.2019

ShriShivaji Science College, Amravati

Certificate Course in

English Vocabulary Building- 2018-19

To be introduced by

The Department of Languages

The students are hereby informed that the Department of Languages is introducing a Value Added Course entitled **"Certificate Course in Vocabulary Building".**Any student enrolled for UG/PG course in this college can apply for this course which is **starting from 04.02.2019.**

Interested students should enroll themselves before31.01.2019to the Course Co-ordinator Vasant V. Hebbar in the Department of Languages.

Course Details:

- **Course Duration: 30 Hrs.**
- **Examination Pattern:**

Theory: Written Examination of 01 Hr. comprising
40 Multiple- Choice Questions carrying 80 Marks
Assignments carrying 20 Marks

Minimum Marks to pass the Examination: 40/100

Successful students will be provided Certificates of the Course.

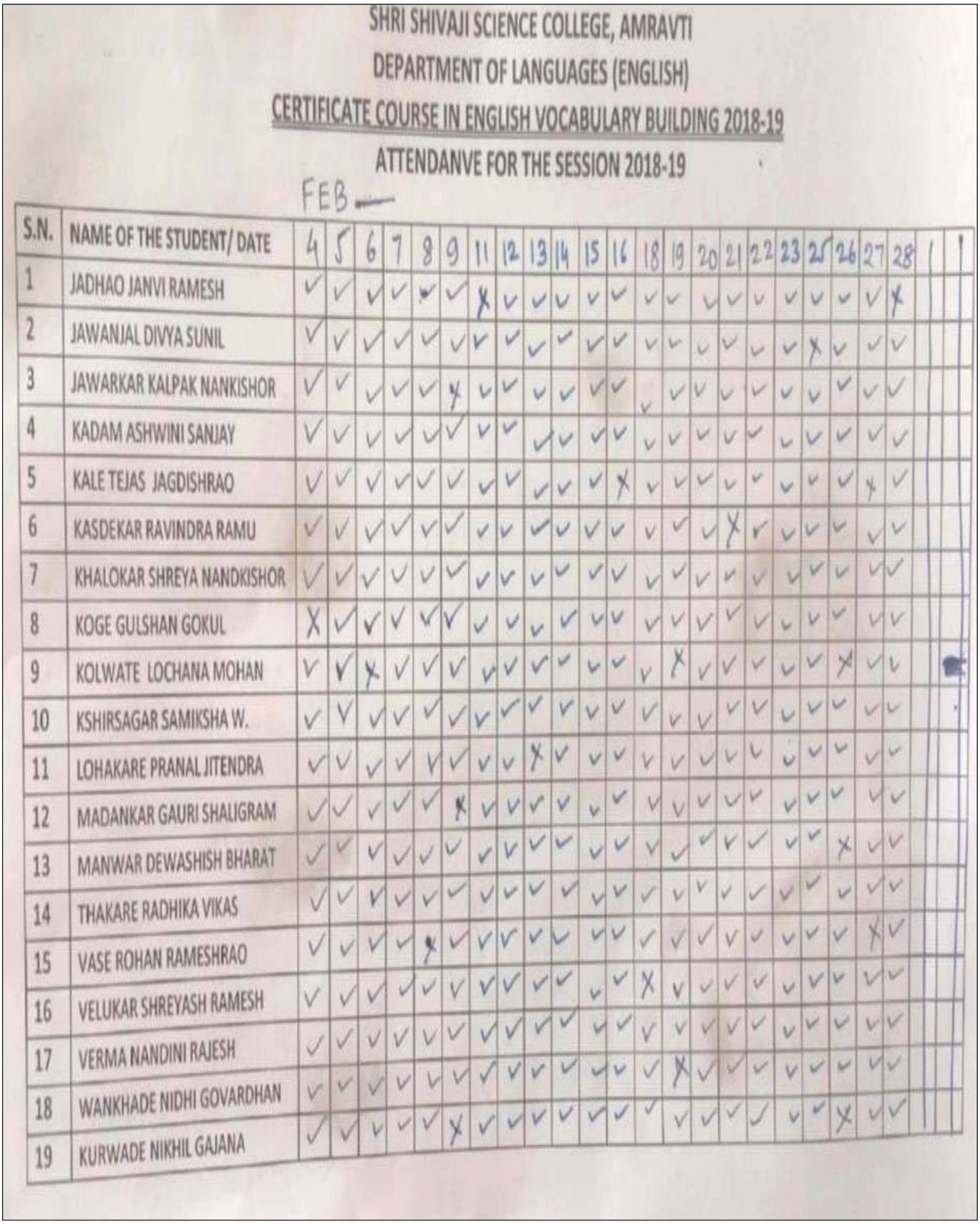
- **Course Fees-No Fees will be charged from this college students**

The details regarding the Course Contents are displayed on the Departmental Notice Board of the Department of Languages.

Course Coordinator **Principal**

List of the Students Enrolled and Attendance

Certificate Course in English Vocabulary Building 2018-19	
List of Students Enrolled:	
1	JADHAO JANVI RAMESH
2	JAWANJAL DIVYA SUNIL
3	JAWARKAR KALPAK NANKISHOR
4	KADAM ASHWINI SANJAY
5	KALE TEJAS JAGDISHRAO
6	KASDEKAR RAVINDRA RAMU
7	KHALOKAR SHREYA NANDKISHOR
8	KOGE GULSHAN GOKUL
9	KOLWATE LOCHANA MOHAN
10	KSHIRSAGAR SAMIKSHA WAMANRAO
11	LOHAKARE PRANAL JITENDRA
12	MADANKAR GAURI SHALIGRAM
13	MANWAR DEWASHISH BHARAT
14	THAKARE RADHIKA VIKAS
15	VASE ROHAN RAMESHRAO
16	VELUKAR SHREYASH RAMESH
17	VERMA NANDINI RAJESH
18	WANKHADE NIDHI GOVARDHAN
19	KURWADE NIKHIL GAJANA
20	MAKODE NIKESH PRAMODRAV
21	PANDE AMISHA ANIRUDDHA
22	PATIL CHINMAY SUJIT
23	PATOND VAISHNAV SURESH
24	PUND SAKSHI ANIL
25	MOKHALE NISHA SANTOS
26	PAWAR ASHWINI SHALIKRAM
27	PIMPARKAR RUCHA RAGHVENDRA
28	PIMPARKAR RUCHA RAGHVENDRA
29	WAGH RUTUJA JAGDISHRAO
30	YENDE NIKHIL GANESH
31	MASKE SHATAKSHI DNYANESHWAR
32	MISAL PRATIKSHA RAJKUMAR
33	POHOKAR GAYATRI SUNIL
34	RATHOD SHIVANI MOHAN
35	RATHOD VISHAKHA RAMPRASAD
36	SHINDE SAKSHI SANJAY
37	WARKAD JANHAVI NARAYAN
38	TEWARE RUCHI SHARAD
39	SHARMA POOJA SANTOSH
40	TARAL PRANALI SAHEBRAO



SHRI SHIVAJI SCIENCE COLLEGE, AMRAVTI

DEPARTMENT OF LANGUAGES (ENGLISH)

CERTIFICATE COURSE IN ENGLISH VOCABULARY BUILDING 2018-19

ATTENDANVE FOR THE SESSION 2018-19

FEB

S.N.	NAME OF THE STUDENT/ DATE	4	5	6	7	8	9	11	12	13	14	15	16	18	19	20	21	22	23	25	26	27	28
1	JADHAO JANVI RAMESH	✓	✓	✓	✓	✓	✓	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✗
2	JAWANJAL DIVYA SUNIL	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✗	✓	✓	✓
3	JAWARKAR KALPAK NANKISHOR	✓	✓	✓	✓	✓	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
4	KADAM ASHWINI SANJAY	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
5	KALE TEJAS JAGDISHRAO	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✗	✓	✓	✓	✓	✓	✓	✓	✓	✗	✓
6	KASDEKAR RAVINDRA RAMU	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✗	✓	✓	✓	✓	✓	✓
7	KHALOKAR SHREYA NANDKISHOR	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
8	KOGE GULSHAN GOKUL	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
9	KOLWATE LOCHANA MOHAN	✓	✓	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✗	✓	✓	✓	✓	✓	✗	✓	✓
10	KSHIRSAGAR SAMIKSHA W.	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
11	LOHAKARE PRANAL JITENDRA	✓	✓	✓	✓	✓	✓	✓	✓	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
12	MADANKAR GAURI SHALIGRAM	✓	✓	✓	✓	✓	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
13	MANWAR DEWASHISH BHARAT	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✗	✓	✓
14	THAKARE RADHIKA VIKAS	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
15	VASE ROHAN RAMESHRAO	✓	✓	✓	✓	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✗	✓
16	VELUKAR SHREYASH RAMESH	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓
17	VERMA NANDINI RAJESH	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
18	WANKHADE NIDHI GOVARDHAN	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✗	✓	✓	✓	✓	✓	✓	✓	✓
19	KURWADE NIKHIL GAJANA	✓	✓	✓	✓	✓	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✗	✓	✓



FEB ——

S.N.	NAME OF THE STUDENT/ DATE	4	5	6	7	8	9	11	12	13	14	15	16	18	19	20	21	22	23	25	26	27	28
20	MAKODE NIKESH PRAMODRAV	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
21	PANDE AMISHA ANIRUDDHA	✓	✓	✓	✓	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✗	✓	✓	✓
22	PATIL CHINMAY SUJIT	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
23	PATOND VAISHNAV SURESH	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✗
24	PUND SAKSHI ANIL	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
25	MOKHALE NISHA SANTOS	✓	✓	✓	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✗	✓	✓	✓	✓	✓	✓	✓
26	PAWAR ASHWINI SHALIKRAM	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
27	PIMPARKAR RUCHA R.	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✗
28	PIMPARKAR RUCHA R.	✓	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓
29	WAGH RUTUJA JAGDISHRAO	✓	✓	✓	✓	✓	✓	✓	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
30	YENDE NIKHIL GANESH	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
31	MASKE SHATAKSHI D.	✓	✓	✓	✓	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
32	MISAL PRATIKSHA RAJKUMAR	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✗	✓	✓
33	POHOKAR GAYATRI SUNIL	✓	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✗	✓	✓	✓	✓	✗	✓	✓	✓	✓
34	RATHOD SHIVANI MOHAN	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✗	✓	✓	✓	✓	✓	✗	✓	✓	✓
35	RATHOD VISHAKHA RAMPRASAD	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓
36	SHINDE SAKSHI SANJAY	✗	✗	✗	✓	✓	✓	✓	✓	✓	✓	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
37	WARKAD JANHAVI NARAYAN	✗	✗	✗	✗	✓	✓	✓	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
38	TEWARE RUCHI SHARAD	✗	✗	✗	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✗	✓	✓	✓
39	SHARMA POOJA SANTOSH	✗	✗	✗	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✗	✓	✓	✓	✓	✓	✓
40	TARAL PRANALI SAHEBRAO	✗	✗	✗	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	DATE																						
	SIGNATURE OF TEACHER																						

Curriculum and Time table

Course Details:

- **Course Duration: 30 Hrs.**

- **Examination Pattern:**

Theory: Written Examination of 01 Hr. comprising
40 Multiple- Choice Questions carrying 80 Marks
Assignments carrying 20 Marks

Minimum Marks to pass the Examination: 40/100

Successful students will be provided Certificates of the Course.

- **Course Fees-No Fees will be charged from this college students**

Certificate course in English Vocabulary Building

1. Programme Objectives:

- To enable the learners to gain basic English Grammar and conceptual knowledge in the Englishlanguage.
- To enable the students to communicate in English effectively.
- To help the students develop a sophisticated awareness of the structure of English, its heritageand role in the world today.
- To enable the students with skills necessary to face interviews/ Group Discussions and to acquire placements.

2. Target Group of Learners:

- Students enrolled for any U.G./P.G. programme in this college.

3. Expected Courses Learning Outcomes

- Introduction to the Language
- Skills: Listening Speaking and Reading
- The learner is enabled with the English sound system and identify sounds and rhythm of
  English language
- Basic Grammar and Grammar in Context
- The learner is able to learn basic English Grammar
- Presentation Skills: The learner is able to know the techniques of presentation skills

4. Course Contents

Course Contents:

1. Root Study
2. Words from the World of Colours
3. Words from the Animal Kingdom
4. Words from Mythology and History
5. Words from Science and Technology
6. Words from Games and Sports
7. Words from Arts and Music
8. Words from Law and Judiciary (legal Terms)
9. Words describing Human Personality and Character
10. Psychological and Medical Terms
11. Affixes: Prefixes & Suffixes
12. Four-Letter Power Words
13. Verbs: The Action Words
14. Interesting Nouns
15. Words formed from Names of Persons and Places
16. Words from All Over the Map
17. Words Expressing Difficulties, Dilemmas and Hitches
18. Words expressing Emotions: Love, Courage, Fear, Appreciation, Flattery, Contempt etc.
19. Words of Foreign Borrowings: Greek, Latin, Roman, Italian, French
20. Words about Language and Speech
21. Words for Life and Living Beings
22. Words from the World of Media
23. Adjectives: The Descriptive Words
24. Homonyms, Homophones & Homographs
25. Synonyms and Antonyms

26. Compound Words/Words with Hyphenation

27. Words with Positive and Negative Connotations

28. Misleading Words

29. Figurative Expressions

30. Crunchy Phrases and Idioms

5. Duration of the course: 4 weeks

Total credits: 4 credits (3 for theory + 1 for Assignments)

Eligible students for admission: Enrolled U.G. & P.G. students of the College.

Total seats available: 50 seats for offline course (No limit for online course)

Fees: This course is FREE for the students of this college.

Assessment

6. Examination Pattern:

Total Marks 200

1. 4 assignments (25 marks each) = 100 Marks

2. 01 Hr. Final Examination comprising 50 Multiple Choice Questions of 2 Marks each=100 Marks

Successful students will be provided Certificates of the Course.

7. CRITERIA TO GET A CERTIFICATE

- Average assignment score = 60 %.
- Exam score = 60 %
- Final score = Average of assignment score

  + Exam score

Certificate Course in English Vocabulary Building 2018-19

Mark List of the Final Examination held on 2 March 2019

	Name of the Student	A-1/5	A-2/5	A-3/5	A-4/5	Final exam/80	Total Marks/ 100
1	JADHAO JANVI RAMESH	3	4	4	4	66	81
2	JAWANJAL DIVYA SUNIL	4	3	3	4	68	82
3	JAWARKAR KALPAK NANKISHOR	4	4	3	3	66	80
4	KADAM ASHWINI SANJAY	3	3	4	4	70	84
5	KALE TEJAS JAGDISHRAO	5	4	4	5	66	84
6	KASDEKAR RAVINDRA RAMU	5	5	5	4	66	85
7	KHALOKAR SHREYA NANDKISHOR	5	5	5	5	70	90
8	KOGE GULSHAN GOKUL	4	3	4	4	60	75
9	KOLWATE LOCHANA MOHAN	5	4	5	5	62	81
10	KSHIRSAGAR SAMIKSHA WAMANRAO	3	3	4	4	60	74
11	LOHAKARE PRANAL JITENDRA	5	5	5	5	68	88
12	MADANKAR GAURI SHALIGRAM	4	3	3	4	58	72
13	MANWAR DEWASHISH BHARAT	4	4	4	4	62	78
14	THAKARE RADHIKA VIKAS	5	5	4	4	66	84
15	VASE ROHAN RAMESHRAO	5	4	5	5	64	83
16	VELUKAR SHREYASH RAMESH	4	4	5	5	64	82
17	VERMA NANDINI RAJESH	4	4	4	4	62	78
18	WANKHADE NIDHI GOVARDHAN	5	3	5	4	66	83
19	KURWADE NIKHIL GAJANA	5	5	4	5	60	79
20	MAKODE NIKESH PRAMODRAV	4	3	4	3	58	72
21	PANDE AMISHA ANIRUDDHA	3	4	3	3	60	73
22	PATIL CHINMAY SUJIT	5	4	4	4	62	79
23	PATOND VAISHNAV SURESH	4	4	4	4	62	78

24	PUND SAKSHI ANIL	3	4	4	3	58	72
25	MOKHALE NISHA SANTOS	4	4	4	4	62	78
26	PAWAR ASHWINI SHALIKRAM	5	5	4	4	62	80
27	PIMPARKAR RUCHA RAGHVENDRA	5	5	5	5	68	88
28	NILE KAPIL VINAY	5	4	4	5	66	84
29	WAGH RUTUJA JAGDISHRAO	5	5	5	5	68	88
30	YENDE NIKHIL GANESH	5	4	4	4	62	79
31	MASKE SHATAKSHI DNYANESHWAR	5	5	5	5	66	86
32	MISAL PRATIKSHA RAJKUMAR	4	4	3	3	58	72
33	POHOKAR GAYATRI SUNIL	4	4	4	4	66	82
34	RATHOD SHIVANI MOHAN	5	5	4	4	66	84
35	RATHOD VISHAKHA RAMPRASAD	4	4	4	4	62	78
36	SHINDE SAKSHI SANJAY	3	4	4	4	60	75
37	WARKAD JANHAVI NARAYAN	4	4	4	5	66	83
38	TEWARE RUCHI SHARAD	5	5	5	5	68	88
39	SHARMA POOJA SANTOSH	4	4	4	4	66	82
40	TARAL PRANALI SAHEBRAO	4	5	5	5	68	87

Summary Report and Outcome

Summary Report and Course Outcome

Course Duration: 30 Hrs.

Students enrolled and completed the course: 40

Dates: 04.02.2019- 28.02.2019

Admission Criterion: Any student enrolled for UG/PG course in this college

Course Coordinator: Vasant V. Hebbar

Examination Pattern:
Theory: Written Examination of 01 Hr. comprising
30 Multiple- Choice Questions carrying 80 Marks
10 Questions on Sentence Formation carrying 20 Marks
Minimum Marks to pass the Examination: 40/100

- Course Fees- No Fees is charged from this college students

Course Contents:

1. Root Study
2. Words from the World of Colours
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17. Words Expressing Difficulties, Dilemmas and Hitches
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19. Words of Foreign Borrowings: Greek, Latin, Roman, Italian, French
20. Words about Language and Speech
21. Words for Life and Living Beings
22. Words from the World of Media
23. Adjectives: The Descriptive Words
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26. Compound Words/Words with Hyphenation

Summary Report and Course Outcome

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19. Words of Foreign Borrowings: Greek, Latin, Roman, Italian, French
20. Words about Language and Speech
21. Words for Life and Living Beings
22. Words from the World of Media
23. Adjectives: The Descriptive Words
24. Homonyms, Homophones & Homographs
25. Synonyms and Antonyms
26. Compound Words/Words with Hyphenation

Dept. of Environmental Science ("Quantum GIS and its application in watershed Development)

Name and Duration of the Program

"Quantum GIS and it's application in watershed Development"

1.2.2 Envsc. GIS Workshop 2018-19

To,

Principal
Shri Shivaji Science College,
Amravati

Subject:- Permission to conduct workshop on "Quantum GIS And Its Application In Watershed Development"

R/S

We Dept. of Env. Sci. is going to conduct Five days workshop on "Quantum GIS And Its Application In Watershed Development". The workshop is scheduled on 29th Jan to 2 Feb 2019 from 1.00 p.m. to 6.30 P.m. All the P.G. (Env.Sci) students and B.Sc. final year students of Env. Sci. is the target group. All the lecturer, will be conducted in Env. Sci. Lab & hand on practice will be provided in Computer Lab no.3. Content of the workshop is useful to target group.

Kindly permit us to arranged this workshop.

Thanking You

Your sincerely

Date:-28.01.2019

Permitted

Dr. S. P. Ingole
Head
Dept. Of Env. Sci.

NOTICE

Dear Students,

Department of Environmental science in collaboration with Geotech GIS Training Institute, Aurangabad is organizing **5 Days** workshop on **"Quantum GIS and it's application in watershed Development"** for P.G. Students" **from 29 January to 02 February 2019.**

The workshop avail opportunity to P.G. students to handle the quantum GIS software and explore the new knowledge in the field of GIS in the area of watershed Development.

Registration is free.

After the successful completion ofcourse students will get Certificate.



Dr. S.P. Ingole
Head
Dept. Of Environmental Science
Shri Shivaji Science College,
Amravati.

List of the Students Enrolled and Attendance

List of Students for GIS Workshop

(2018-19)

M. Sc I

M.Sc. II

Sr. No.	Name of Student
1	Ku. AnkitaRajendraKanhekar,
2	Ku. AkanshaAnilsinghGautam
3	AnkitSatishJawanjal
4	Ku. AshwiniRavindraGiri,
5	Ku. Chakuli Ramesh Bayaskar,
6	Ku. GayatriRajendraUgale,
7	Ku. KanchanPramodraoBansod
8	Ku.KishoriVijayraoSambhare
9	Ku. LeenaShivanandMadane
10	Ku. ManishaUmakantBhatkar,
11	Ku. Minal Vijay Ingole
12	Ku. ParvaniShivajiraoGhormade,
13	Ku. PoojasakharamDutonde
14	Ku. PoojaRajendraChoudhary,
15	Ku RadhikaSharadraoDahane
16	RiteshKailasraoJanuskar
17	Ku.RuchaHariKaple,
18	Ku. Samiksha R. Kale
19	Ku. ShravaniYasudeoJaware,
20	Ku. ShwetaNandkishorLahane,
21	Ku. TejaswiniPrabhakarDhandar,
22	Ku. VishakhaPramodraoWankhade
23	Ku. YaminiPundlikraoMadke
24	Ku. ArchanaManikraoRaibole

Sr. No.	Name of Student
1	Ku. Ankita N. Nagmote
2	Ku. Anuja S. Badase
3	Ku. Deeksha D. Gajbhiye
4	Ku. Kashmita S. Dandge
5	Ku. Karuna H. Sonone
6	Ku. Komal G. Thokal
7	Ku. Komal S. Lodam
8	Ku. MehwishKausar Abdul Razique
9	Ku. Mohini M. Shelke
10	Ku. Mrunali G. Bhagat
11	Ku. Radhika K. Bonde
12	Ku. Radhika U. Lande
13	Ku. Roshani M. Bhure
14	Ku. Sakshi A. Wankhade
15	Ku. SalehaSameenMumtaz Ahmad
16	Ku. Shradha J. Pachori
17	Ku. Sonu D. Dhande
18	Ku. Vaishnavi D. Chavhan
19	Ku. Vaishnavi V. Kharad
20	Ku. Prajakta S. Deshmukh
21	Manish R. Meshram
22	TejasGayaki

Dr. S.P. Ingole
Head
Dept. Of Environmental Science
Shri Shivaji Science College,
Amravati.

SHRI SHIVAJI SCIENCE COLLEGE, AMRAVATI.

DEPARTMENT OF ENVIRONMENTAL SCIENCE

5 Days workshop on "Quantum GIS and it's application in watershed Development"

STUDENTS ATTAINDANCE.

Sr. No.	Name of Student	29/1/19	30/1/19	31/1/19	01/02/19	02/02/19
1	Ku. AnkitaRajendraKanhekar,	P	P	P	P	P
2	Ku. AkanshaAnilsinghGautam	P	P	P	P	P
3	AnkitSatishJawanjal	P	P	P	P	P
4	Ku. AshwiniRavindraGiri,	P	P	P	P	P
5	Ku. Chakuli Ramesh Bayaskar,	P	P	P	P	P
6	Ku. GayatriRajendraUgale,	P	P	P	P	P
7	Ku. KanchanPramodraoBansod	P	P	P	P	P
8	Ku.KishoriVijayraoSambhare	P	P	P	P	P
9	Ku. LeenaShivanandMadane	P	P	P	P	P
10	Ku. ManishaUmakantBhatkar,	P	P	P	P	P
11	Ku. Minal Vijay Ingole	P	P	P	P	P
12	Ku. PurvaniShivajiraoGhormade,	A	P	P	P	P
13	Ku. PoojasakharamDutonde	P	P	P	P	P
14	Ku. PoojaRajendraChoudhary,	P	P	P	P	P
15	Ku RadhikaSharadraoDahane	P	P	P	P	P
16	RiteshKailasraoJaruskar	P	A	P	P	A
17	Ku.RuchaHariKaple,	P	P	P	P	P
18	Ku. Samiksha R. Kale	P	P	P	P	P
19	Ku. ShravaniYasudeoJaware,	P	P	P	P	P
20	Ku. ShwetaNandkishorLahane,	P	P	P	P	P
21	Ku. TejaswiniPrabhakarDhandar,	P	P	P	P	P
22	Ku. VishakhaPramodraoWankhade	P	P	P	P	P
23	Ku. YaminiPundlikraoMadke	P	P	P	P	P

(Teacher Incharge)

24	Ku. ArchanaManikraoRaibole	P	P	P	P	P
25	Ku. Ankita N. Nagmote	P	P	P	P	P
26	Ku. Anuja S. Badase	P	P	P	P	P
27	Ku. Deeksha D. Gajbhiye	P	P	P	P	P
28	Ku. Kashmita S. Dandge	P	P	P	P	P
29	Ku. Karuna H. Sonone	P	P	P	P	P
30	Ku. Komal G. Thokal	P	P	P	P	P
31	Ku. Komal S. Lodam	P	P	P	P	P
32	Ku. MehwishKausar Abdul Razique	A	P	P	P	P
33	Ku. Mohini M. Shelke	P	P	P	P	P
34	Ku. Mrunali G. Bhagat	P	P	P	P	P
35	Ku. Radhika K. Bonde	P	P	P	P	P
36	Ku. Radhika U. Lande	P	P	P	P	P
37	Ku. Roshani M. Bhure	P	P	P	P	P
38	Ku. Sakshi A. Wankhade	P	P	P	P	P
39	Ku. SalehaSameenMumtaz Ahmad	P	P	P	P	P
40	Ku. Shradha J. Pachori	P	P	P	A	P
41	Ku. Sonu D. Dhande	P	P	A	P	P
42	Ku. Vaishnavi D. Chavhan	P	P	P	P	P
43	Ku. Vaishnavi V. Kharad	P	P	P	P	P
44	Ku. Prajakta S. Deshmukh	P	P	P	P	P
45	Manish R. Meshram	P	P	P	P	P
46	Tejas Gayaki	P	P	P	P	P

Dr. S.P. Ingole
Head
Dept. Of Environmental Science
Shri Shivaji Science College,
Amravati.

(Teacher Incharge)

Dept. Of Environmental Science
Shri Shivaji Science College,
Amravati.

Curriculum and Time table

Five Day Training Program of

"Quantum GIS and Its Application in Watershed Development"

Geotech GIS Training Institute, Aurangabad, District: Aurangabad, Maharashtra" (India)

Training Schedule: 2018-19

Day	Time	Session
29 Jan 2019	8.00 – 9.00am 9.00 - 9.15am 9.15 -11.15am	Basic Concepts of GIS Tea Break How to Download Qgis Software
30 Jan 2019	11.00 – 12.00pm 12.00 – 1.00pm	Basic Concept of GIS (Practical)
31 Jan 2019	8.00 – 4.00pm	Digitization in QGIS and Download Vector Data
01 Feb 2019	8.00 – 4.00pm	Interface of Google Earth Pro and Qgis
02 Feb 2019	8.00 – 4.00pm	Download DEM, Create Slope, Aspect and Contour Map

Dr. S.P. Ingole
Head
Dept. Of Environmental Science
Shri Shivaji Science College,
Amravati.

Five Day Training Program of

"Quantum GIS and Its Application in Watershed Development"

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29 Jan 2019	8.00 – 9.00am 9.00 - 9.15am 9.15 -11.15am	Basic Concepts of GIS Tea Break How to Download Qgis Software
30 Jan 2019	11.00 – 12.00pm 12.00 – 1.00pm	Basic Concept of GIS (Practical)
31 Jan 2019	8.00 – 4.00pm	Digitization in QGIS and Download Vector Data
01 Feb 2019	8.00 – 4.00pm	Interface of Google Earth Pro and Qgis
02 Feb 2019	8.00 – 4.00pm	Download DEM, Create Slope, Aspect and Contour Map

Dr. S.P. Ingole
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Dept. Of Environmental Science
Shri Shivaji Science College,
Amravati.

Assessment

Assessment :All the students have successfully completed the 5 days certificate course.



Shri Shivaji Education S ociety,Amravati

Shri Shivaji Science College, Amravati

Accredited by NAAC 'A' Grade Identified by UGC-CPE,DST-FIST & SGBAU-Lead College

"Five Days Training Programe for P.G. Student on Quantum GIS and its application in Watershed Development"

29/01/2019 to 02/02/2019

Organized By

DEPARTMENT OF ENVIRONMENTAL SCIENCE

And

GEOTECH GIS TRAINING INSTITUTE AND CONSULTANCY ,AURANABAD.

CERTIFICATE

This is certify that Mr./Ms. _____

Has Actively Participated in the Training Programme on "Five Days Training Programe for P.G. Student on Quantum GIS and its application in Watershed Development " Porgramme by Department of Environmental Science, Shri Shivaji Science College, Amravati & Geotech GIS Training Institute Auranagabad, Maharashtra (India).

Dr. Aniket R. Borgawkar
Managing Director
Geotech GIS Institute Aurangabad

Dr.S. P. Ingole
H.O.D.
Dept. of ENV.SCI.

Dr. V. G. Thakare
Principal
Shi Shivaji Science College ,Amravati

Summary Report and Outcome

Summary Report& Course outcome

"STTP on Quantum GIS and its application in watershed Development"

(2018-19)

- Quantum GIS (QGIS) is an open-source Geographic Information System & one of the most popular software for working with spatial data.
- This course helps students to learn how to integrate a distributed watershed model with Geographic Information System (GIS), prepare watershed maps and will be able to suggest the best suitable sites for rainwater harvesting structure.

- The **5 days** (40 Hrs.) certificate course was conducted from **29 Jan to 02 Feb 2019** from 1.00 p.m. to 6.30 p.m.**46 students** of P.G. from the Dept. of Env. Sci. were enrolled for this certificate course.
- All the lectures were conducted in Env. Sci. Lab & hands-on practice was organized in Computer Lab no.3. Practical's as assignment were given to all students. Final examination was conducted. Certificates were provided to all successful students.

- **COURSE OUTCOMES:**

At the end of the course, participants will be able to:

- Define GIS
- Download & Install QGIS on LAPTOP or PC
- Explore Geo-reference Toposheet / Satellite Image
- Create Shape File add Attribute Field (Colum).
- Edit (digitize) on Toposheet / Satellite image
- Save editing task and add the information about Study Area.
- Compose Map Layout
- To Save Project File (QGS) on Relative path
- To pursue the field of GIS and help to find new opportunities in carrier and research in this field.

Dr. S.P. Ingole
Head
Dept. Of Environmental Science
Shri Shivaji Science College,
Amravati.

Dept. of Microbiology (Certificate Course in Clinical Laboratory Technology -CLT)

Name and Duration of the Program

SHRI SHIVAJI SCIENCE COLLEGE, AMRAVATI

Department of Microbiology

Admission Notice to CLT (COC) Course – 2018-19

Date: 21/08/2018

Admissions are open to B.Sc. I Students for CLT (Certificate Course in Laboratory Technology) under COC programme. Interested Students can take admission to this course.

Co-ordinator

Dr. C. S. Ukesh

Head
Department of Microbiology
Shri Shivaji Science College,
Amravati

List of the Students Enrolled and Attendance

Admitted List of Students for CLT 2018-2019

Sr. No	Name of Students	Class	Contact no.
1	Aditi P. Daga	B.Sc. I (Biotech)	9881484120
2	Aditi P. Agrawal	B.Sc. I (Biotech)	9373211699
3	Arpita S. Dongare	B.Sc. I (Biotech)	7057687352
4	Apurva R. Khese	B.Sc. I (Biotech)	9766108954
5	Abha B. Patil	B.Sc. I (Biotech)	7559380281
6	Ambika N. Gulhane	B.Sc. I (Micro)	9325829631
7	Aditi P. Agrawal	B.Sc. I (Micro)	9373211699
8	Ashwini S. Pawar	B.Sc. I (Micro)	982214573
9	Chetan R. Lachure	B.Sc. I (Micro)	8308599805
10	Gaurav V. Lunge	B.Sc. I (Micro)	98703686
11	Janhvi N. Warkad	B.Sc. I (Micro)	9284408458
12	Kaushal S. Kale	B.Sc. I (Micro)	9325570641
13	Kunal V. Deshmukh	B.Sc. I (Micro)	9822462287
14	Kamalika S. Bagde	B.Sc. I (Micro)	9049737787
15	Manasi D. Tawale	B.Sc. I (Micro)	9049944972
16	Nisha K. Barad	B.Sc. I (Biotech)	9823817317
17	Nikhil G. Kurwade	B.Sc. I (Biotech)	9552288080
18	Nisha S. Mokhale	B.Sc. I (Micro)	
19	Nikita R. Sonar	B.Sc. I (Micro)	8805779237
20	Nistha raut	B.Sc. I (Micro)	
21	Nikhil Ganesh Yende	B.Sc. I (Micro)	7038267655
22	Nilima Khanderao	B.Sc. I (Micro)	9359064461
23	Prerana s. Swami	B.Sc. I (Biotech)	9423126772
24	Prarthana P. Tiwari	B.Sc. I (Biotech)	7972824227
25	Pooja S. Sharma	B.Sc. I (Micro)	9372793635
26	Pratiksha S. Sahu	B.Sc. I (Micro)	7218492545
27	Rakshita C. Ukesh	B.Sc. III (Micro)	9881885219
28	Rutuja T. Deshmukh	B.Sc. I (Biotech)	9561756261
29	Rutuja S. Vaidya	B.Sc. I (Micro)	8888289402
30	Rucha R. Pimparkar	B.Sc. I (Micro)	9420041509
31	Rutuja Ingle	B.Sc. I (Micro)	9420833819
32	Sameera W. Ahmed	B.Sc. I (Biotech)	7083025192
33	Snehal P. Dhote	B.Sc. I (Biotech)	8805796528
34	Sakshi V. Tiwari	B.Sc. I (Biotech)	9011778798
35	Saurabh S. Adhau	B.Sc. I (Micro)	7507823727
36	Shataksi D. Maske	B.Sc. I (Micro)	9823748565
37	Shreya V. Barbude	B.Sc. I (Micro)	9960109071

Head
Department of Microbiology
Shri Shivaji Science College,
Amravati

38	Shreya P. Ingle	B.Sc. I (Micro)	9673645308
39	Sajana U. Ukey	B.Sc. I (Micro)	9665231939
40	Ishrat H. Shaikh	B.Sc. I (Bio)	7219783970
41	Pallavi V. Shende	B.Sc. I (Bio)	9284232793
42	Pranali Suresh Rohghe	B.Sc. III (Micro)	8459092075
43	Tejaswini K. Gaidhane	B.Sc. I (Micro)	9767353277
44	Vaishnavi D. Hatwar	B.Sc. I (Biotech)	9890836578
45	Vishaka R. Rathod	B.Sc. I (Micro)	9511946989
46	Vaibhavi P. Dahale	B.Sc. III (Micro)	7841863751
47	Vaishnavi A. Pawar	B.Sc. I (Micro)	8830986530

Course In-charge
Dr. C.S.Ukesh

HOD
Deptt. of Microbiology

Department of Microbiology
Shri Shivaji Science College
Amravati



CLP - Diploma

ATTENDANCE SHEET FOR THE MONTH OF 2018-19

S.N.	Roll No.	Name of the Student	1	2	3	4	5	6	7	8	9
1		Banamtiwala Rukshiya m	P	P	P	P	P	P	P		
2		Chandan Gayathri m	P	P	P	P	P	P	P		
3		Dike R. Pragati Bio	-	-	-	-	-	-	-		
4		Jain Rutuja m	P	P	-	-	-	-	-		
5		Jain Jineesha m	P	P	P	P	P	P	P		
6		Jamthe Ashvini m	P	P	P	P	P	P	P		
7		Makeshwar Manasi M	P	P	P	P	-	P	P		
8		Motwani Anjali m	-	P	P	P	-	P	P		
9		Mopari Bhagyeshree m	P	P	P	P	P	P	P		
10		Panankar Sakshi m	-	-	-	-	-	-	-		
11		Rajput Ruchita m	-	P	P	-	P	P	P		
12		Sharma Ritika m	-	-	P	P	P	P	P		
13		Shirsat Haruchija m	P	P	P	P	P	P	P		
14		Shenaje R. Radhika m	P	P	P	P	P	P	P		
15		Thakare Minal m	-	P	P	P	P	P	P		
16		Wankhade Vaishnavi m	-	P	-	-	-	-	-		
17											
18											
19											
20											
21	41	Pallavi V. Shende Bio	-	-	P	P	-	-	-		
22	42	Puranjali S. Ronghe m	-	-	P	P	P	-	-		
23	43	Tejaswini K. Gaidhane m	-	-	-	P	-	P	P		
24	44	Vaishnavi D. Hatwar B	-	-	-	P	P	P	P		
25	45	Vishakha R. Rathod m	-	-	-	P	P	P	P		
26	46	Vaibhavi P. Dahake m	-	-	P	-	P	-	-		
27	47	Vaishnavi A. Pawar B	-	-	P	P	-	-	P		
28	48	Yash A Pawar Khandare m	-	-	P	P	-	-	-		
29											
30											
31											
32											
33											
34											
35											
36											
37											
38											
39											
40											
		Sign of Teacher (1)									
		Sign of Teacher (2)									
		Date		2	16	23	30	7	14	21	28	6
		Total No. of Student Present									

Sept — Oct — Nov

Total No. of Present of the student during the month.
Total No. of Absent of the student during the month.

Head

Principal

10	11	12	13	14	15	16	P	A	%
P	P	P	P	P	P	P			
P	P	P	P	P	P	P			
P	-	P	P	P	P	P			
P	P	P	-	P	P	P			
P	P	P	-	P	P	P			
P	P	P	-



ATTENDANCE SHEET F

S.N.	Roll No	Name of the Stude
1		Banambiwala Rut
2		Chandan Gayatri
3		Dike R. Panageeli
4		Jain Rutuja
5		Jain Jineesha
6		Jamthe Ashwini
7		Makeshwar Ma
8		Motwani Anjali
9		Mopani Bhagya
10		Panankar Gaka
11		Rajput Ruchita
12		Sharma Ritika
13		Shirsat Haruch
14		Shenaje R- Rac
15		Thakare Mina
16		Wankhade Vaish
17		
18		
19		
20		
21	41	Pallavi V. Shende
22	42	Puranali S. Rongh
23	43	Tejaswini K. Gaid
24	44	Vaishnavi D. Hatu
25	45	Vishakha R. Rath
26	46	Vaibhavi P. Dah
27	47	Vaishnavi A. Pau
28	48	Yash A Pawt Khan
29		
30		
31		
32		
33		
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39		
40		

Sign of Teacher (1)

Sign of Teacher (2)

Date

Total No. of Student Present

No. of Present of the student during the month.
No. of Absent of the student during the month.

ATTENDANCE SHEET
FOR THE MONTH OF DCJT
TOTAL No. OF STUDENT ON ROLL 16

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	P	A	%
P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P			
P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P			
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
P	P	P	P	P	P	-	-		P	P	P	P	P	P	P			
P	P	P	P	P	P	-	-	-	P	P	P	P	P	P	P			
P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P			
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
-	-	-	-	-	-	-	-	-	P	P	-	-	P	P	P			
P	P	-	-	-	P	P	P	P	P	P	-	-	P	P	P			
P	P	P	P	P	-	-	P	P	-	-	P	P	P	-	P			
P	P	P	P	P	-	P	P	P	P	P	-	P	P	P	P			
P	P	P	P	P	P	-	P	P	P	P	-	P	-	P	P			
-	-	-	-	-	P	P	P	P	-	P	P	P	P	P	P			
P	P	P	P	-	-	P	P	P	-	-	-	P	P	P	P			
P	P	P	P	P	P	P	P	P	P	P	P	-	P	P	P			
P	-	P	P	-	-	-	-	P	P	P	P	P	P	P	P			

P Total No. of Present of the student during the month.
A Total No. of Absent of the student during the month.

Head

Principal


ATTENDANCE SHEET
MONTH OF
Name of the Student
Aditi P. Daga
Aditi P. Agrawal
Anupida S. Dongre
Apurva R. Khese
Arpita B. Patil
Ambika N. Gulhane
Pratiksha Bobade
Ashvini S. Pawar
Chetan R. Lachure
Gaurav V. Lunge
Janvi N. Wankad
Kaushal S. Kale
Kunal V. Deshmukh
Kamalika S. Bagde
Manasi D. Tawale
Nisha K. Barad
Nikhil G. Kurwade
Nisha S. Makhale
Nikita R. Sonar
Nistha Raut
Nikhil G. Yende
Nilima Khandenao
Prerna S. Swami
Pranthna P. Tiwari
Pooja S. Sharma
Pratiksha S. Sahu
Rakshita S. Ukesh
Rutuja T. Deshmukh
Rutuja S. Vaidya
Rucha R. Pimpalkar
Rutuja Ingle
Sameera W. Ahmed
Snehal P. Dhote
Sakshi V. Tiwari
Saurabh S. Adhau
Shatakshi D. Maske
Shreya V. Barbude
Shreya P. Ingle
Sajana U. Ukey
Ishrat H. Shaikh
Sign of Teacher (1)
Sign of Teacher (2)
Date
Total No. of Student Present
Sept
2 16 23 30 7 14 21 28
Head
Principal

Curriculum and Time table

15. Preparation of Bone Marrow.
16. Morphology of Normal andAbnormal cells.
17. Coagulation test
18. Bleeding time, clotting time.
19. Urine analysis (Normal constituents, Physical examination, chemical examination & Microscopic examination.)
20. Stool Examination (Normal and Abnormal constituents.)
21. C.S.F. Examination (Normal and Abnormal Cell counts and different counts.)
22. Semen Analysis : (Physical examination, Mortality and Morphology)
23. Blood grouping and Blood Banking

PRACTICALS

Anatomy :

1. Study of permanent slides of cells and tissues.
2. Surface marking of body.
3. Skeletal system, bones and joints.

Physiology :

1. Microscope, usage, maintance, cleaning and minor repair.
2. Osmotic fragility test.
3. Identification of RBC under microscope.
4. DLC, Platelets, Reticulocytes.
5. To obtain sample of plasma and serum.
6. Preparation of oxalate, citrate, fluoride and EDTA anti coagulant Bulbs.
7. Haematocrit (PCV)
8. Neubour's chamber, pipettes (RBC/WBC), western green pipettes.
9. Haemoglobin estimation (By Sahli's method)
10. Blood pressure and pulse.
11. Examination of urine glucose and protein.
12. Record/Report writing.

Clinical Biochemistry :

1. Cleaning of Glassware.
2. Maintenance of laboratory instruments and cleaning.
   i. Centrifuge.
   ii. Colorimeter.
   iii. Spectrophotometer.
   iv. Microscope.
3. Estimation of serum Bilirubin, Blood Sugar, Blood Urea, Serum Creatinine, Uric acid, Cholesterol, Serum Acid phosphatase, Alkaline phosphatase, SGOT, SGPT, Serum Sodium/Potassium.
4. Qualitative and Quantitative estimation of urine sugar and protein.
5. C.S.F. protein, and sugar.

Microbiology

1. Gram staining technique.
2. Acid fast staining (Z.N)
3. Motility by hanging drop method.
4. Cultivation of UTI isolates.
5. Culture and sensitivity test (Kirby-Bauer method)
6. Biochemical test (Glucose, Lactose, Mannitol, Indole, MR, V.P.Citrate)

Haematology and Clinical Pathology.

1. Haemoglobin estimation by Sahli's method.
2. R.B.C. count.
3. TLC
4. DLC
5. Platelet count
6. Reticulocyte count.
7. Bleeding time, clotting time.
8. Examination of blood smear (Perpheral smear)
9. Eosinophil count: LE cell test, E.S.R. sickel cell test.
10. Stool examination for ova, cyst, Amoeba, Exudate, fat globule.
11. Routine Urine analysis.
12. Sputum Analysis.
13. Semen Analysis.
14. C.S.F. examination.
15. Bone Marrow smear Preparation.
16. Blood group: ABO and Rhfactor.

Field work / Project work : Project work / field work involving 90 hrs. minimum laboratory work and based on critical study of any one of the topics included in theory or practical should be completed for Certificate course. Project report of above 30 pages be submitted.

-10-

Distribution of marks

1.	Two major Experiments (7 marks each)	20
2.	Two minor Experiments (3 marks each)	10
3.	Spotting	08
4.	Viva	06
5.	Practical record	06
	Total Marks :	50

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LIST OF TOOLS AND EQUIPMENTS REQUIRED FOR CERTIFICATE / DIPLOMA / ADVANCED DIPLOMA COURSE IN CLINICAL LABORATORY TECHNOLOGY.

01.	Microscope	02.	Autoclave (Electric & gas operated)
03.	Hot plate (Electrical)	04.	Gas-cylinder with Bunsen burner.
05.	Spirit Lamp.	06.	Table centrifuge
07.	Refrigerator	08.	Colorimeter
09.	Hot-air-oven	10.	Waterbath
11.	Ringer-Timer	12.	Analytical balance.
13.	Physical balance	14.	Electronic Balance
15.	Flamephotometer	16.	Spectro Photometer
17.	Fluorometer.	18.	Vortex mixer.
19.	Centrifuge	20.	pH meter.
21.	Hot air-blower.	22.	Incubator.
23.	Inspissator	24.	Deioniser
25.	Pipette Washer	26.	Anaerobic jar
27.	Vacum pump	28.	Hydrogen and CO_2 Cylinder
29.	Dressing drum	30.	Water bath
31.	Pressure cooker	32.	VDRL Rotator
33.	Kahn rack	34.	Dreyer's rack
35.	Electrophoresis apparatus	36.	Seitz metal filter
37.	Aluminium suitcase	38.	Colony counter
39.	Blood cell counter	40.	Bohringer Balance (Rough)
41.	Hot plate	42.	Alarm time piece 1 hour ringer.
43.	Heamometer (Helige/Sahli) Complete	44.	Hemocytometer complete.
45.	Rosenthal counting chamber.	46.	ESR Rack
47.	ESR Tubes (Westergen's)	48.	Wintrobe's tubes.
49.	Gas cylinder	50.	Microscope lamp.
51.	Urinometer complete.	52.	Beaker 50 ml, 100 ml, 250 ml
53.	Autopsy Striker	54.	Drill Electric
55.	Electric Sparker	56.	Epidioscope
57.	Grinder	58.	Hot air Drier
59.	Microtome	60.	Stop Watch

REFERENCE BOOKS.

I. BIOCHEMISTRY.

1. Review of Physicological Chemistry, 18th Edn., Harold Haper A, Lange Medical Perb, California.
2. Laboratory practical for beginners, P.Veskresensky, Mir publishes, Pervy Rizbsky Perulek, Moscow, USSR.
3. Clinical chemistry in diagnosis and treatment, 3rd Edn. 1979. Noan P.Ziwa and P. R.Pannal, LLoyds Luke (Medical books) LTd., 49 Newman, ST. London.
4. Manual Cardiovasccular diagonsis and therapy, Joseph S, Albert, James M. Ripps, Asian Ed., Little Brown & Company, Boston, Medical Services International Ltd., Tokyo.
5. Fundamentals of Biochemistry - A.C. Deb, New Central Book Agency, 8/1 Chintamanidas Lane, Calcutta - 700 009.
6. Principles of Biochemistry, 5th Edn. Mcraw hill Book Co., New York- A White P. Handler, E.L.Smith.
7. Fundamentals of Biochemistry - J.L.Jain S. Chand & Co.LTd., Ramnagar, New Delhi 110 055
8. Biochemistry - Datta, S.P.Ottaway J.H.Barelliere Tindall and Cssell London.
9. Enzyme diagnosis in diseases of the Heart, Liver and Pancreas - Adolph and R Lorenz Hanhum S. Kargeer. A.G.P.O. Box Ch. 4009 Basel, Switzerland.
10. A Premier of water Electrobyte and acid base Syndromes - E Gold Reger, Indian Edn., K.M.Verghese Co, 7119, Bombay 400 031
11. Clinical Interpretation of Laboratory Test, 9th Edn., Francis Widmann. P.G.Publishing Pvt. Ltd., Singapore, Hongkong.
12. Practical clinical biochemistry, - A.H.Covenlock, M.Bell, William Heimann, Med. Book Ltd., London.
13. Clinical Biochemistry - Principles & Procedures - 4th Edn. Annino J.S. and R. N.
14. A short test book on Clinical biochemistry - Baron D.N. English Universities Press, London.
15. Clinical Chemistyry for small hospitals, Laboratory - Reynold M.D.
16. Micro Analysis in Medical Biochemistry, 6th Edn., Wooton, I.D.P. Churchill Livingstone, Edinobourgh & London.
17. Seiverds Chemistry for Medical Technologists, 2nd Edn., W.I.White, Sam Frankel The C.V. Mobsy C., Saint Louis, USA.
18. Clinical Laboratory Methods, 5th Edn, - Bauer J.D., Ackeramann, P.G. land Toro Gl, the C.V. Mobsy C., St. Louis.

SYLLABUS PRESCRIBED FOR CERTIFICATE COURSE IN CLINICAL LABORATORY TECHNOLOGY.

THEORY

Unit I : Anatomy

Anatomical structure and location/distribution of different part of human body with anatomical terms andplanes.

- Gastro intestinal tract.
- Salivary glands, stomach, intestine.
- Liver, Gall bladder, spleen, pancreas
- Respiratory system
- Kidneys. Urater, Bladder.
- Testes (male genital organ)
- Ovaries. Uterus, Vagina, Urethra.

Unit II: Physiology

- Blood composition and function.
- Normal counts of blood cells and their function.
- Steps of coagulation, anticoagulants
- CSF
- Blood grouping, ABO and Rh typing.

Cardiovascular system.

- Heart structure and function.
- Blood vessels.
- Circulation
- Pulse, Blood pressure, Electrocardiogram.

Respiratory system.:

- Organs of Respiration.
- Transport of O_2 and CO_2 in the blood.

Excretory System:

- Functions of Kidneys.
- Functions of Glomerular tubules.
- Compositionof normal and abnormal urine.

Digestive System :

- Function of stomach, saliva, gastric juice, pancreatic juice.

Endocrine Glands :

- Defination of endocrine glands, name and Hormones secreted.
- Action of hormones.

Reproductive System :

- Sex organs, male and female.
- Testes and ovaries.
- Contraceptives.

Unit III : Elementry Clinical Biochemistry 10 lectures (5+5)

- Elementry knowledge, handling, maintance, and care of analytical instruments.
  a) Centrifuge
  b) Balance
  c) Colorimeter.
  d) Definaton, classification and examples of carbohydrates, proteins, and lipids.

Unit IV : Microbiology 20 lectures (10+10)

1. Introduction to Microbiology, Morphological classfication of Bacteira.
2. Cultivation of bacteria acrobic and anaerobic.
3. Culture media, types of media, special media.
4. Sterilization and Disinfection (Physical and Chemical methods)
5. Morphology and Pathogenicity of Staphlococci, Streptococci, Salmonella, Shigella and Vibrio.
6. Morphology, Pathogenicity and methods of isolation of Mycobacte-rium tuberculosis and Mycobacterium leprae.
7. Antimicrobial susceptibility test.
8. Preservation of stock cultures.

Unit V : Haematology and clinical pathology. 20 lectures (10+10)

1. Introduction to Haematology.
2. Collection of blood - ways of collection.
3. Anticoagulants.
4. Red cell count - Haemocytometry.
5. White cell count - TLC
6. Differential white cell count. (DLC)
7. Absolute Eosinophil count.
8. ESR
9. Haematocrit - Packed cell volume (PCV)
10. Haemoglobin estimation.
11. Red cell Indices MCV, MCH, MCHC.
12. Reticulocyte count.
13. Sickel cell preparation.
14. Osmotic Fragility test

Assessment

S.G.B AMRAVATI UNIVERSITY PRACTICAL EXAM SUMMER -2018-19

Centre: Shri Shivaji Science College, Amravati

Class: Certificate Course in Clinical Laboratory Technology

Sr. No.	Name of the Students	Theory marks (100)	Practical marks (50)	Project marks (50)	Total (200)	Percentage	Grade
1	Aditi P. Daga	66	43	42	151	75.5%	A
2.	Aditi P. Agrawal	58	45	43	146	73%	A
3.	Arpita S. Dongare	73	42	40	155	77.5%	A
4.	Apurva R. Khese	60	42	41	143	71.5%	A
5.	Abha B. Patil	69	45	42	156	78%	A
6.	Ambika N. Gulhane	54	41	43	138	69%	B
7.	Ashwini S. Pawar	65	44	44	153	76.5%	A
8.	Chetan R. Lachure	61	40	45	146	73%	A
9.	Gaurav V. Lunge	40	42	42	124	62%	B
10.	Janhvi N. Warkad	69	43	43	155	77.5%	A
11.	Kaushal S. Kale	67	43	45	155	77.5%	A
12.	Kunal V. Deshmukh	63	42	42	147	73.5%	A
13.	Kamalika S. Bagde	67	44	41	152	76%	A
14.	Manasi D. Tawale	66	45	42	153	76.5%	A
15.	Nisha K. Barad	69	41	43	153	76.5%	A
16.	Nikhil G. Kurwade	65	44	42	151	75.5%	A
17.	Nisha S. Mokhale	64	42	41	147	73.5%	A
18.	Nikita R. Sonar	58	42	42	142	71%	A
19.	Nistha raut	37	45	43	125	62.5%	B
20.	Nikhil Ganesh Yende	58	41	44	143	71.5%	A
21.	Nilima Khanderao	36	43	45	124	62%	B
22.	Prerana s. Swami	65	40	42	147	73.5%	A
23.	Prarthana P. Tiwari	62	42	43	147	73.5%	A
24.	Pooja S. Sharma	66	41	44	151	75.5%	A
25.	Pratiksha S. Sahu	68	43	41	152	76%	A
26.	Rakshita C. Ukesh	68	45	45	158	79%	A
27.	Rutuja T. Deshmukh	70	41	44	155	77.5%	A
28.	Rutuja S. Vaidya	58	43	42	143	71.5%	A
29.	Rucha R. Pimparkar	62	43	43	148	74%	A
30.	Rutuja Ingle	38	44	44	126	63%	B
31.	Sameera W. Ahmed	67	42	45	154	77%	A
32.	Snehal P. Dhote	70	42	42	154	77%	A
33.	Sakshi V. Tiwari	62	43	43	148	74%	A
34.	Saurabh S. Adhau	62	42	44	148	74%	A
35.	Shataksi D. Maske	37	41	44	122	61%	B
36.	Shreya V. Barbude	67	42	43	152	76%	A

Ukesh
14-7-19

37.	Shreya P. Ingle	62	45	42	149	74.5	A
38.	Sajana U. Ukey	73	41	45	159	79.5%	A
39.	Ishrat H. Shaikh	69	42	41	152	76%	A
40.	Pallavi V. Shende	73	41	40	154	77%	A
41.	Pranali Suresh Rohghe	66	42	42	150	75%	A
42.	Tejaswini K. Gaidhane	69	42	43	154	77%	A
43.	Vaishnavi D. Hatwar	64	43	44	151	75.5%	A
44.	Vishaka R. Rathod	64	40	45	149	74.5%	A
45.	Vaibhavi P. Dahale	66	43	42	151	75.5%	A
46.	Vaishnavi A. Pawar	71	41	43	155	77.5%	A
47.	Prajakta V. Bobade	38	45	42	125	62.5%	B
48.	Yash A. Khandare	60	40	45	145	72.5%	A

Internal Examiner

External Examiner



Shri Shivaji Education Society, Amravati's

Shri Shivaji Science College, Amravati

Re-accredited by NAAC with "A" Grade (Very Good) with a CGPA of 3.13 &
UGC Awarded College with Potential for Excellence

Clinical Laboratory Techniques

Career Oriented Course

Approved by UGC (University Grants Commission)

CERTIFICATE

This is to certify that Shri/Smt/Ku. Rakshita C. Ukesh

the within signed has successfully completed the Certificate Course of

CLINICAL LABORATORY TECHNIQUES

approved by UGC (University Grants Commission) in — Division / Grade

in the academic year 2018-19

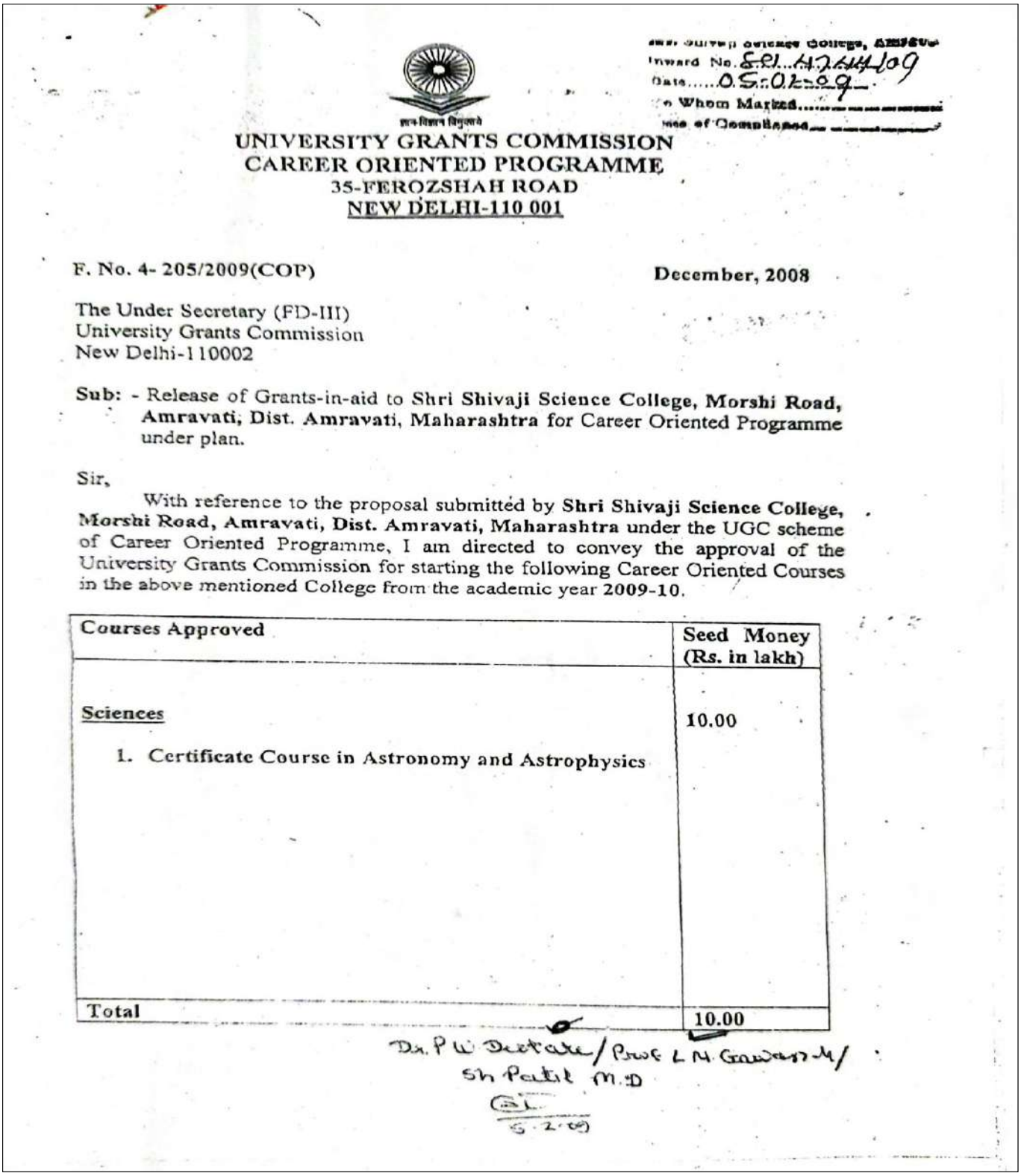
Date : 14/7/19

Course Coordinator

Principal

Department of Physics (COP-Astronomy and Astrophysics)

Name and Duration of the Program



Shri Shivaji Science College, Amravati
Inward No. ERI-47444/09
Date 05.02.09
To Whom Marked
Date of Compliance

UNIVERSITY GRANTS COMMISSION
CAREER ORIENTED PROGRAMME
35-FEROZSHAH ROAD
NEW DELHI-110 001

F. No. 4- 205/2009(COP) December, 2008

The Under Secretary (FD-III)
University Grants Commission
New Delhi-110002

Sub: - Release of Grants-in-aid to **Shri Shivaji Science College, Morshi Road, Amravati, Dist. Amravati, Maharashtra** for Career Oriented Programme under plan.

Sir,

With reference to the proposal submitted by **Shri Shivaji Science College, Morshi Road, Amravati, Dist. Amravati, Maharashtra** under the UGC scheme of Career Oriented Programme, I am directed to convey the approval of the University Grants Commission for starting the following Career Oriented Courses in the above mentioned College from the academic year **2009-10.**

Courses Approved	Seed Money (Rs. in lakh)
Sciences	10.00
1. Certificate Course in Astronomy and Astrophysics	
Total	10.00

Dr. P W Deotale / Prof L N Gaware M/
Sh Patil M.D
5.2.09

-2-

I am also directed to convey the sanction of the University Grants Commission for payment of **Rs. 10,00,000/-** (Rupees **Ten Lakh only**) to **Shri Shivaji Science College, Morshi Road, Amravati, Dist. Amravati, Maharashtra** as one time grant (Seed Money) under the scheme of Career Oriented Programme.

The assistance available in the programme is only in the form of a one – time as **"Seed Money"**. The amount may be utilized for the purchase of books and journals augmentation of laboratory facilities, equipment and payment of remuneration to the Guest faculty only.

The terms and conditions of the approval and grant released are as per the guidelines of the scheme.

1. The sanctioned amount is dabitable to the major Head **5.(i)** (Career Oriented to Education). The above sanction is valid for payment during the current financial year **2008-09.**
2. The amount of grant shall be drawn by the Under Secretary (Drawing and Disbursing Officer), University Grants Commission on the Grants –in –aid bill and shall be disbursed to the credited to the Principal, **Shri Shivaji Science College, Morshi Road, Amravati, Dist. Amravati, Maharashtra** through Demand Draft/Mail Transfer.
3. The grant is subject to the adjustment on the basis of Utilization Certificate in the prescribed proforma submitted by the University/College/Institution.
4. The University/College shall maintain proper accounts only on approved items of expenditure.
5. The Utilization Certificate to the effect that the grant has been utilized for the purpose for which it was sanctioned shall be furnished to the University Grants Commission as early as possible after the close of the current financial year.
6. The assets acquired wholly or substantially out of the University Grants Commission grant shall not be disposed or encumbered or Utilized for the purposes other than those for which the grant was given, without proper sanction of the University Grants Commission and should, at any time the college ceases to function, such assets shall revert to the University Grants Commission.
7. A Register of Assets acquired wholly or substantially out of the grant shall be maintained by the University in the prescribed form.
8. The grantee institution shall ensure the Utilization of grants-in-aid for which it is being sanctioned/paid. In case non-utilization/part utilization, the simple interest @ 10% per annum as amended from time to time on unutilized amount from the date of drawl to the date of refund as per provisions contained in General Financial Rules of Govt. of India will be charged.
9. **The University/College shall implement the programme from the academic year 2009-10 positively and UGC to be informed in this regard.**

10. The interest earned by the University/College/Institute on this grants in aid shall be treated as additional grant and may be shown in the U.C./Statement of expenditure to be furnished by grantee institutions.
11. The University/College shall follow strictly all the instructions issued by the Govt. of India from time to time with regard to reservation of posts for scheduled Caste and Scheduled Tribes.
12. The University/College shall fully implement the Official Language Policy of Union Govt. and comply with the Official Language Act, 1963 and Official Language (use for officially purpose of the Union) Rules, 1976 etc.
13. The Sanction issues in exercise of the delegation of powers vide Commission office order No. 25/92 dated May.01, 1992.
14. The funds to the extent are available under the scheme and has been noted in BCR for the year 2008-09 at S. No. 317 Page No. 45.

Yours faithfully,

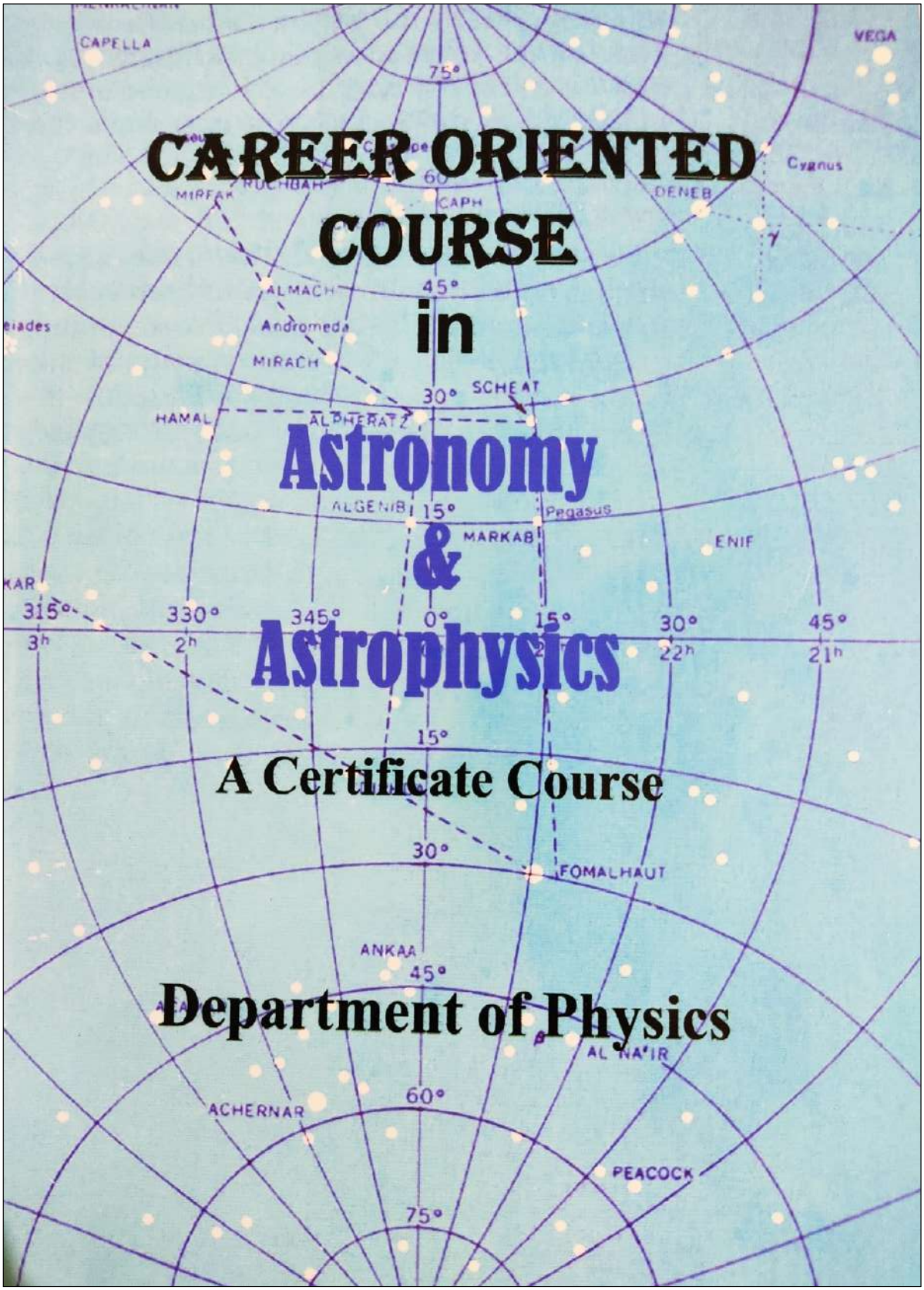
(Dr. (Mrs.) H.K. Chauhan)
Joint Director

Copy forwarded for information and necessary action to:

1. The Principal, **Shri Shivaji Science College, Morshi Road, Amravati, Dist. Amravati, Maharashtra** to intimate the receipt of the letter as well as the receipt of the sanction grant.
2. The Secretary to the Government of **Maharashtra**, Deptt. of Education, **Mumbai.**
3. The Registrar, **Sant Gadge Baba Amravati University, Amravati.**
4. Joint Director/Deputy Secretary/Education Officer, Western Regional Office, Ganeshkhind, Pune University Campus, Pune-411007, M.S.
5. Office of Director, General, Audit General Revenues, AGCR Bldg., I.P. Estate, New Delhi.
6. Guard File, UGC, New Delhi.

(Joginder)
Under Secretary

Principal
01.5.10.2.09


CAPELLA
VEGA
75°
CAREER ORIENTED
COURSE
Cygnus
MIRFAK
RUCHBAH
60°
CAPH
DENEB
ALMACH
45°
in
Andromeda
MIRACH
30°
SCHEAT
HAMAL
ALPHERATZ
Astronomy
ALGENIB
15°
Pegasus
MARKAB
ENIF
&
315°
330°
345°
0°
15°
30°
45°
3h
2h
22h
21h
Astrophysics
15°
A Certificate Course
30°
FOMALHAUT
ANKAA
45°
Department of Physics
AL NA'IR
ACHERNAR
60°
PEACOCK
75°

List of the Students Enrolled and Attendance

Certificate Course in Astronomy and Astrophysics
Students Attendance

August 2018

Sr. No.	Name	1	2	3	4	5	6	7	8
1	KALE KHUSHALI ANIL	P	P	P	P	P	P	P	P
2	KALE SAKSHI PRAMOD	P	P	P	A	P	P	P	P
3	SHENDE CHAVAN MOHAN	P	P	P	P	P	P	P	P
4	ASEGAONKAR OM GAJANAN	P	P	P	P	P	A	P	P
5	BHENDARE HARSHAL RAM	P	P	P	P	P	P	P	P
6	YAWLE SUYOG DEVIDASRAO	P	P	P	P	P	P	P	A
7	ROHANKAR MANASWI SUDHIR	P	P	P	A	P	P	P	P
8	PANCHBHAI SWETA RAJESH	P	P	P	A	P	P	P	P
9	RAUT SAKSHI HARIDAS	P	P	P	P	P	P	P	P
10	SAWALE ACHAL VITTHAL	A	P	P	P	P	P	P	P
11	CHAVHAN CHANDAN KISHOR	P	P	P	P	P	P	P	P
12	SOLANKE RUSHI	P	P	P	A	P	P	P	A
13	VAIBHAV GILORKAR	P	P	P	P	P	P	P	P
	Dates	6	7	13	14	20	21	27	28

Students Admitted &Passed in Astronomy Astrophysics
Certificate Course 2018-19

Sr. No.	Name	Class	Group
1	KALE KHUSHALI ANIL	B.Sc. I	PCM
2	KALE SAKSHI PRAMOD	B.Sc. I	PCM
3	SHENDE CHAVAN MOHAN	B.Sc. I	PCM
4	ASEGAONKAR OM GAJANAN	B.Sc. I	CMP
5	BHENDARE HARSHAL RAM	B.Sc. I	CAM
6	YAWLE SUYOG DEVIDASRAO	B.Sc. I	CMP
7	ROHANKAR MANASWI SUDHIR	B.Sc. I	CMP
8	PANCHBHAI SWETA RAJESH	B.Sc. I	PCM
9	RAUT SAKSHI HARIDAS	B.Sc. I	PCM
10	SAWALE ACHAL VITTHAL	B.Sc. I	PCM
11	CHAVHAN CHANDAN KISHOR	B.Sc. I	PCM
12	SOLANKE RUSHI	B.Sc. I	VBMV
13	VAIBHAV GILORKAR	B.Sc. III	pcm

Certificate Course in Astronomy andAstrophysics
Students Attendance

September 2018

Sr. No.	Name	P 1	2	3	4	5	6	7	8
1	KALE KHUSHALI ANIL	A	P	P	P	P	P		
2	KALE SAKSHI PRAMOD	P	P	P	P	P	A		
3	SHENDE CHAVAN MOHAN	P	P	P	P	P	P		
4	ASEGAONKAR OM GAJANAN	P	P	P	P	P	P		
5	BHENDARE HARSHAL RAM	P	P	P	P	P	P		
6	YAWLE SUYOG DEVIDASRAO	A	P	P	P	P	P		
7	ROHANKAR MANASWI SUDHIR	P	P	P	P	A	P		
8	PANCHBHAI SWETA RAJESH	P	P	P	P	P	P		
9	RAUT SAKSHI HARIDAS	P	P	P	P	P	P		
10	SAWALE ACHAL VITTHAL	P	P	P	P	P	P		
11	CHAVHAN CHANDAN KISHOR	A	P	P	P	P	P		
12	SOLANKE RUSHI	P	P	P	P	P	P		
13	VAIBHAV GILORKAR	P	P	P	P	P	A		
	Dates	5	6	12	19	26	27		

Certificate Course in Astronomy andAstrophysics
Students Attendance

October 2018

Sr. No.	Name	T 1	2	3	4	5	6	7	8
1	KALE KHUSHALI ANIL	P	P	P	P	P	P	P	P
2	KALE SAKSHI PRAMOD	P	P	P	P	P	P	P	P
3	SHENDE CHAVAN MOHAN	P	P	P	P	P	P	P	P
4	ASEGAONKAR OM GAJANAN	P	P	P	P	P	P	P	P
5	BHENDARE HARSHAL RAM	P	P	P	P	P	P	P	P
6	YAWLE SUYOG DEVIDASRAO	P	P	P	P	A	P	P	P
7	ROHANKAR MANASWI SUDHIR	P	P	P	P	P	P	P	P
8	PANCHBHAI SWETA RAJESH	P	P	P	P	P	P	P	P
9	RAUT SAKSHI HARIDAS	P	P	P	P	P	P	P	P
10	SAWALE ACHAL VITTHAL	P	P	P	P	P	P	P	P
11	CHAVHAN CHANDAN KISHOR	P	P	P	P	P	P	P	P
12	SOLANKE RUSHI	P	P	P	P	P	P	P	P
13	VAIBHAV GILORKAR	P	P	P	P	P	P	P	P
	Dates	1	8	9	15	16	22	23	29

Certificate Course in Astronomy andAstrophysics
Students Attendance

December 2018

Sr. No.	Name	1	2	3	4	5	6	7	8
1	KALE KHUSHALI ANIL	P	P	P	P	P	P	P	
2	KALE SAKSHI PRAMOD	P	P	P	P	P	P	P	
3	SHENDE CHAVAN MOHAN	P	P	P	P	P	P	P	
4	ASEGAONKAR OM GAJANAN	P	P	P	A	P	P	P	
5	BHENDARE HARSHAL RAM	P	P	P	P	P	P	P	
6	YAWLE SUYOG DEVIDASRAO	P	P	P	P	P	P	P	
7	ROHANKAR MANASWI SUDHIR	P	P	P	P	P	P	P	
8	PANCHBHAI SWETA RAJESH	P	P	P	P	P	P	P	
9	RAUT SAKSHI HARIDAS	P	A	P	P	P	P	P	
10	SAWALE ACHAL VITTHAL	P	P	P	P	P	P	P	
11	CHAVHAN CHANDAN KISHOR	P	P	P	P	P	P	P	
12	SOLANKE RUSHI	P	P	P	P	P	P	P	
13	VAIBHAV GILORKAR	P	P	P	P	P	P	P	
	Dates	5	6	12	13	18	19	26	

Certificate Course in Astronomy andAstrophysics
Students Attendance

January 2019

Sr. No.	Name	1	2	3	4	5	6	7	8
1	KALE KHUSHALI ANIL	P	P	P	P	P	P	P	P
2	KALE SAKSHI PRAMOD	P	P	P	P	P	P	P	P
3	SHENDE CHAVAN MOHAN	P	P	P	P	A	P	P	P
4	ASEGAONKAR OM GAJANAN	P	P	P	P	P	P	P	P
5	BHENDARE HARSHAL RAM	P	P	P	P	P	P	P	P
6	YAWLE SUYOG DEVIDASRAO	P	P	P	P	P	P	P	A
7	ROHANKAR MANASWI SUDHIR	P	P	P	P	P	P	P	P
8	PANCHBHAI SWETA RAJESH	P	P	P	P	P	P	P	P
9	RAUT SAKSHI HARIDAS	P	P	P	P	A	P	P	P
10	SAWALE ACHAL VITTHAL	P	P	P	P	P	P	P	P
11	CHAVHAN CHANDAN KISHOR	P	P	P	P	P	P	P	P
12	SOLANKE RUSHI	P	P	P	P	P	P	A	P
13	VAIBHAV GILORKAR	P	P	P	P	P	P	P	P
	Dates	1	7	8	14	15	21	22	28

Certificate Course in Astronomy andAstrophysics
Students Attendance

February 2019

Sr. No.	Name	1	2	3	4	5	6	7	8
1	KALE KHUSHALI ANIL	P	P	P	P	P	P	P	P
2	KALE SAKSHI PRAMOD	P	P	P	P	P	P	P	P
3	SHENDE CHAVAN MOHAN	P	P	A	P	P	P	P	P
4	ASEGAONKAR OM GAJANAN	P	P	P	P	P	P	P	P
5	BHENDARE HARSHAL RAM	P	P	P	P	P	A	P	P
6	YAWLE SUYOG DEVIDASRAO	P	P	P	P	P	P	P	P
7	ROHANKAR MANASWI SUDHIR	P	P	P	P	P	P	P	P
8	PANCHBHAI SWETA RAJESH	A	P	P	P	P	P	P	P
9	RAUT SAKSHI HARIDAS	P	P	P	P	P	P	P	P
10	SAWALE ACHAL VITTHAL	P	P	P	P	P	P	P	P
11	CHAVHAN CHANDAN KISHOR	P	P	P	P	P	P	P	P
12	SOLANKE RUSHI	P	P	P	P	P	P	P	P
13	VAIBHAV GILORKAR	P	P	P	P	P	P	P	P
	Dates	6	7	13	14	20	21	27	28

Curriculum and Time table

CAREER ORIENTED COURSE SYLLABUS

Certificate Course in Astronomy and Astrophysics

Duration: Annual

Theory: 10 credits of 15 hours each

Unit I **History of Astronomy**

- Pre historic astronomy
- Early ideas of heavens
- Astronomy as tool in every day life and basis for religion.
- Contributions by ancient Hindu, Arabic and Greek astronomers or thinkers like Ptolemy, Aryabhatta, Varahmir, Nicolas Copernicus, Johannes Kepler, Galileo Galili, Tycho Brahe, Issac Newton etc.

Unit II **Sky and Coordinate system in Astronomy**

- Aspect of sky at a given place
- Sky conditions for astronomical observations
- Identification of some prominent stars in the night sky
- Spherical coordinate system.
- Latitude and longitude at a place on the earth.
- Celestial coordinate system (RA and Dec).
- Concept of celestial equator, elliptic and equinoxes.
- Precession of equinoxes.
- Astronomical definition of time.
- Visual magnitude system for stars and planets.

Unit III **Sky observations at night**

- Ideal sky for astronomical observations.
- Constellation including Zodiac belt.
- Sky charts.
- Motion of moon.
- Apparent motion of sun.
- Motion of planets.

Unit IV **Astronomical Instruments -I**

- Sextant : Principle of working and its application for measurement of coordinates of stars and planets.
- Binoculars : Principle of working, field of view, magnifying power, resolving power.
- DSLR camera : Principle of working and its features.

Field work/Project work : Field work/Project work based on critical study of any one of the topics included in theory or practical should be completed for the course.

Training : Training at leading research institute in India.

Practical : Perform at least 15 experiments based on theory paper.

Time Table

Session 2018-19

Day	Theory 06:30 – 07:30 PM	Practical 07:30 – 09:30 PM
Mon	CC (WSB)	DC (PAN)
Tue	CC (PAN)	DC (WSB)
Wed	ADC (SSA)	CC (PAN)
Thu	ADC (PAN)	CC (WSB)
Fri	DC (VBB)	ADC (PAN)
Sat	DC (VBB)	ADC (PAN)

CC: Certificate Course, DC: Diploma Course, ADC: Advanced Diploma Course

Assessment

SHRI SHIVAJI SCIENCE COLLEGE, AMRAVATI

DEPARTMENT OF PHYSICS

Assessment

Career Oriented Program (COP)

Astronomy and Astrophysics

Result Analysis (2018-19)

Course	Year	No. of students admitted	No. of students passed
Certificate	2018-19	13	13

Shri Shivaji Education Society, Amravati's

Shri Shivaji Science College, Amravati

NAAC Accredited by Grade "A" with CGPA of 3.13 (Third Cycle),
UGC Awarded Status of College with Potential for Excellence (Second Phase),
Identified by DST, Govt of India for FIST and Sant Gadge Baba Amravati University, Amravati as Lead College

COC ASTRONOMY & ASTROPHYSICS

ASTRONOMY AND ASTROPHYSICS

Career Oriented Course

Approved by SANT GADGE BABA AMRAVATI UNIVERSITY, AMRAVATI

CERTIFICATE

This is to certify that Mr./Ms. _____
the within signed has successfully completed the prescribed course of studies and passed the CERTIFICATE COURSE in "ASTRONOMY AND ASTROPHYSICS" in First Division in the academic year 2018-19.

H.O.D. Course Coordinator Principal

Summary Report and Outcome

Summary Report and Course Outcomes (2015-16)

The night sky dotted with millions of shining and twinkling stars is really a majestic spectacle to the eyes. It lets us wondering as to where these stars come from, enchant the world with their brilliant sparkle and then vanish and come back again the next night. Similar queries and hundreds of other mysteries like the movement of planets, of meteors and quest for life on other planets have left man dumbfounded. Astronomy, as a career option, ensures unravel these mysteries. If one is amazed at the mysteries of the universe and nurtures a desire to unravel this, choose the career of Astronomy. It will test one's scientific temperament and also satisfy one's curiosity. One opportunity to work with the best brains in the country and will become a part of the intellectual treasure of the world.

Astronomy is the science that deals with the material universe beyond the earth's atmosphere. It studies the nature and constitution of heavenly bodies. It is also the study of the laws, which govern them, as also the effect produce upon one another. It seeks to unravel the probable past history of heavenly bodies and their development.

The use of modern technology and new gadgets has made Astronomy a specialized branch of study in modern science. Man used to study the motion of planets and heavenly bodies since ancient times. With the science and technology, man began to use sophisticated technological gadgets for the purpose. Aryabhatta, Tycho Brahe and Sir Isaac Newton have been some of the best brains in Astronomy since the ages.

As Astronomer, one has to observe the night sky and gather various astronomical data, analyze them and then discern and compare other available data. Thereby, one will arrive at conclusions, refute old theories and build new theories.

Astronomy is divided into several branches such as Astrophysics, Astrometeorology, Astrobiology and Astrometry. These branches together help in the holistic study of the discipline and unravel the mysteries of the universe.

Objectives of the course

- The purpose and activities of the astronomy enthusiasts has till date been purely leisure. We feel the need to incorporate the existing facilities into the mainstream undergraduate physics education through this Career Oriented Course.
- This shall be amongst the very few institutes where the students get to make use of astronomical facility as a part of undergraduate education.
- The students would get an exposure to astronomy as an observational science.
- The academic curriculum shall be enriched.
- Help the students to develop skills that shall enable them to work in a group.
- Exposure of students to observation based research in Astronomy.
- Students and faculty as part of this course work to promote astronomy as a hobby and spread knowledge among the students of Colleges and schools of the neighboring areas.

Through this course we have arranged many Sky Watching Sessions at all Major Astronomical Events with

- 1. Celestron 8 inch Schmidt Cassegrain Telescope a view finder and inbuilt tracking system on an equatorial mount.
- 2. Binoculers (20X80 Giant and 25X100 Super Giant) with heavy duty mount.
- 3. Canon DSLR Camera EOS 5D MARK II
- Sessions on telescope handling and astrophotography for Schools
- Special educational sessions for the school students around
- Popular Lectures on astronomy and astrophysics

After the completion of the course students will

- learn the history of modern observational astronomy, with a key focus on how the interpretation of results from experimentation and observation guided the deployment of astronomy.
- be able to read the sky maps/ sky charts.
- learn different celestial coordinate systems
- be able to describe different zodiacal constellations.
- be able to describe detail changes which are observed when viewing the sky daily, weekly, monthly, annually and longer period of time and demonstrate an understanding of the reasons behind any observed changes.
- be able to describe the working principle of astronomical tools.
- be able to use basic astronomical tools.

Dept. of Physical Education (Certificate Course Yoga and Meditation)

Name and Duration of Program

प्रति ,

प्राचार्य,

श्री शिवाजी विज्ञान महविद्यालय अमरावती

विषय; सत्र २०१८-१९ मध्ये आपल्या महाविद्यालयात योगशास्त्र प्रमाणपत्र अभ्यासक्रम सुरु करण्याची परवानगी मिळन्या बाबत .

अर्जदार ;- डॉ.सुगंध ए. बंड

विभागप्रमुख शा. शि. विभाग श्री शिवाजी विज्ञान महविद्यालय अमरावती

मा. महोदय.

सत्र २०१८-१९ मध्ये आपल्या महाविद्यालयात योगशास्त्र हा विषय शा. शि. विभाग मार्फत विद्यार्थ्यासाठी विविध उपक्रमा अंतर्गत विद्यार्थ्याचा शारीरिक व मानसिक विकास करण्याचे दृष्टीने सुरु करण्याचा मानस आहे तरी हा प्रमाणपत्र अभ्यासक्रम सुरु करण्याची परवानगी मिळण्यात यावी हि नम्र विनंती

दि ४ / ०८ /२०१८

Permitted

आपला

Prof. Sugandh E. Band
H.O.D.
Department of Physical Education
डॉ.सुगंध ए. बंड

विभागप्रमुख शा. शि. विभाग

Name and Duration of the Program

CERTIFICATE COURSEIN IN YOGA AND MEDITETION

For

UG And PG Students

Period : September 2018

Total Duration: 34 hour (15 days)

Organized by

DEPARTMENT OF PHYSICAL EDUCATION AND SPORTS

SHRI SHIVAHI SCIENCE COLLEGE AMRAVATI

For registration contact to

Dr. Sugandh Band

on before

22 August 2018

8/08/2018
Head
Games & Sports Department
Shri Shivaji Science College
Amravati

Scanned with CamScanner

List of the Students Enrolled and Attendance

SHRI SHIVAJI SCIENCE COLLEGE AMRAVATI

Department of physical; education

Certificate Course in In Yoga and Meditation

ATTENDANCE CHART (2018-19)

Sr. no	Name of the student	3.10.2018	4.10.2018	5.10.2018	6.10.2018	7.10.2018	8.10.2018	10.10.2018	11.10.2018
1)	Ku Gayatri Pohakar	✓	✓	✓	✓	✓	✓	✓	✓
2)	Ku Neha Ramsed	✓	✓	✓	✓	✓	✓	✓	✓
3)	Rajesh Giri	—	✓	A	✓	✓		✓	✓
4)	Saurabh Kalmegh	—	✓	✓	✓	—	—	✓	✓
5)	Sakshi Thakare	✓	✓	✓	✓	—	—	✓	✓
6)	Vaishnavi Kale	✓	✓	✓	✓	✓	—	✓	✓
7)	Payal Jadhav	✓	A	✓	✓	A	—	✓	✓
8)	Ashwini Kadam	✓	✓	✓	✓	✓	✓	✓	✓
9)	Shraddha Raut	—	✓	✓	✓	—	—	✓	✓
10)	Krushnai Raut	—	—	✓	✓	✓	—	✓	—
11)	Renuka Kahane	—	—	✓	✓	✓	✓	A	✓
12)	Pratiksha Thakare	✓	—	✓	A	✓	—	✓	✓
13)	Anikita Nimbarka	✓	—	✓	✓	✓	✓	✓	✓
14)	Pooja Jaware	✓	—	✓	✓	✓	✓	✓	✓
15)	Bharte Ambarte	✓	✓	✓	✓	A	✓	✓	✓
16)	Rutuja Vaidya	✓	A	—	✓	✓	✓	✓	✓
17)	Komal Kashani	✓	✓	✓	✓	✓	✓	✓	✓
18)	Ankita Kalkade	✓	✓	✓	✓	✓	—	—	✓
19)	Sajal Delke	✓	✓	✓	✓	✓	✓	✓	✓
20)	Bharti Amberte	✓	—	✓	✓	✓	✓	✓	
21)	Rushikesh Musale	✓	—	✓	✓	✓	✓	✓	✓
22)	Pushkar Charkhad	✓	✓	✓	✓	✓	✓	A	✓
23)	Ashutosh Mundee	A	✓	✓	—	A	✓	✓	✓
24)	Aditya Khule	✓	✓	✓	—	—	✓	✓	—
25)	Shreya Kathe	✓	✓	A	—	✓	✓	✓	✓
26)	Harshada Kadu.	✓	✓		—	✓	✓	✓	✓
27)	Radika Chute	✓	✓	✓	—	✓	✓	✓	✓
28)	Priya Zodape	✓	✓	✓	✓	—	✓	✓	✓
29)	Dnyaneshwari Chuldh	—	✓	✓	✓	✓	✓	✓	✓
30)	Gayatri Tekade	—	✓	✓	✓	✓	✓	✓	✓
31)	Om Shinde	—	✓	✓	✓	—	✓	✓	A
32)	Manoj Kavhkar	✓	✓	✓	✓	—	✓	✓	
33)	Prajwal Harne	✓	✓	✓	A	✓	✓	✓	
34)	Rahan Ramekar	✓	✓	✓	✓	✓	—	✓	✓
35)	Pruthsha Thakare	✓	✓	✓	✓	✓	✓	✓	✓
36)	Rohini Gadekar	✓	✓	✓	✓	—	—	—	—
37	Rutuja Shende.								

Prof. Sugandh Eband
H.O.D.
Department of Physical Education

Curriculum and Time table

YOGA AND MEDITETION COURCE SHEDULE

SETION 2018-19

Sr.no	Date	Time		Name of the resource person	Name of the topic
		Morning	Evening		
1	3.9.2018	7 to 8.30 am (P)	5 to 5.45 pm (T)	**Dr. Sugandh Band** (Shri Sivajiscience College Amravati)	• Role of Ashtang Ashtang Yoga Yamas, Niyamas, Asana, Pranayama and Dhyana ,Dharana, Pratyahar • Stress Management: Modern and Yogic perspectives • Tackling ill-effects of Frustration, Anxiety and Conflict through modern and YogicMethods • Meditation Techniques • Suryanamaskar
2	4.9.2018	7 to 8.30 am (P)	5 to 5.45 pm (P)	**Shri . Vishvas jadhaw** (Member Of State Yoga Association)	. Karnapidasana . Bhujangasana . Shalabhasana . Sarpasana .Dhanurasana .Vakrasana
3	5.9.2018	7 to 8.30 am (P)	5 to 5.45 (P)	**Dr. Sugandh Band** (Shri Sivajiscience College Amravati)	.Gomukhasana .Mayurasana .Kukkutasana .Ushtrasana .Padma - Bakasana .Parvatasana .Muktasana .Virasana
4	6.9.2018	7 to 8.30 am (P)	5 to 5.45 pm (T)	**Dr. Hanumant Lunge** (shri shivaji arts and com college Amravati)	.Bhadrasana .Chakrasana (Sideward) .Chakrasana (Backward) .Tadasana .Pada - hastasana .Utkatasana
5	7.9.2018	7 to 8.30 am (P)	5 to 5.45 pm (T)	**Dr. Sugandh Band** (Shri Sivajiscience College Amravati)	. Anuloma-viloma . Ujjayi . Shitali . Sitkari. Bhastrika
6	8.9.2018	7 to 8.30 am (P)	5 to 5.45 pm (T)	**Shri . Vishvas jadhaw** (Member Of State Yoga Association)	.Jalandhara Bandha .Uddiyana Bandha .Jicha Bandha .Mula Bandha
7	10.9.2018	7 to 8.30 am (P)	5 to 5.45 pm (T)	**Dr. Hanumant Lunge** (shri shivaji arts and com	.Ardha-Matsyendrasana .Paschimatanasana

				college Amravati) aw	.Supta Vajrasanai .Yoga Mudra
8	11.9.2018	7 to 8.30 am (P)	5 to 5.45 pm (P)	**Dr. Sugandh Band** (Shri Sivajiscience College Amravati)	. Sarvangasana . Matsyasana . Halasana
9	12.9.2018	7 to 8.30 am (P)	5 to 5.45 pm (T)	**Shri . Vishvas jadhaw** (Member Of State Yoga Association)	1.Jala Neti 2.Sutra Neti 3.Dhauti (Vamana,Danda,Vastra)
10	13.9.2018	7 to 8.30 am (P)	5 to 5.45 pm (T)	**Dr. Sugandh Band** (Shri Sivajiscience College Amravati)	.Natarajasana .Garudasana .Vajrasana .Padmasana
11	14.9.2018	7 to 8.30 am (P)	5 to 5.45 pm (T)	**Dr. Hanumant Lunge** Dr. Hanumant Lunge (shri shivaji arts and com college Amravati)	. Shrishasana .Crocodile Practices (Four variations) . Pavanmuktasana . Naukasana . Viparitakarani
12	15.9.2018	7 to 8.30 am (P)	5 to 5.45 pm (P)	**Dr. Sugandh Band** (Shri Sivajiscience College Amravati)	• Suryanamaskar • Pranayama - Definition and Classification. Difference between pranayama and deep breathing.
13	17.9.2018	7 to 8.30 am (P)	5 to 5.45 pm (T)	**Shri . Vishvas jadhaw** (Member Of State Yoga Association)	.Nauli .Kapalabhati .Trataka
14	18.9.2018	7 to 8.30 am (P)	5 to 5.45 pm (P)	**Dr. Sugandh Band** (Shri Sivajiscience College Amravati)	. Bhramari . Suryabhedana . Chandrabhedana . Murccha(Theory only) . Plavini(Theory only)
15	19.9.2018	7 to 8.30 am (P)	5 to 5.45 pm (T)	**Dr. Hanumant Lunge** (shri shivaji arts and com college Amravati)	.Shavasana .Makarasana. (Importance of Rechaka, Kumbhaka, Puraka. • Introduction to Kriyas, Mudras and Bandhas in brief.)

H.O.D.
Department of Physical Education

Total modules & Titles of modules:

Module 1 : Yogic Therapy through Traditional Understanding

Module 2 : Asanas

Module 3 : Pranayama

Module 4 : Bandhas And Mudras

Module 5 : Kriyas

Yoga Course Programme shall be of 200 marks as follows:

Area	Part	Head		Mark
Theory	I	1	Internal Assessment and exam	100
Practical (Internal Assessment)	II	5	Internal Assessment	100
			TOTAL	200

SYLLABUS

The course consists of Theory, Practical, Teaching methods and practical training on Teaching. The Theory paper is of 100 Marks.

Module 1) Yogic Therapy through Traditional Understanding

1. Asanas
2. Pranayama
3. Kriyas
4. Bandhas and Mudras
5. Yogic Therapy

• Role of Ashtang Ashtang Yoga Yamas, Niyamas, Asana, Pranayama and Dhyana ,Dharana, Pratyahar

• Stress Management: Modern and Yogic perspectives

• Tackling ill-effects of Frustration, Anxiety and Conflict through modern and YogicMethods

• Meditation Techniques

• Suryanamaskar

• Pranayama - Definition and Classification. Difference between pranayama and deep breathing.

. Importance of Rechaka, Kumbhaka, Puraka.

• Introduction to Kriyas, Mudras and Bandhas in brief.

Practical Training in Yoga

PRACTICALS:

Module 2) A. ASANAS:

1. Shrishasana
2. Crocodile Practices (Four variations)
3. Pavanmuktasana
4. Naukasana
5. Viparitakarani
6. Sarvangasana
7. Matsyasana
8. Halasana
9. Karnapidasana
10. Bhujangasana
11. Shalabhasana
12. Sarpasana
13. Dhanurasana
14. Vakrasana
15. Ardha-Matsyendrasana
16. Paschimatanasana
17. Supta Vajrasanai
18. Yoga Mudra
19. Gomukhasana
20. Mayurasana
21. Kukkutasana
22. Ushtrasana
23. Padma - Bakasana
24. Parvatasana
25. Muktasana
26. Virasana
27. Bhadrasana
28. Chakrasana (Sideward)
29. Chakrasana (Backward)

30.Tadasana

31.Pada - hastasana

32.Utkatasana

33.Natarajasana

34.Garudasana

35.Vajrasana

56.Padmasana

36.Shavasana

37.Makarasana

Module 3) B.PRANAYAMA

1. Anuloma-viloma

2. Ujjayi

3. Shitali

4. Sitkari5. Bhastrika

6. Bhramari

7. Suryabhedana

8. Chandrabhedana

9. Murccha(Theory only)

10. Plavini(Theory only)

Module 4) C.BANDHAS AND MUDRAS

1.Jalandhara Bandha

2.Uddiyana Bandha

3.Jicha Bandha

4.Mula Bandha

Module 5) D.KRIYAS

1.Jala Neti

2.Sutra Neti

3.Dhauti (Vamana,Danda,Vastra)

4.Nauli

5.Kapalabhati

7.Trataka

Assessment

ASSESSMENT: All the students have very actively and successfully completed the course.

Dept. of Zoology (COP-Ecotourism and wildlife Photography Certificate Course)

Name and Duration of the Program

Department of Zoology
COP-Eco-tourism & Wildlife Photography
Certificate Course 2018-2019

UNIVERSITY GRANTS COMMISSION
CAREER ORIENTED PROGRAMME
35-FEROZSHAH ROAD
NEW DELHI-110 001

F. No. 4- 496/2009(COP)

June, 2009

The Under Secretary (FD-III)
University Grants Commission
New Delhi-110002

Sub: - Release of Grants-in-aid to Shri Shivaji Science College, Morshi Road, Amravati, Dist. Amravati, Maharashtra for Career Oriented Programme under plan.

Sir,

With reference to the proposal submitted by Shri Shivaji Science College, Morshi Road, Amravati, Dist. Amravati, Maharashtra under the UGC scheme of Career Oriented Programme, I am directed to convey the approval of the University Grants Commission for starting the following Career Oriented Courses in the above mentioned College from the academic year 2009-10.

Courses Approved	Seed Money (Rs. in lakh)
Arts/Social Science	
1. Diploma Eco-Tourism + Wild life Photography	7.00
Total	7.00

-2-

I am also directed to convey the sanction of the University Grants Commission for payment of Rs. 7,00,000/- (Rupees **Seven lakh only**) to **Shri Shivaji Science College, Morshi Road, Amravati, Dist. Amravati, Maharashtra** as one time grant (Seed Money) under the scheme of Career Oriented Programme.

The assistance available in the programme is only in the form of a one time as **"Seed Money"**. The amount may be utilized for the purchase of books and journals augmentation of laboratory facilities, equipment and payment of remuneration to the Guest faculty only.

The terms and conditions of the approval and grant released are as per the guidelines of the scheme.

1. The sanctioned amount is dabitable to the major Head **5.(i)** (Career Oriented to Education). The above sanction is valid for payment during the current financial year **2009-10.**
2. The amount of grant shall be drawn by the Joint Director (Drawing and Disbursing Officer), University Grants Commission on the Grants in aid bill and shall be disbursed to the credited to the Principal, **Shri Shivaji Science College, Morshi Road, Amravati, Dist. Amravati, Maharashtra** through Demand Draft/Mail Transfer.
3. The grant is subject to the adjustment on the basis of Utilization Certificate in the prescribed proforma submitted by the University/College/Institution.
4. The University/College shall maintain proper accounts only on approved items of expenditure.
5. The Utilization Certificate to the effect that the grant has been utilized for the purpose for which it was sanctioned shall be furnished to the University Grants Commission as early as possible after the close of the current financial year.
6. The assets acquired wholly or substantially out of the University Grants Commission grant shall not be disposed or encumbered or Utilized for the purposes other than those for which the grant was given, without proper sanction of the University Grants Commission and should, at any time the college ceases to function, such assets shall revert to the University Grants Commission.
7. A Register of Assets acquired wholly or substantially out of the grant shall

SANT GADGE BABA
AMRAVATI UNIVERSITY
AMRAVATI - 444602
(M.S.)

2662206, 2662207, 2662208, 2662249, 2662358 FAX NO. 0721-2660949, 2662135 GRAM : AMUNI
Website : www.sgbau.ac.in

No.SGBAU/7-D/6771-B/7751/09
Date : 13/7/09

To,
The Secretary,
Departmetn of Higher Education,
Government of Maharashtra,
Mantralaya Annexe,
Mumbai-32.

3c/442/09
10/07/09

Sub : Sanction of Courses under the UGC scheme of "Career Oriented Programme under plan" to the colleges affiliated to the University.

Sir,

Proposals of the colleges for "Introduction of Career Oriented Courses at first-degree level" were recommended by the University to the UGC under the UGC scheme. The UGC has granted permission to the following colleges for Career Oriented Courses at first-degree level and granted financial assistance for this purpose, copy of which is enclosed herewith for your reference.

Sr. No.	College Name	Courses Approved	Seed Money (Rs.in lakh)
1	Mahatma Fule Arts, Commerce & S.Choudhari Science Mahavidyalaya, Warud, Dist. Amravati	**Arts/Social Science :-** 1. Communication Skill **Commerce :-** 1. Banking	7.00 7.00
2.	Kala Mahavidyalaya, Achalpur Camp(Paratwada), Distt. Amravati	**Arts/Social Science :-** 1. Communication skill in Englsih 2. Health club and Management	7.00 7.00
3.	Shree Vyankatesh Arts & Commerce College, Deulgaon Raja, Dist. Buldana	**Arts/Social Science :-** 1. Communicative Englihs	7.00
4.	Shri Shivaji Science College, Amravati	**Arts/Social Science :-** 1. Diploma Eco-Tourism + Wild life Photography	7.00
5.	Indira Mahavidyalaya, Kalamb, Dist. Yavatmal	**Arts/Social Science :-** 1. Communication Skill	7.00
6.	Gopikabai Sitaram Gawande Arts and Commerce College, Umarkhed, Dist. Yavatmal	**Arts/Social Science :-** 1. Functional English **Commerce :-** 1. E-Commerce	7.00 7.00

P.T.O.

7.	Abasaheb Parvekar Mahavidyalaya, Yavatmal	**Science :-** 1. Library and Office Automation **Commerce :-** 1. E-Commerce	10.00 7.00
8.	Bar. R.Deshmukh Arts & Smt. I.Kapadiya Commerce and N. K.Deshmukh Science College, Badnera- Amravati	**Commerce :-** 1. Computer Application 2. Web-Designing and Office Automation	7.00 7.00

The above courses sanctioned by the UGC are permanently on non-grant basis and there is no financial burden on the Government. It is requested to kindly grant permission for introduction of the courses to the said colleges at the earliest, so that the courses could be introduced from this academic session.

Thanking you.

Yours faithfully,

Encl : As above

(Prof. J.S. Deshpande)
Registrar

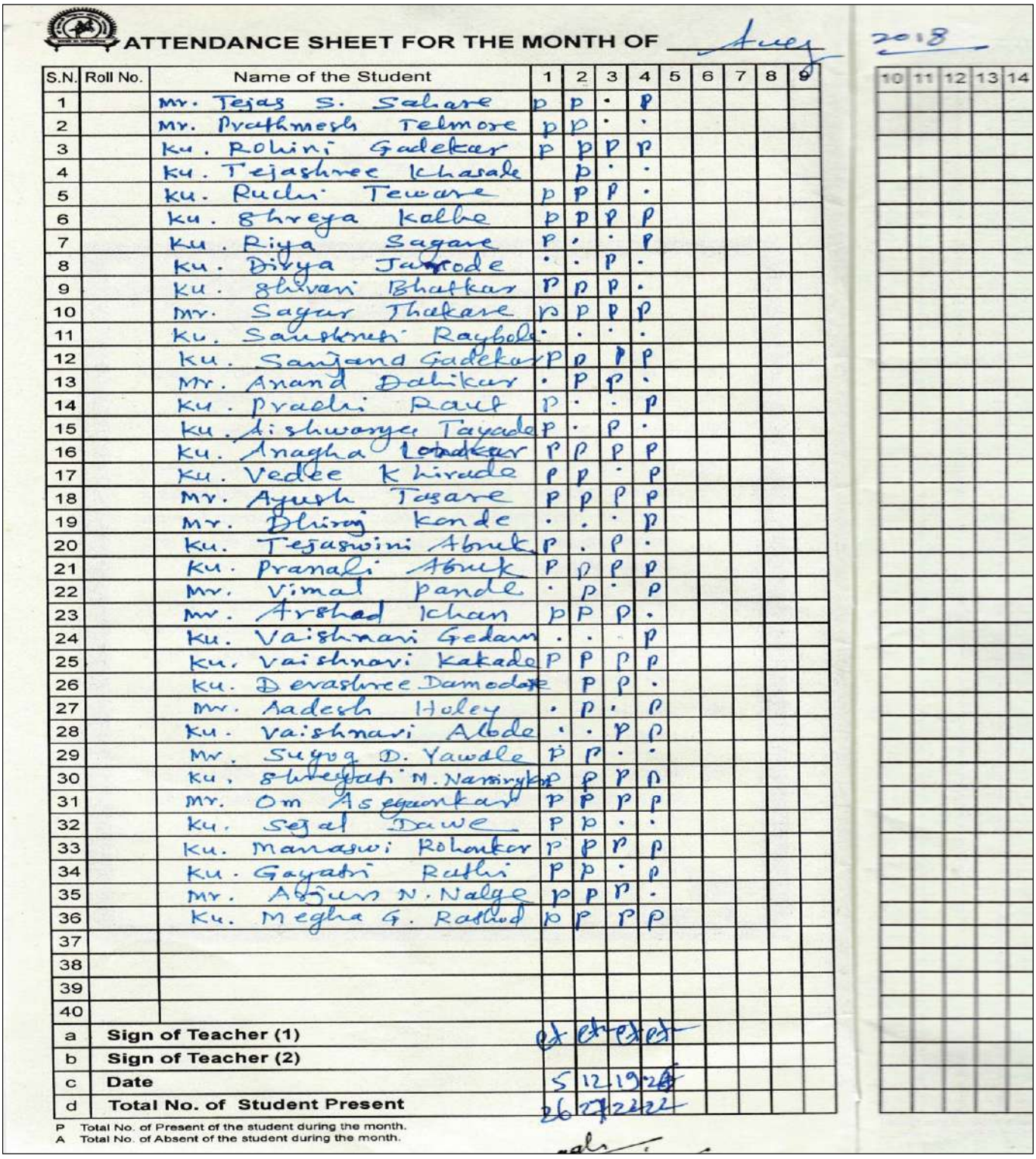
Copy forwarded for information to :
1) Dy. Registrar (College Section), Sant Gadge Baba Amravati University
2) Asstt. Registrar (Academic Section), Sant Gadge Baba Amravati University
3)The Principal, Shri Shivaji Science College, Amravati.

Principal
Shri Shivaji Science College,
Amravati.

List of the Students Enrolled and Attendance

Shri Shivaji Science College Amravati
Department of Zoology
COP-Ecotourism and wildlife Photography
Certificate Course
List of certificate course students 2018-19

Sr.No	ID No.	Name	M/F	Category	Amount
1	516391	TejasS.Sahare	M	OBC	1500
2	516005	PrathmeshG.Telmore	M	SC	1500
3	516508	Rohini R.Gadekar	F	OBC	500
4	516584	TejashreeJ.Khasale	F	OBC	1500
5	516582	Ruchi S.Teware	F	SC	1500
6	516922	Shreya M.Kolhe	F	OBC	1500
7	520148	Riya D.Sagane	F	OBC	1500
8	516724	Divya D Jarode	F	OBC	1500
9	516723	Shivani G.Bhatkar	F	OBC	1500
10	520166	Sagar A.Thakare	M	OBC	1500
11	520301	SanskrutiB.Raybole	F	SBC	1500
12	520163	Sanjana S.Gadekar	F	OPEN	500
13	520164	Anand R.Dahikar	M	SC	1500
14	520588	Prachi S.Raut	F	OBC	500
15	520590	AshwaryaD.Tayade	F	OBC	500
16	521056	Anagha A Lonkar	F	OBC	500
17	516085	VedeeD.Khirade	F	SC	1500
18	521596	AyushV.Tasare	M	OBC	1500
19	521597	Dhiraj R. Konde	M	OBC	1500
20	522145	Tejaswini N. Abruk	F	OBC	500
21	522146	PranaliR.Abruk	F	OBC	500
22	529753	Vimal R.Pande	M	Open	1500
23	541348	ArsadK.Khan	M	Open	1500
24	544249	Vaishnavi P.Gedam	F	OPEN	1500
25	544348	Vaishnavi S.Kakade	F	OBC	1500
26	788000	DevashreeD.Damodare	F	Open	1500
27	788005	AdeshG.Hole	F	Open	1500
28	522418	Vaishnavi H.Alode	F	OBC	500
29	815955	Mr.SuyogD.Yawale	M	OBC	1500
30	815956	Shreyati M. Narsingkar	F	OBC	1500
31	815957	Om.G.Asegaonkar	M	Open	1500
32	815958	Ku.SejalD.Dave	F	Open	1500
33	815960	Ku.ManaswiR.Rohankar	F	OBC	1500
34	815961	Ku.Gayatri R. Rathi	F	Open	1500
35	816056	Mr.ArjunN.Nalage	M	OBC	1500
36	815971	Ku.MeghaG.Rathod	F	VJ	1500
					42000/-



ATTENDANCE SHEET FOR THE MONTH OF July 2018

S.N.	Roll No.	Name of the Student	1	2	3	4	5	6	7	8	9	10	11	12	13	14
1		Mr. Tejas S. Sahare	P	P	.	P										
2		Mr. Prathmesh Telmore	P	P	.	.										
3		Ku. Rohini Gadekar	P	P	P	P										
4		Ku. Tejashree Ichasale		P	.	.										
5		Ku. Ruchi Tewane	P	P	P	.										
6		Ku. Shreya Kalbe	P	P	P	P										
7		Ku. Riya Sagane	P	.	.	P										
8		Ku. Divya Jawarode	.	.	P	.										
9		Ku. Shivani Bhatkar	P	P	P	.										
10		Mr. Sagar Thakare	P	P	P	P										
11		Ku. Sanskruti Raybole	.	.	.	.										
12		Ku. Sanjana Gadekar	P	P	P	P										
13		Mr. Anand Dahikar	.	P	P	.										
14		Ku. Pradhi Raut	P	.	.	P										
15		Ku. Aishwarya Tayade	P	.	P	.										
16		Ku. Anagha Lohakar	P	P	P	P										
17		Ku. Vedee Khirade	P	P	.	P										
18		Mr. Ayush Tasare	P	P	P	P										
19		Mr. Dhiraj Kande	.	.	.	P										
20		Ku. Tejaswini Abuk	P	.	P	.										
21		Ku. Pranali Abuk	P	P	P	P										
22		Mr. Vimal Pandle	.	P	.	P										
23		Mr. Arshad Ichan	P	P	P	.										
24		Ku. Vaishnavi Gedam	.	.		P										
25		Ku. Vaishnavi Kakade	P	P	P	P										
26		Ku. Devashree Damodar		P	P	.										
27		Mr. Aadesh Holey	.	P	.	P										
28		Ku. Vaishnavi Abde	.	.	P	P										
29		Mr. Suyog D. Yawale	P	P	.	.										
30		Ku. Shreyati M. Narnaware	P	P	P	P										
31		Mr. Om Asegaonkar	P	P	P	P										
32		Ku. Sejal Dawe	P	P	.	.										
33		Ku. Manaswi Rohankar	P	P	P	P										
34		Ku. Gayatri Rathi	P	P	.	P										
35		Mr. Arjun N. Nalge	P	P	P	.										
36		Ku. Megha G. Rathod	P	P	P	P										
37																
38																
39																
40																
a	Sign of Teacher (1)															
b	Sign of Teacher (2)															
c	Date		5	12	19	26										
d	Total No. of Student Present		26	27	22	22										

P Total No. of Present of the student during the month.
A Total No. of Absent of the student during the month.

Curriculum and Time table

Shri Shivaji Science College Amravati
Department of Zoology
COP-Eco-tourism & Wildlife Photography
Certificate Course

Time Table

Day (Sunday)	1	2	3	4	5
Module(T) 10am-11 am	Module I Natural Resources	Module I Community ecology	Module I Inter specific relationship	Module I	Module I
Practical (11-1.00 pm)	Pr1	Pr2	Pr3	Pr4	Pr5
Day (Sunday)	6	7	8	9	10
Module(T) 10am-11 am	Module II Ecosystem	Module II Food Chain	Module II Ecological Pyramids	Module II Energy Flow	Module II Ecological Indicators
Practical (11-1.00 pm)	Pr6	Pr7	Pr8	Pr9	Pr10
Day (Sunday)	11	12	13	14	15
Module(T) 10am-11 am	Module III Scope of Ecotourism	Module III Potentials of Ecotourism	Module III Tiger Reserve	Module III Sanctuaries & National Park	Module III Forts, Caves & Temples
Practical (11-1.00 pm)	Pr11	Pr12	Pr13	Pr14	Pr15
Day (Sunday)	16	17	18	19	20
Module(T) 10am-11 am	Module IV Communication Skills	Module IV Tourist Rules	Module IV Interpretation centre	Module IV Species Diversity	Module IV Animal Tracks & signs
Practical (11-1.00 pm)	Pr16	Pr17	Pr18	Pr19	Pr20
Day (Sunday)	21	22	23	24	25
Module(T) 10am-11 am	Module V History of Photography	Module V Evolution of Camera	Module V Types of Camera	Module V Parts of Camera	Module V Function of Cameras
Practical (11-1.00 pm)	Pr21	Pr22	Pr23	Pr24	Pr25
Day (Sunday)	26	27	28	29	30
Module(T) 10am-11 am	Module VI Types of lenses	Module VI Types of Filters	Module VI Aperture, Speed & ISO	Module VI Accessories of Camera	Module VI Photo editing
Practical (11-1.00 pm)	Pr26	Pr27	Pr28	Pr29	Pr30

Admission schedule: 1 to 31 July
Theory & Practical schedule: Aug, Sept, Oct, Nov, Jan, Feb, March & April

GUIDELINES TO PREPARE THE SYLLABUS
FOR CERTIFICATE COURSE IN
ECO-TOURISM & WILD LIFE PHOTOGRAPHY
UNDER THE CAREER ORIENTED PROGRAMME

UNIT I ENVIRONMENT & ECOLOGY.

1.1 Environment : Defination, Classification
1.2 Natural Resources : Defination, Classification, Types (Renewable & Non renewable)
1.3 Ecology : Defination, principles, scope of ecology, Ecological factors.
1.4 Community ecology : Defination, species diversity, ecological niche, ecotons.
1.5 Population ecology : Defination, Characteristics, Inter specific relationship, Naturalism, commensalisms, parasitism, predation, competition.

UNIT II ECOSYSTEM

2.1 Ecosystem, definition, components, structures.
2.2 Food Chains
2.3 Ecological pyramids
2.4 Energy flow models
2.5 Ecological indicators

UNIT III ECOTOURISM

3.1 Ecotourism : Defination & Scope of ecotourism.
3.2 Potential of ecotourism in Vidarbha region.
3.3 Tiger Reserve : Melghat, Pench, Tadoba.
3.4 Sanctuaries & National parks – Navegaon, Nagzira, Katepurna, Bor, Tipeshwar.
3.5 Forts, Caves & Temples : Narnala, Gawilgarh, Salbardi, Muktagiri, Markanda.

UNIT IV GUIDE TRAINING :

4.1 Communication skills
4.2 Tourist rules do's & don'ts
4.3 Knowledge about interesting facts & interpretation centre.
4.4 Knowledge about mammals, Birds, Insects & Trees, animal tracks signs,
4.5 Importance of Guide in Ecotourism.

UNIT V PHOTOGRAPHY

5.1 History and Evolution of Camera.
5.2 Parts of camera, types of camera.
5.3 Types of lenses.
5.4 Use of filter, study of aperture and speed.
5.5 Use of computer in photography.

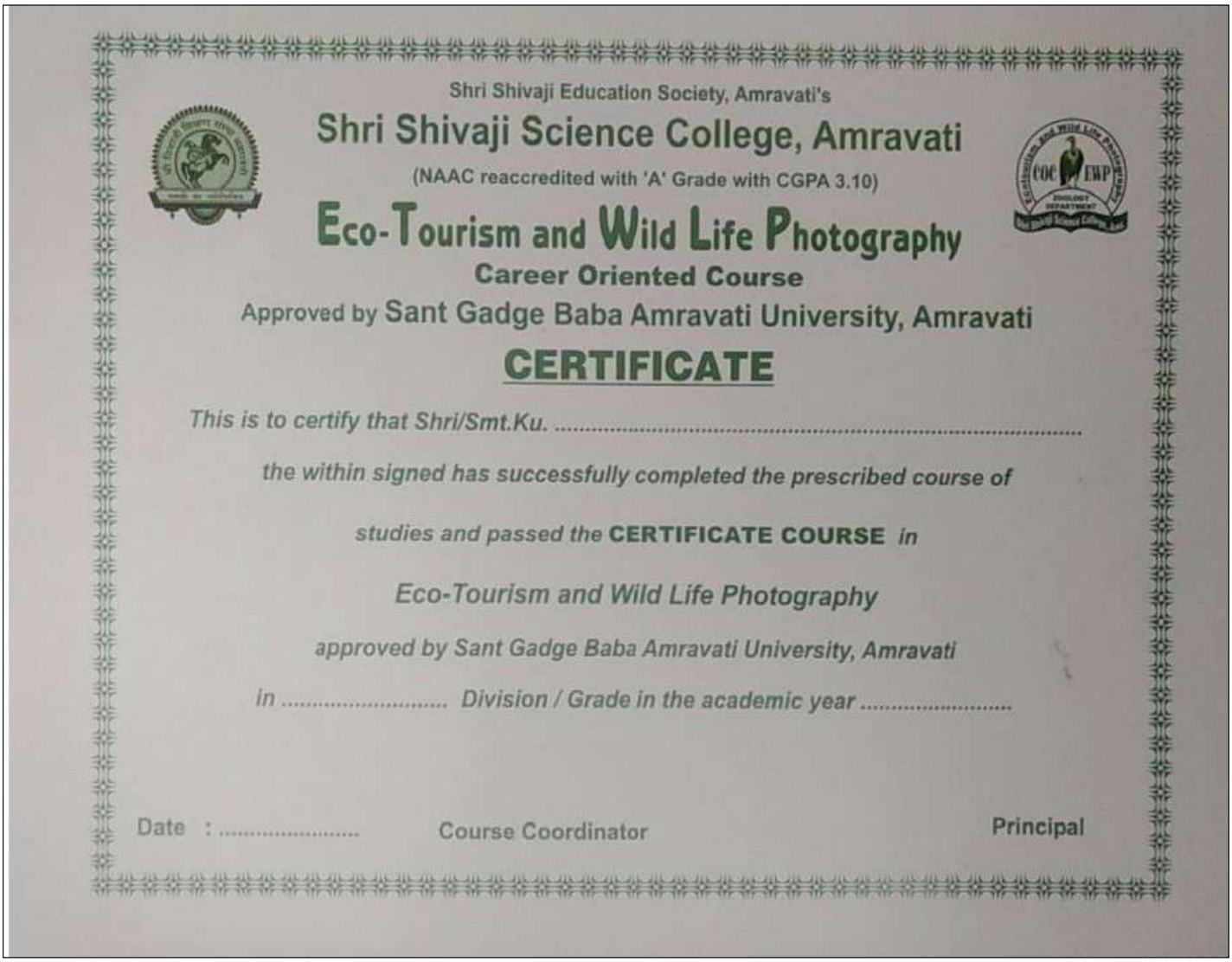
PRACTICALS

1. Local field visits.
2. Visit to nature reserve, forts, other sites of cultural heritage.
3. Development of a trek route and conducting a trekking activity.
4. Listing of local flora, fauna and describing them.
5. Photography

Assessment

SHRI SHIVAJI SCIENCE COLLEGE AMRAVATI
Annual Examination Result 2018-2019
Department of Zoology
Ecotourism and Wildlife Photography (COC)
Certificate Course

S.N.	Roll No.	Name	Theory 100	Practical 50	Project 50	Total marks 200	Result
1	101	TejasS.Sahare	46	40	40	126	Pass
2	102	PrathmeshG.Telmore	43	40	40	123	Pass
3	103	Rohini R.Gadekar	50	41	40	141	Pass
4	104	TejashreeJ.Khasale	54	43	40	147	Pass
5	105	Ruchi S.Teware	56	41	40	147	Pass
6	106	Shreya M.Kolhe	46	42	40	128	Pass
7	107	Riya D.Sagane	50	41	40	131	Pass
8	108	Divya D Jarode	AA	AA	AA	AA	Fail
9	109	Shivani G.Bhatkar	AA	AA	AA	AA	Fail
10	110	Sagar A.Thakare	52	43	40	135	Pass
11	111	SanskrutiB.Raybole	AA	AA	AA	AA	Fail
12	112	Sanjana S.Gadekar	65	41	40	146	Pass
13	113	Anand R.Dahikar	50	41	40	131	Pass
14	114	Prachi S.Raut	54	40	40	134	Pass
15	115	AshwaryaD.Tayade	62	41	40	143	Pass
16	116	Anagha A Lonkar	AA	AA	AA	AA	Fail
17	117	VedeeD.Khirade	AA	AA	AA	AA	Fail
18	118	AyushV.Tasare	AA	AA	AA	AA	Fail
19	119	Dhiraj R. Konde	AA	AA	AA	AA	Fail
20	120	Tejaswini N. Abruk	70	43	40	153	Pass
21	121	PranaliR.Abruk	63	43	40	146	Pass
22	122	Vimal R.Pande	AA	AA	AA	AA	Fail
23	123	ArsadK.Khan	50	40	40	130	Pass
24	124	Vaishnavi P.Gedam	62	39	50	151	Pass
25	125	Vaishnavi S.Kakade	AA	AA	AA	AA	Fail
26	126	DevashreeD.Damodare	66	40	45	146	Pass
27	127	AdeshG.Hole	AA	AA	AA	AA	Fail
28	128	Vaishnavi H.Alode	AA	AA	AA	AA	Fail
29	129	Mr.SuyogD.Yawale	50	40	40	130	Pass
30	130	Shreyati M. Narsingkar	54	40	48	142	Pass
31	131	Om.G.Asegaonkar	44	38	40	122	Pass
32	132	Ku.SejalD.Dave	55	40	40	135	Pass
33	133	Ku.ManaswiR.Rohankar	52	40	40	132	Pass
34	134	Ku.Gayatri R. Rathi	56	37	40	133	Pass
35	135	Mr.ArjunN.Nalage	48	40	40	128	Pass
36	136	Ku.MeghaG.Rathod	62	43	40	145	Pass



Shri Shivaji Education Society, Amravati's

Shri Shivaji Science College, Amravati

(NAAC reaccredited with 'A' Grade with CGPA 3.10)

Eco-Tourism and Wild Life Photography

Career Oriented Course

Approved by Sant Gadge Baba Amravati University, Amravati

CERTIFICATE

This is to certify that Shri/Smt.Ku. .....

the within signed has successfully completed the prescribed course of studies and passed the **CERTIFICATE COURSE** *in*

Eco-Tourism and Wild Life Photography

approved by Sant Gadge Baba Amravati University, Amravati

in ..... Division / Grade in the academic year .....

Date : ..... Course Coordinator Principal

Summary Report and Outcome

Shri Shivaji Science College Amravati
Department of Zoology
Eco-tourism & Wildlife Photography

Career Oriented Certificate program-2018-19

Summary Report

The main objectives of this course were to increase awareness about eco-tourism, adventure, Wildlife conservation, Biodiversity documentation and also to develop photography skill and create scientific temperaments among students. In all 36 students were enrolled for this course. As per the course contents various technical sessions &field based activities were conducted for the students. Students were participated actively in Bird watching program, Clay Ganesh Idol awareness program, Photo exhibition and Photography competitions.

Under this Eco-tourism & Wildlife Photography course one day Nature walk & Photography program was organized at Chatri Lake of Pohara-Malkhed Reserve Forest on 30 December 2018. Twenty two students were actively participated in this Nature Walk. During Nature walk students were participated in Bird watching, Adventure activities, demonstration on field photography, GIS and Compass hands on training.

Experts who guided & demonstrate the students:
Dr.J.D.Dhote&Mr.Prathmesh Tiwari

Course Outcomes:

1) Increased knowledge about Wildlife and their Ecology.
2) Increased awareness about eco-tourism & wildlife conservation among COC students.
3) Acquired the Knowledge of adventure activities and rescue operation.
4) Adapted skill of wildlife photography
5) Developed skill for scientific documentation.

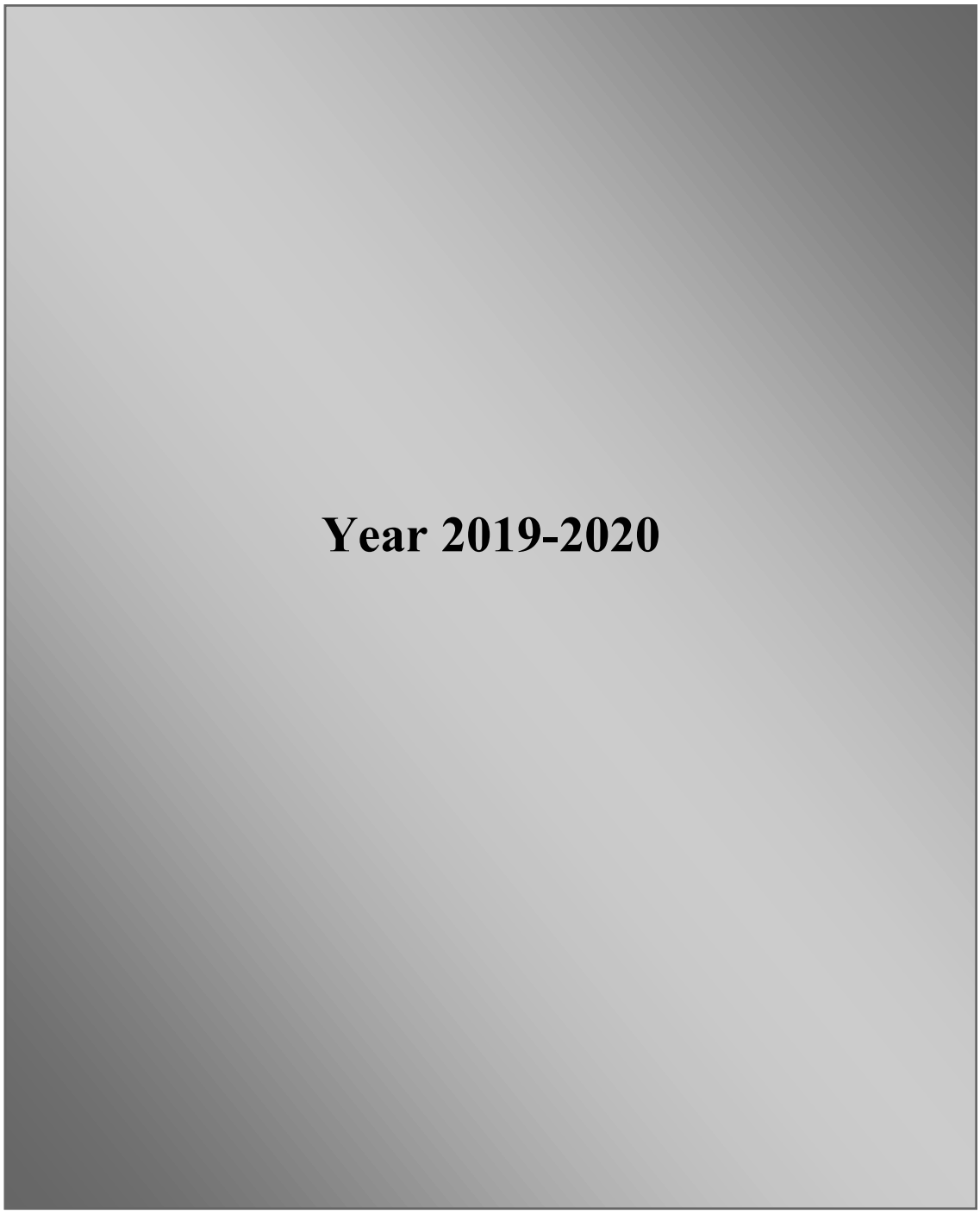
Date:1-3-2019

Dr.G.A.Wagh
COC-EWP In-charge

Dr. H. S. LUNGE
IQAC Coordinator
Shri Shivaji Science College
Amravati.

Principal
Shri Shivaji Science College
AMRAVATI.

Year 2019-2020



Dept. of Biotechnology (Online Certificate Course in Laboratory Techniques in Biotechnology) Name and Duration of the Program

To,

The Principal,

Shri Shivaji Science College, Amravati

Through: IQAC Coordinator

Sub:- Permission to start Enrichment programme "**Certificate Course in Laboratory Techniques in Microbiology & Biotechnology"** from 05.08.2020 to 05.09.2020.

Respected Sir,

Department of Microbiology and Biotechnology wants to start Enrichment Programme "Certificate Course in Laboratory Techniques in Microbiology & Biotechnology" from 05.08.2020 to 05.09.2020.

Hence I request you to please grant the permission for the above mentioned course.

Thanking You,

Yours

Dr. C.S. Ukesh

Coordinator & HOD

Department of Microbiology & Biotechnology

Shri Shivaji Science College, Amravati

Certificate Course in Laboratory Techniques in Microbiology & Biotechnology

Dear Sir/Madam and Students,

Department of Microbiology & Biotechnology, Shri Shivaji Science College, Amravati is organising a One Month -- online -- Certificate course on " Laboratory Techniques in Microbiology & Biotechnology "

This course is exclusively and only for Students of Shri Shivaji Science College, Amravati

B.Sc. students

Please register using the following link

https://docs.google.com/forms/u/0/d/e/1FAIpQLSeJSXKHkze4rOwXi0JpUrflloiHcbFkFR4KhXPr5RxMcGSrXQ/formResponse

Registration Fees: FREE

The last date for Registration is 03-08-2020 till 06.00 PM

E-certificates will be issued to only those participants who submit (Quiz + Assignment + Final Exam Quiz).

Further Details will be provided on Telegram / Whatsapp group only.

Chakesh
M.K.A.S.
Department of Biotechnology
Shivaji Science College
Amravati

List of the Students Enrolled and Attendance

SHRI SHIVAJI SCIENCE COLLEGE AMRAVATI
Department of Microbiology & Biotechnology
List of Admitted Students for Certificate Course in Laboratory Techniques in Microbiology &Biotechnology
2019-2020

Sr. no	Name of Students	Name of the	Bsc Group	Year	email address
1	Harshada nandurkar	Shri Shivaji science college amravti	Biotechnology	Part I	nandurkarharshada70@gmail.com
2	Pranali Sahebrao Taral	Shri Shivaji Science College Amravati	Microbiology	Part II	taralpranali97@gmail.com
3	Shreya Vijay Barbude	Shri Shivaji science college Amravati	Microbiology	Part II	barbudeshreya756@gmail.com
4	Ritika Raju Dhope	shri shivaji science college Amravati	Biotechnology	Part II	ritikadhope13@gmail.com
5	Prachi Sunil alone	Shri Shivaji Science College, Amravati	Microbiology	Part III	prachialoney17@gmail.com
6	Gayatri Diliprao Holey	Shri. Shivaji Science College, Amravati	Biotechnology	Part III	gayatriholey8@gmail.com
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21	Harshada nandurkar	Shivaji science	Biotechnology	Part III	sakshichourpagar@gmail.com
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95	Shreyash Diliprao Bhopale	Shri Shivaji Science College, Amravati	Microbiology	Part III	shreyashdbhopale10@gmail.com
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98	Kalpana Jammanlal Jaiswal	Shri. Shivaji Science college, Amravati	Biotechnology	Part III	kalpanajaiswal178@gmail.com
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103	Tanzeela Ahemad	Shri shivaji science college amravati	Microbiology	Part II	tanzilaraheen@gmail.com
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106	Amisha Dahake	Shri shivaji science college, amravati	Microbiology	Part II	amishadahake.29@gmail.com
107	Vrushali Avinash Khadse	Shri Shivaji Science College Amravati	Microbiology	Part II	coolkat652@gmail.com

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Head
Department of Biotechnology
Shri Shivaji Science College
Amravati

Curriculum and Time table

Module No.	Week	Day	Module Title/ Code	Contents/ Topic and Hours Allotted	Name of Faculty	Video/Quiz/Assignment/ Feedback/ Discussion Forum
1	Week 1	Day1 05.08.2020	Introduction to Microbiology and Biotechnology	Introduction	CSW	Video/ E-Content
		Day2 06.08.2020		History	CSW	Video/ Quiz
		Day3 07.08.2020		Importance and scope	CSW	Video/ E-Content
		Day4 08.08.2020		Pure cultureconcept - I	CSW	Video/ Quiz
		Day5 09.08.2020		Pure cultureconcept - I	CSW	Assignment
2		Day6 10.08.2020	Isolation and Identification of different types of microorganism	Introduction of Media	RRJ	Video/ E-Content
		Day7 11.08.2020		Types of Media	RRJ	Video/ Quiz
	Week 2	Day8 12.08.2020		Preparation and sterilization of media	RRJ	Video/ E-Content
		Day9 13.08.2020		Inoculation techniques	RRJ	Video/ Quiz
		Day10 14.08.2020		Types of microorganism	RRJ	Assignment
3		Day11 16.08.2020	Antibiotics	Introduction to Antibiotics	SSM	Video/ E-Content
		Day12 17.08.2020		History	SSM	Video/ Quiz
		Day13 18.08.2020		Classification of antibiotics	SSM	Video/ E-Content

Day14 19.08.2020		Antimicrobial testing methods- I	SSM	Video/ Quiz	
Day15 20.08.2020		Antimicrobial testing methods- II	SSM	Assignment	
Day16 21.08.2020	Instrumentation and Molecular Biology	Introduction and concepts	AAG	Video/ E-Content	
				Video/ Quiz	
Day17 23.08.2020		Instruments use in Microbiology and Biotechnology laboratory - I	AAG	Video/ E-Content	
Day18 24.08.2020		Instruments use in Microbiology and Biotechnology laboratory- II	AAG	Video/ Quiz	
Day19 25.08.2020		Molecular Biology Introduction	AAG	Video/ E-Content	
Day20 26.08.2020		Molecular Biology Techniques	AAG	Assignment	
Day21 27.08.2020	Spectroscopy	Introduction and Principle	NHT	Video/ E-Content	
Day22 28.08.2020		Types of Spectroscopy	NHT	Video/ Quiz	
Day23 29.08.2020		Applications of Spectroscopy	NHT	Assignment	
Day24 30.08.2020	Plant Tissue Culture	Introduction of Plant Tissue Culture	SBD	Video/ E-Content	
Day25 31.08.2020		Techniques in Plant Tissue Culture- I	SBD	Video/ E-Content	
Day26 01.09.2020		Techniques in Plant Tissue Culture-II	SBD	Video/ Quiz	
Day27 02.09.2020		Applications of Plant Tissue Culture	SBD	Assignment	
Day28 03.09.2020	Revision	Submission of pending Quiz / Assignment			
Day29		Revision of all units			

		04.09.2020				
8		Day30 05.09.2020	Final Theory Exam	Final Theory Exam (9.00 am. to 6.00 pm.)	SSM	

ation of the Course

The duration of the course is 1 months and day wise lectures will be uploaded on college website.

HOD
Department of Biotechnology
Shivaji Science College

Assessment

Shri Shivaji Science College Amravati
Certificate course in Laboratory Techniques in Microbiology and Biotechnology
Result of Final Quiz Exam - 2019-20

Sr.No	Name of the Participant	Bsc.(Group)	Name of the Institution / Organisation	Total score
1	Rohit Pareshwar Kapuskar.	Microbiology	Shri Shivaji Science College, Amravati.	39.00 / 50
2	Gayatri Mankar	Biotechnology	Shri Shivaji Science College, Amravati	35.00 / 50
3	Sakshi Tiwari	Biotechnology	Shri Shivaji Science College,Amravati	28.00 / 50
4	Shreya Amrut Helode	Microbiology	Shri shivaji science college amravati	49.00 / 50
5	Priyanka Motwani	Biotechnology	Shri shivaji science college	44.00 / 50
6	Maithili santosh khandokar	Biotechnology	Shree shivaji science college amravati	48.00 / 50
7	Pallavi munishwar markam	Microbiology	Shir shivaji science college, amravati	30.00 / 50
8	Sakshi Sudesh Gupta	Biotechnology	Shri Shivaji Science College Amravati	49.00 / 50
9	Saloni Subodh Butley.	Microbiology	Shri shivaji science college amravati.	50.00 / 50
10	Komal Ravindra Khalokar	Biotechnology	Shri Shivaji Science College Amravati	49.00 / 50
11	Gauri Sudhirpant Sawarkar	Microbiology	Shri Shivaji Science College , Amravati	50.00 / 50
12	Shreyash Vijay Andagonde	Biotechnology	Shri. Shivaji Science college, Amt	34.00 / 50
13	Pooja S Sharma	Microbiology	Shri Shivaji Science College	44.00 / 50
14	Janhvi thak	Microbiology	Shri Shivraji science College amravati	36.00 / 50
15	Harshada Rajesh Nandurkar	Biotechnology	Shri Shivaji science college amravti	41.00 / 50
16	Pallavi Anil Mahalle	Biotechnology	Shri Shivaji Science college,Amravati	44.00 / 50
17	Anagha taywade	Biotechnology	Shri Shivaji Science college,Amravati	26.00 / 50
18	Sujata Mahendra Pinjarkar	Microbiology	Shri Shivaji Science College Amravati	35.00 / 50
19	Pranali Sahebrao Taral	Microbiology	Shri. Shivaji Science College Amravati	41.00 / 50
20	Rutuja Pushpendra Rahate	Biotechnology	Shri Shivaji Science College Amravati	37.00 / 50
21	Amisha Dharmendra Dahake	Microbiology	Shri Shivaji Science college Amravati	41.00 / 50
22	Sakshi Mahendra Pise	Biotechnology	Shri. Shivaji Science College Amravati.	33.00 / 50
23	Devyani m manmode	Biotechnology	Shri shivaji science college Amravti	30.00 / 50

24	Ishika Ajay Awankar	Biotechnology	Shri Shivaji Science College , Amt	42.00 / 50
25	Neha Sanjayrao Awandkar	Biotechnology	Shri Shivaji science college Amravati	40.00 / 50
26	Achal Gajanan Pakdhane	Microbiology	Shri. Shivaji science collage,Amaravati	33.00 / 50
27	Prachi Sunil Alone	Microbiology	Shri Shivaji Science College, Amravati	39.00 / 50
28	Yash Raghuwanshi	Biotechnology	Shri shivaji science department of biotechnology	37.00 / 50
29	Janhavi shrikant bande	Biotechnology	Shri shivaji science collage,amravati	40.00 / 50
30	Vrushika jadhav	Biotechnology	Shri. Shivaji science college Amravati	49.00 / 50
31	Maurya anil gawande	Biotechnology	Shri shivaji science college amravati	49.00 / 50
32	Abhishek Rajendra Upadhye	Biotechnology	Shre shivaji science college Amravati	18.00 / 50
33	Kasturi Vijay Sastakar	Biotechnology	Shri Shivaji Science College, Amravati	49.00 / 50
34	Vrushali Avinash Khadse	Microbiology	Shri Shivaji Science College, Amravati	49.00 / 50
35	SANJANA UKEY	Microbiology	Shri.Shivaji Science College, Amravati	40.00 / 50
36	Saishwari Satish Gourkhede	Biotechnology	Shri. Shivaji Science College. Amravati	50.00 / 50
37	MAITHILI GANESHRAO DEULI	Microbiology	Shri. Shivaji Science College. Amravati	50.00 / 50
38	Payal Vinod Kamble	Biotechnology	Shri Shivaji Science college, Amravati	35.00 / 50
39	Manjiri Devendra Mahalle	Biotechnology	Shree shivaji science college amravati	26.00 / 50
40	Vaishnavi Hatwar	Biotechnology	Shri Shivaji Science College , Amravati	45.00 / 50
41	Kartik Raju Wankhade	Biotechnology	Shri Shivaji Science College Amravati	38.00 / 50
42	Omeshwari sarode	Biotechnology	Biotechnology	20.00 / 50
43	Shreya Vijay Barbude	Microbiology	Shri Shivaji science college Amravati	45.00 / 50
44	Kunal vinod Deshmukh	Microbiology	Shri Shivaji science College amt	45.00 / 50
45	Rutuja Shivshankar Vaidya	Microbiology	Shri Shivaji Science College Amravati	45.00 / 50
46	Rucha Raghvendra Pimparkar	Microbiology	Shri shivaji science college amravati.	47.00 / 50
47	Riya A. Bajaj	Biotechnology	Shri. Shivaji science college	44.00 / 50
48	Hrutuja Anantrao Bakale	Biotechnology	Shri shivaji science college	26.00 / 50
49	Tanzeela Raheen Ahemad	Microbiology	Shri shivaji science college amravati	41.00 / 50

50	Prarthana Premkumar Tiwari	Biotechnology	Shri Shivaji Science College ,Amravati	37.00 / 50
51	Aditi Prashant Daga	Biotechnology	Shri Shivaji Science College, Amravati	38.00 / 50
52	Kaushal sunil kale	Microbiology	Shri. Shivaji science college, Amravati	42.00 / 50
53	Vaishnavi Anant pawar	Biotechnology	Shri shivaji Science College	37.00 / 50
54	Minal raju Harne	Biotechnology	Shri Shivaji science college Amaravati	35.00 / 50
55	samiksha sabane	Biotechnology	shri.shivaji science college, amravati	38.00 / 50
56	Amisha Aniruddha Pande	Biotechnology	Shri.Shivaji Science College, Amravati	43.00 / 50
57	Pranjal Korde	Biotechnology	Sri Shivaji Science College Amravati	38.00 / 50
58	Abha B. Patil.	Biotechnology	Shri Shivaji Science College, Amravati.	43.00 / 50
59	Ku. Shubhangi shridhar bochare	Biotechnology	Shir Shivaji science college Amravati	32.00 / 50
60	Pradnya Arun Gawande	Biotechnology	Shri Shivaji science College Amravati	45.00 / 50
61	Sabahat Firdous Aminuddin Syed	Microbiology	Shri Shivaji Science College Amravati	45.00 / 50
62	Nisha Barad	Biotechnology	Shri.Shivaji Science College Amravati.	44.00 / 50
63	Ku.Shivai Chaudhari	Biotechnology	Shri shivaji science college,Amravati	45.00 / 50
64	Pradnya suraj Gajbhiye	Biotechnology	Shri.Shivaji science college	36.00 / 50
65	Hrutuja Dabhade	Biotechnology	Shri shivaji science college amravati	38.00 / 50
66	Kartik Ganesh Bante	Biotechnology	Shri shivaji science college amravati	38.00 / 50
67	Ritika R dhope	Biotechnology	Shri Shivaji science college amravati	38.00 / 50
68	Divya bhaiyya	Microbiology	Shri Shivaji science College Amravati	50.00 / 50
69	Ashwini s. Pawar	Microbiology	Shri. Shivaji science college amravati	40.00 / 50
70	Aditya Gajanan Burkhande	Biotechnology	Shri Shivaji Science College, Amravati	48.00 / 50
71	Manasi Dilip Tawale	Microbiology	Manasi Dilip Tawale	41.00 / 50
72	Prathamesh Sudhir shevatkar	Microbiology	Shri Shivaji science College Amt.	38.00 / 50
73	Ashwamegh C. Mundre	Microbiology	Shri Shivaji Science College	38.00 / 50
74	Samiksha Gorle	Biotechnology	Shri Shivaji Science College, Amravati .	29.00 / 50
75	Ankita A Taywade	Biotechnology	Shri. Shivaji Science College Amravati	38.00 / 50
76	Nishtha Raut	Microbiology	Shri Shivaji science college	40.00 / 50

77	Ruchi Teware	Microbiology	Shri Shivaji Science College Amravati	40.00 / 50
78	Shraddha Madghe	Microbiology	Shri shivaji science college Amravati	41.00 / 50
79	Pratiksha shyamlal sahu.	Microbiology	Shri Shivaji Science College, Amravati.	35.00 / 50
80	Vaishnavi Dnyaneshwar Malamkar	Biotechnology	Shri. shivaji science college amravati	26.00 / 50
81	Kalyani Baliram Rathod	Microbiology	Shri Shivaji Science College Amravati	35.00 / 50
82	Tejaswini K. Gaidhane	Microbiology	Shri Shivaji Science College, Amravati	40.00 / 50

Akash
HKBL
Department of Biotechnology
Shivaji Science College
Amravati

Assessment



Shri Shivaji Education Society, Amravati's

Shri Shivaji Science College

Shivaji Nagar, Nagpur Road, Amravati (MS)

NAAC Accredited by Grade "A" with CGPA of 3.13 (Third Cycle),

UGC Awarded Status of College with Potential for Excellence (Second Phase),

Identified by DST, Govt of India for FIST and Sant Gadge Baba Amravati University, Amravati as Lead College

Affiliated to Sant Gadge Baba Amravati University, Amravati (MS) INDIA

CERTIFICATE

This Certificate is awarded to

Ms. Gayatri Manohar Mankar

Position: Student **Affiliation:** Shri Shivaji Science College, Amravati

For the successful completion of the Online Certificate Course in Laboratory Techniques in Microbiology & Biotechnology as prescribed and ported by the Department of Microbiology & Biotechnology during 05 August - 05 September 2020.

His/Her performance was

Satisfactory(B)/ Good(B+)/ Excellent(A)/ Outstanding(A+).

S.S. Mankar — Course Coordinator

Date: 09/09/2020

Head of the Department

IQAC Coordinator

Principal

Summary Report and Course Outcome

Summary Report and Course Outcome

Value added courses are the types of course which help a particular individual to develop their own skills in their chosen field of the study. They are mostly independent to each type of the field. Clinical Microbiology has proved one of the most important disciplines in biology. It plays an important role in patient care by providing the cause of infection and antimicrobial susceptibility data to physicians which helps them for the proper diagnosis and treatment.

This Course prepares students to meet the vast requirements of professionals having suitable qualification as well as exposure in the **Medical field** and **Biotechnology**.

Dept. of Botany (Global Competency Training Programme - GCTP)

Permission Letter and Announcement

2019-2020

श्री शिवाजी विज्ञान महाविद्यालय, अमरावती

व्यवसाय व स्पर्धा परीक्षा मार्गदर्शन कक्ष

सूचना

AN INNOVATIVE COURSE "GLOBAL COMPETENCY TRAINING PROGRAMME (GCTP)"

प्रिय विद्यार्थी मित्रहो,

महाविद्यालयातील प्रत्येक विद्यार्थ्याला येथील वास्तव्य संपल्यानंतर स्वतःचे अस्तित्व निर्माण करण्यासाठी जीवघेण्या अश्या स्पर्धेला सामोरे जावे लागणार आहे. व्यावसायिक आणि सामाजिक जीवनात यशस्वी होण्यासाठी अनेक योग्यता अंगीकृत करून त्यांना आपल्या व्यक्तिमत्वाचा पैलू विकसित करणे आवश्यक आहे. याकरिताच सर्व मेट्रो शहरांमध्ये महागड्या प्रशिक्षण वर्गांना प्रवेश घेऊन विद्यार्थी अश्या कौशल्यांवर प्रभुत्व मिळवितात. याच ताकदीचा प्रशिक्षण वर्ग आपल्या विद्यार्थ्यांना मिळावा म्हणून अश्याच महत्वपूर्ण अभ्यासक्रमाची निर्मिती व्यवसाय व स्पर्धा परीक्षा मार्गदर्शन कक्षाच्या माध्यमातून करण्यात आली आहे. याअंतर्गत दिनांक ५ ते १५ फेब्रुवारी २०२० दरम्यान **"GLOBAL COMPETENCY TRAINING PROGRAMME (GCTP)"** हा प्रशिक्षण कार्यक्रम दररोज सायंकाळी ५.०० ते ६.३० या वेळेत आयोजित करण्यात आला आहे.

सुदर प्रशिक्षणासाठी राष्ट्रीय स्तरावर नावाजलेल्या तज्ञ मार्गदर्शकांना आमंत्रित करण्यात आले आहे. या प्रशिक्षण वर्गाचा शुभारंभ अनेक देशांमध्ये भारताचे राजदूत म्हणून कार्य केलेले तसेच भारतासह इतर देशांच्या सन्माननीय पंतप्रधानांचे सल्लागार आणि जागतिक शैक्षणिक, व्यावसायिक आणि सामजिक प्रवाहांचे गाढे अभ्यासक डॉ. दीपक व्होरा यांच्या युवासंवादाने होणार आहे. कार्यक्रम तपशील खालीलप्रमाणे -

सुसंवादाचा विषय: Global Megatrends
स्थळ: सर सी व्ही रमण सभागृह
दिनांक व वेळ : बुधवार, दिनांक ५ फेब्रुवारी, २०२० ; दुपारी २.३० वाजता

हा कार्यक्रम करियर सेलच्या (सर्व नोंदणीकृत) तसेच बिएस्सी, बिसीएच्या फक्त अंतिम वर्ष आणि सर्व एमएस्सीच्या विद्यार्थ्यांसाठी नि:शुल्क खुला आहे. पुढील अकरा दिवसीय प्रशिक्षण वर्ग फक्त रु ३००/- प्रवेश शुल्क भरून नोंदणी केलेल्या निवडक विद्यार्थ्यांनाच करता येईल. संपूर्ण सत्रांमध्ये हजेरी असणाऱ्या विद्यार्थ्यांनाच या कोर्सचे प्रमाणपत्र देण्यात येईल. नोंदणीसाठी रसायनशास्त्र विभागात डॉ. हर्षाली वानखडे यांच्याशी संपर्क साधावा.

प्रशिक्षणात समाविष्ट विषय, तज्ञ मार्गदर्शक आणि दिवस याची विस्तृत माहिती विद्यार्थ्यांनी रसायनशास्त्र विभागाच्या कॉरीडोर मधील करिअर सेलच्या नोटीस बोर्डवर पहावी. **अधिक माहितीसाठी कक्ष समन्वयक डॉ. दिनेश खेडकर, वनस्पतीशास्त्र यांच्याशी प्रत्यक्ष वा ९४२३६२२२८७ या मोबाईलवर संपर्क साधावा.**

दिनांक: ३ फेब्रुवारी २०२०.

SHRI SHIVAJI SCIENCE COLLEGE NAAC Accredited with 'A' Grade

प्राचार्य
श्री शिवाजी विज्ञान महाविद्यालय, अमरावती

List of the students Enrolled and Attendance

Student List				
SN	Surname	First name	Father's name	Class
1	Agale	Vaishnavi	Gopal	B. Sc.
2	Akhare	Bhagyashree	Vijay	B. Sc.
3	Ambulkar	Sumit	Mohan	M.Sc.
4	Bakale	Gayatri	Rajiv	B. Sc.
5	BAKHADE	KANAK	SANJAY	M.Sc.
6	Bayaskar	Chakuli	Ramesh	M.Sc.
7	Bhagat	Achal	Abhay	B. Sc.
8	Bhatkar	Manisha	Umakant	M.Sc.
9	Bhidkar	Gayatri	Sureshrao	M.Sc.
10	Bidkar	Samiksha	Pralhadrao	M.Sc.
12	Bobade	Radhika	Narendra	B. Sc.
13	Bonte	Nilay	Prashant	B. Sc.
14	Chaure	Trupti	Suresh	B.C.A
15	Chavhan	Akshay	Vijay	M.Sc.
16	Chavhan	Reshma	sunil	M.Sc.
17	Choudhary	Pooja	Rajender	M.Sc.
18	Chouthmal	Harish	Santosh	B.Voc.
19	Dahiwele	Anjali	Vyankatrao	B. Sc.
20	Dakhode	Vaishnavi	Dnyaneshwar	B.C.A

Student List

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1	Agale	Vaishnavi	Gopal	B. Sc.
2	Akhare	Bhagyashree	Vijay	B. Sc.
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6	Bayaskar	Chakuli	Ramesh	M.Sc.
7	Bhagat	Achal	Abhay	B. Sc.
8	Bhatkar	Manisha	Umakant	M.Sc.
9	Bhidkar	Gayatri	Sureshrao	M.Sc.
10	Bidkar	Samiksha	Pralhadrao	M.Sc.
12	Bobade	Radhika	Narendra	B. Sc.
13	Bonte	Nilay	Prashant	B. Sc.
14	Chaure	Trupti	Suresh	B.C.A
15	Chavhan	Akshay	Vijay	M.Sc.
16	Chavhan	Reshma	sunil	M.Sc.
17	Choudhary	Pooja	Rajender	M.Sc.
18	Chouthmal	Harish	Santosh	B.Voc.
19	Dahiwele	Anjali	Vyankatrao	B. Sc.
20	Dakhode	Vaishnavi	Dnyaneshwar	B.C.A

21	Deshmukh	Samruddhi	Pradiprao	B. Sc.
22	Deshmukh	Raee	Shirish	B.C.A
23	Deshmukh	Amisha	Vijay	B. Sc.
24	Deshmukh	Darshana	Mahendra	B. Sc.
25	Devtale	Anuja	Bharat	B. Sc.
26	Dhamande	Vaishnavi	Subhash	M.Sc.
27	Dhandar	Piyush	Shalikram	M.Sc.
28	Dhandar	Tejaswini	Prabhakarrao	M.Sc.
29	Dhobale	Shivani	Sanjay	B. Sc.
30	Dongare	Rohit	Rameshwar	B. Sc.
31	Dongre	Supriya	Arun	B. Sc.
32	Dudhe	sanjana	vinod	B.Voc.
33	Dutonde	Pooja	Sakharam	M.Sc.
34	Gajbe	Himani	Vijay	B.Voc.
35	Ganorkar	Anurag	Anil	BCA
36	Gawai	Rishabh	Manoj	B.C.A
37	gawande	namrata	prabhakar	M.Sc.
38	Gawande	Bhumika	Shardrao	B. Sc.
39	Gharde	Anushri	Sunil	B. Sc.
40	Ghodeswar	Riya	Ranjeet	B.C.A
41	Ghormade	Parvani	Shivajirao	M.Sc.
42	Giri	Shivani	Chandrashekhar	M.Sc.
43	Giri	Ashwini	Ravindra	M.Sc.
44	Gohad	Pranav	Sanjay	B. Sc.

45	Gunjal	Tejaswini	Vilasrao	M.Sc.
46	Hekade	Yogesh	Gangaram	M.Sc.
47	Ingale	Rutuja	Rajendra	M.Sc.
48	Ingale	Namrata	Subhash	M.Sc.
49	INGOLE	Minal	Vijay	M.Sc.
50	Jamodkar	Sayali	Suresh	M.Sc.
51	Jawanjal	Aishwarya	Sanjay	B.C.A
52	Jawanjal	Ankit	Satish	M.Sc.
53	Kadu	Prachi	Vinod	B.C.A
54	Kahane	Renuka	Vishnu	B.C.A
55	Kale	Pranali	Nandkishor	M.Sc.
56	Kale	Sunita	Gajanan	M.Sc.
57	kanherkar	ankita	Rajendra	M.Sc.
58	Kaple	Rucha	Hari	M.Sc.
59	Kapuskar	Rohit	Pareshwar	B. Sc.
60	Karale	Pranal	Dilip	M.Sc.
61	Kasar	Aishwarya	Milind	B. Sc.
62	Khadse	Ashish	Satish	B.C.A
63	Khadse	Diksha	Bhojraj	M.Sc.
64	Khalokar	Shreya	Nandkishor	B. Sc.
65	Khandar	Shraddha	Dinkar	B.C.A
66	Khanzode	Shraddha	Rajendra	M.Sc.
67	kogade	prathamesh	Anil	B.Voc.
68	Lahane	Shweta	Nandkishor	M.Sc.

69	Lambe	Nileema	Rameshrao	M.Sc.
70	Likhe	Namrata	Gajanan	M.Sc.
71	Lohakare	Tejaswini	Narayanrao	B. Sc.
72	Lokhande	Sonali	Pradip	B. Sc.
73	Madakwade	Prajakta	Thamraj	B. Sc.
74	Mahalle	Ujjwal	Vilasrao	B. Sc.
75	Mahalle	Aniket	Deepak	B. Sc.
76	Mahule	Nisha	Dayashankar	M.Sc.
77	Makeshwar	Akansha	Nandkumar	M.Sc.
78	Mankar	Gayatri	Manohar	B. Sc.
79	Metkar	Pratiksha	Narendra	B. Sc.
80	Mitkari	Vishal	Arjun	M.Sc.
81	Modak	Komal	Arunrao	B. Sc.
82	More	Gayatri	Jaysing	B.Voc.
83	Mudliar	Mansi	Rajkumar	M.Sc.
84	Nirmal	Namita	Kishor	B.C.A
85	Nishane	Shravani	Vijayrao	B. Sc.
86	Pachghare	Kalyani	Janrao	B.C.A
87	Pachpor	Nandini	Varsha	B. Sc.
88	Pachpor	Vaishnavi	Kailasrao	M.Sc.
89	Pakhale	Kanchan	Gajanan	B.C.A
90	Pandey	Roshni	Bhola	M.Sc.
91	Patil	Pragati	Sharad	B.C.A
92	Patkar	Kshitij	Deokisan	B. Sc.

93	Pawar	LKV		M.Sc.
94	Pawar	Tushar	Shyam	B.Voc.
95	Pawar	Vaishnavi	Ganeshrao	B.C.A
96	Pedhekar	Ritesh	Ramrao	B. Sc.
97	Potdukhe	Pratima	Tulshiram	M.Sc.
98	Puranik	Pratiksha	Govind	PH.D
99	Raghatate	Divya	Nandkishor	M.Sc.
100	Ramteke	Mrunal	Diliprao	B. Sc.
101	Raut	Ajinkya	Pratap	B.C.A
102	Raut	Harshda	Ashokrao	B.C.A
103	Raut	krushnali	Rajesh	B.C.A
104	Salunke	shivam	suresh	B.Voc.
105	Sambhare	Kishori	Vijayrao	M.Sc.
106	SATIMESHRAM	APURVA	PRALHAD	B. Sc.
107	Satpute	Gauri	Nivrutti	B.C.A
108	Saudagar	Sadiyasadaf	Zulfuddin	M.Sc.
109	Sayyed	Yasmeen ali	Abdul Sattar	M.Sc.
110	Sharma	Vaishnavi	Krushnagopal	B.C.A
111	Sharma	Priyanka	Pravin	B. Sc.
112	Shrikhande	Anuradha	Vijayrao	M.Sc.
113	Soitkar	Yash	Vaibhav	B.C.A
114	Soye	Chetan	Vidyadhar	M.Sc.
115	Takarkhede	Kalyani	Pramodrao	B. Sc.
116	Tayade	Aishwarya	Dadarao	B. Sc.

Curriculum and Time Table



Shri Shivaji Science College, Amravati

CAREER COUNSELING CELL

"Global Competency Training Programme (GCTP)"

5th to 15th February 2020

Venue: A. V. Theatre

Time: 5.00 pm to 6.30 pm

OPEN For ALL THE STUDENTS OF BSc, BCA, BVoc and MSc

Final Schedule

DATE	TOPIC	TRAINER
5th Feb	Induction Talk GLOBAL MEGATRENDS	**Dr. Dipak Vohra** Indian Diplomat Ambassador at Government of India, New Delhi, India
6th Feb	Global Challenges for Career Development	**Dr. D. D. Khedkar** Shri Shivaji Science College, Amravati
7th Feb	Social Awareness and Personal Attributes Exercise 1	**Dr. Avinash Mohril** Dean, Faculty of Humanities, Sant Gadge Baba Amravati University
8th Feb	Global Citizenship and Competencies	**Dr. D. D. Khedkar** Shri Shivaji Science College, Amravati
9th Feb	Interpersonal Communication Skills	**Dr. Avinash Mohril** Dean, Faculty of Humanities, Sant Gadge Baba Amravati University
10th Feb	Language Skills	**Dr. Vaishali Deshmukh** English and Foreign Language Expert, EFLU, Hyderabad
11th Feb	Digital, Media and Information Literacy	**Rahul Shah** Tuljaram Chaturchand College, Baramati
12th Feb	Using and Communicating through Digital Tools	**Rahul Shah** Tuljaram Chaturchand College, Baramati
13th Feb	Professional and Learning Competencies	**Pankaj Gorde,** Team Lead, Workforce Logiq, Mumbai
14th Feb	Organizational and Teamwork Skills	**Manish Dhage,** Director, Visionary Consultancy Ltd. Pune
15th Feb	Innovative Thinking Skills	**Dr. D. D. Khedkar** Shri Shivaji Science College, Amravati

D. D. Khedkar
Convener
Career Counselling Cell
Shri Shivaji Science College, Amravati

Dr. V. G. Thakare
Principal
Shri Shivaji Science College,
Amravati, MS, India

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Shri Shivaji Science College, Amravati

"Global Competency Training Programme (GCTP)"

Course Curriculum:

SESSION I: GLOBAL MEGATRENDS

International and National Scenario, Rapid urbanization, Climate change and resource scarcity, Shift in global economic power, Demographic and social change, Technological breakthroughs, National Security

SESSION II: SOCIAL AWARENESS AND PERSONAL ATTRIBUTES

Emotional intelligence, Self Awareness, Self Regulation, Social Awareness, Relationship Management, Empathy and Sympathy, Organizational Awareness, Service industry, Digital communication, social networking.

SESSION III: INTERPERSONAL COMMUNICATION SKILLS

Conceptual understanding and demand.

Skills: Verbal communication, Active listening, Body language, Openness, Negotiation skills, Decision making and problem-solving skills, Conflict resolution.

Competencies: Influence, Inspirational leadership, Developing others, Change catalyst, Conflict management, Settling disputes, Building bonds, Teamwork and collaboration

SESSION IV: GLOBAL CHALLENGES FOR CAREER DEVELOPMENT

Career Development, Stages in Career Development, National and Global Challenges

Challenges: Workplace, Teamwork, Advancement Concerns, Professional Competition, Global Communications, Modern skills, technological uplifments

SESSION V:GLOBAL CITIZENSHIP AND COMPETENCIES

Scope and Concept, Belief System, Cultural Perspectives, Inclusive and Sustainable World, United Nations' SDG Goal, CompetenciesBucket, OECD PISA global competence framework

Competencies: Knowledge, Cognitive skills, Social skills and attitudes, Values

OECD Global Competencies Assessment.

SESSION VI:LANGUAGE SKILLS

Scope and Importance, Listening Skill, Speaking Skill, Reading Skill, Writing Skill. Assessment and improvisation, Conflicts, Grey areas

SESSION VII:DIGITAL, MEDIA AND INFORMATION LITERACY

Principles Of Digital Literacy, Significance and limitations, Information Technology, Media Types, Special Skills.

SESSION VIII:USING AND COMMUNICATING THROUGH DIGITAL TOOLS

Personal and Professional Communication, Ways of Communication, Digital Tools, Digital Marketing Tools and Strategies, Collaborating Tools

SESSION IX:PROFESSIONAL AND LEARNING COMPETENCIES

Professional competencies, skills, knowledge and attributes.

Core competencies - Communication. All leaders must be able to listen to others, process information, and communicate effectively, Leadership, Adaptability, Building Relationships, Task Management, Production, Developing Others, Personal Mastery.

SESSION X:ORGANIZATIONAL AND TEAMWORK SKILLS

Structure of business organization, Working patterns, Hierarchy, Reportings.

Effective Team, Teamwork skills, Qualities of Teamwork

SESSION XI:INNOVATIVE THINKING SKILLS

Scope and Concept, Creative Thinking, Innovative Thinking, Skill Assessments, Polishing and upgrading skills, Strategies of implementation

Assessment

Assessment: all students have successfully completed the training program on "Global Competency Training Programme (Gctp)"

Summary Report and Course Outcome

Summary Report & Outcome

Many important skills need to be developed in a student to make a great career nationally and globally. To inculcate those skills Career Counselling Cell working under college had launched the course entitled "Global Competencies Training Program." The course curriculum was designed to develop the quality of the skills required to prepare Global Citizens out of normal college going students. This course was conducted from 5th to 15th February, 2020.

UG students from BSc, BCA and BVoc as well as PG students enrolled for the course. The course was commenced with the Induction Talk by Dr. Deepak Vohra, Ambassador, Government of India. He delivered fantastic talk on "Global Mega Trends".

Overall, 116 students participated in the course. It was concluded with the Valedictory Function chaired by IQAC coordinator Dr. H. S. Lunge. While sharing the feedback on the complete course students highlighted the need of this course. It was also pointed out by students that; the course has transformed their perspective. Students acknowledged the organizers and requested to conduct this course for longer duration with more attributes needed for the Global Competency. Certificates were distributed to all the participating students.

The coordinator of this course, Dr. Dinesh Khedkar, conducted the first session on the important topic of "Global Challenges for Career Development". Dr. AvinashMoharil, Dean, Sant Gadgebaba Amravati University provided guidance on "Social Awareness and Personal Attribution" and "Interpersonal Communication Skills". On the very important subject of "Language Skills", Dr. Vaishali Deshmukh, Shri Shivaji College of Arts and Commerce shed light. Dr. Rahul Shah, TuljaramChaturchand College Baramati discussed with the students two important topics, "Digital Media and Information Literacy" and "Using and Communicating through Digital Tools" and taught them the latest technology. Mr. Pankaj Gorde, Team Leader, Work Force Logic Mumbai, interacted with students on "Professional and Learning Competition" required in large companies. Mr. Manish Dhage, Director, Visionary Consultancy Ltd. Pune, gave the students an idea of the future challenges of "Organization and Teamwork Skills" which are essential for working in any national and international group. Dr. Dinesh Khedkar shed light on "Global Citizenship and Global Competencies" as well as "Innovative Thinking Skills" through various student activities. The course was successfully concluded with the participation of a total of 116 students in the presence of Dr. Haribhau Lunge, IQAC Coordinator of the College. In the feedback given by the students, there is a great need for such programs and they feel that they have gone beyond the boundaries of the curriculum and learned about the real world and the necessary skills.

COURSE OUTCOMES:

1. Understand the Global competencies
2. Personal Grooming for international professions
3. Understanding and development of the Core Skills
4. Self-Evaluation
5. Personal upliftment

Dept. of Botany (Medicinal Plant: Medicinal Uses and Career Opportunity- MPMUCO)

Name and Duration of the Program

Medicinal Plants: Traditional Uses and Career Opportunities (MPTUCO) – 2019-2020

To,

The IQAC,

Shri Shivaji Science College,

Amravati

Subject: **Permission regarding the Conduction of Value-Added Certificate Course.**

Respected Sir,

Taking into consideration about the current scenario of Covid-19 pandemic and importance of Medicinal Plants for boosting the immunity to fight against corona virus, Department of Botany, Shri Shivaji Science College, Amravati want to organize one month online certificate course on **" Medicinal Plants : Traditional Uses and Career Opportunities (MPTUCO)"** from**27th July 2020 to 30thAugust 2020.**

This is an applied course and become more important as Government of India also establish a separate ministry " MINISTRY OF AYUSH" by understanding the value of medicinal plants. The main objective of the course is that the students must know about the novel medicinal properties of plants along with career opportunities in the field of Herbal Medicines.

Please permit us to conduct the course and oblige.

Date:

Head

Department of Botany

Shri Shivaji Science College, Amravati

Notice

Dear Learners,

Taking into consideration about the current scenario of Covid-19 pandemic and importance of Medicinal Plants for boosting the immunity to fight against corona virus, Department of Botany, Shri Shivaji Science College, Amravati is going to organize one month online certificate course on " Medicinal Plants : Traditional Uses and Career Opportunities (MPTUCO)".This Course is designed for UG & PG students of Shri Shivaji Science College, Amravati.

This is an applied course and become more important as Government of India also establish a separate ministry " MINISTRY OF AYUSH" by understanding the value of medicinal plants.The main objective of the course is that the students must know about the novel medicinal properties of plants along with career opportunities in the field of Herbal Medicines.

Course Title - Medicinal Plants: Traditional Uses and Career Opportunities (MPTUCO)

Course Star Date:27th July 2020Course End Date: 30thAugust 2020

Date of Final Examination: 31stAugust 2020

Course Fees: Free

Registration Link :

https://docs.google.com/forms/d/e/1FAIpQLSchKSZQPEAh29LlrBDntXVN-mCJDnS9w5mc4V59zGbMGPLHaA/viewform

Date:

Head

Department of Botany

Shri Shivaji Science College, Amravati

List of the Students Enrolled and Attendance

Timestamp	Last Name	First Name	Middle Name	Email address	Gender
7/11/2020 21:14:24				maggirwarrekha@gmail.c	Female
7/12/2020 21:05:12	Chause	Aatif Bin	Anis	aatifchause9@gmail.com	Male
7/12/2020 21:06:09	Pawar	LKV	LKV	lkvpawar@gmail.com	Male
7/12/2020 21:09:12	Naikwade	Abhishek	Ramdas	abhisheknaikwade51213	Male
7/12/2020 21:12:27	Naikwade	Abhishek	Ramdas	abhisheknaikwade51213	Male
7/12/2020 21:12:45	Bure	ishwari	Yogiraj	Ishwaribure@gmail.com	Female
7/12/2020 21:12:48	Sherje	Radhika	Prakash	radhikasherje45678@gm	Female
7/12/2020 21:13:19	AKHARE	BHAGYASHREE	VIJAY	vijayakhare697@gmail.cc	Female
7/12/2020 21:13:38	Nichat	Shweta	Vinodrao	nichatshweta@gmail.com	Female
7/12/2020 21:14:44	Giri	Shivani	Chandrashekhar	bioinfo.shivanigiri@gmail.	Female
7/12/2020 21:14:46	Vaidya	Ashish	Mahadev	amv2772001@gmail.com	Male
7/12/2020 21:15:07	Werulkar	Shraddha	Vilasrao	shraddhawerulkar12@gm	Female
7/12/2020 21:15:11	Korde	Gauri	Sewakram	Bioinfo.gauri@gmail.com	Female
7/12/2020 21:15:16	Vaidya	Ashish	Mahadev	amv2772001@gmail.com	Male
7/12/2020 21:15:19	Vaidya	Ashish	Mahadev	amv2772001@gmail.com	Male
7/12/2020 21:15:20	Bobade	Prajakta	Vinod	bobadeprajakta07@gmai	Female
7/12/2020 21:15:36	Jawanjal	Poonam	Deepakrao	pnmjawanjal131297@gm	Female
7/12/2020 21:16:00	Patel	Rucha	Mangesh	ruchapatel909@gmail.cor	Female
7/12/2020 21:17:27	Gawali	Sanil	Devidas	gawalisunil80@gmail.com	Male
7/12/2020 21:17:56	Meshram	Tilottma	Madhusudhan	Tilottma111@gmail.com	Female
7/12/2020 21:18:27	Bgaade	Kamalika	Sharad	kamalikabagade333@gm	Female
7/12/2020 21:19:13	Madavi	Nikita	Sheshrao	Nikitamadavi38@gmail.cc	Female
7/12/2020 21:19:44	Satinge	Punam	Laxman	punamsatinge123@gmail	Female
7/12/2020 21:20:59	Bhusari	Pranali	Anilreo	pranalibhusari01@gmail.c	Female
7/12/2020 21:21:42	Wagh	Rupali	Devlal	rupaliwagh8611@gmail.c	Female
7/12/2020 21:21:51	Sheikh	Shabnam	Nasim	Shabnamparvin7392@gn	Female
7/12/2020 21:22:38	Holey	Gayatri	Diliprao	gayatriholey8@gmail.com	Female
7/12/2020 21:23:28	Naziya Parveen shaikh m	Naziya	Shaikh	shaikhmukhtyar71945@g	Female
7/12/2020 21:24:03	Harne	Renuka	Gajanan	renukaharne12@gmail.cc	Female
7/12/2020 21:25:05	Jaiswal	Komal	Nandkishor	jaiswalkomal036@gamil.c	Female
7/12/2020 21:26:48	Bais	Ankush	Narayan	baisankush03@gmail.com	Male
7/12/2020 21:27:25	Karale	Pranal	Dilip	write2pranal@gmail.com	Female
7/12/2020 21:27:34	Bakale	Gayatri	Rajivpant	gargibakale@gmail.com	Female
7/12/2020 21:27:57	Bakale	Gayatri	Rajivpant	gargibakale@gmail.com	Female
7/12/2020 21:28:00	MALVE	PALLAVI	JAYSHRIRAM	malvepallavi03@gmail.co	Female
7/12/2020 21:28:58	Pandharekar	Satish	Madan	satishpandharekar@gma	Male
7/12/2020 21:29:05	Abdul	Huma Anam Abdul Gaffa	Huma Anam	Huma2092000@gamil.co	Female
7/12/2020 21:29:41	Umale	Pruthwa	Madhukar	Pruthwaumale@gmail.cor	Female
7/12/2020 21:30:51	kale	Vitthal	Gajanan	vitthalkale357@gmail.com	Male
7/12/2020 21:31:37	SHINDE	SHITAL	JANARDHAN	sjshinde1998@gmail.com	Female
7/12/2020 21:32:25	Jamdhade	Komal	Arun	komaljamdhade9@gmail.	Female
7/12/2020 21:37:12	Khan	Adibanur	Ajij	adibakhan2632001@gma	Female
7/12/2020 21:39:25	Kankirad	Pallavi	Rajesh	pallavikankirad1508@gm	Female
7/12/2020 21:40:14	Barbude	Shreya	Vijay	barbudeshreya756@gma	Female
7/12/2020 21:41:12	Harne	Gayatri	Gajanan	gayatriharne001@gmail.c	Female
7/12/2020 21:42:51	Razzaque	Khushbu Fatema	Abdul	Khushbu Fatema 3@gma	Female
7/12/2020 21:44:41	Gawande	Vaishnavi	Vilasrao	vaishnaviga1de97@gmai	Female
7/12/2020 21:46:05	Bale	Rutwik	Nitin	rutikbale223@gmail.com	Male
7/12/2020 21:49:29	Saudagar	Sadiya	Sadaf	Sadiyasadaf27@gmail.co	Female
7/12/2020 21:50:06	Bhojane	Sakshi	Ravosaheb	bhojanesakshi433@gmai	Female

Timestamp	Last Name	First Name	Middle Name	Email address	Gender
7/12/2020 21:53:03	Malode	Janhvi	Bhaurao	janhvim2015@gmail.com	Female
7/12/2020 21:53:15	Neha Vilasrao kadu	Neha	Vilasrao	nehakadu379@gmail.con	Female
7/12/2020 21:53:21	Chaulamwar	Akhil	Sunil	akhilchaulamwar1@gmai	Male
7/12/2020 21:53:49	Chaulamwar	Akhil	Sunil	akhilchaulamwar1@gmai	Male
7/12/2020 21:55:21	Muratkar	Divyani	Sunil	divyanimuratkar123@gm	Female
7/12/2020 21:55:43	Devkar	Rani	Balasaheb	ranidevkar1012@gmail.c	Female
7/12/2020 21:58:26	Dadhore	Shabnam	Bholaram	shabnamdadhore@gmail	Female
7/12/2020 22:02:18	Boharupi	Nikita	Dhanrajpant	nikitabha2018@gmail.cor	Female
7/12/2020 22:03:04	Lanjewar	Pragati	Vasantrao	pragatilanjewar99@gmail	Female
7/12/2020 22:03:43	Sharma	Vaishnavi	Vicky	vv2sharma@gmail.com	Female
7/12/2020 22:04:41	PATIL	TEJASWINI	PRAKASHRAO	metejupatil1@gmail.com	Female
7/12/2020 22:08:10	Honade	Abhay	Gajananrao	abhayhonade46@gmail.c	Male
7/12/2020 22:10:42	Mahule	Nisha	Dayashankar	nishamahule16@gmail.cc	Female
7/12/2020 22:10:51	Tayade	Ankita	Milind	ankitatayade0107@gmail	Female
7/12/2020 22:11:41	Shekokar	Ku.Pranali	Vilasrao	pranalishekokar1998@gr	Female
7/12/2020 22:11:46	Chavhan	Reshma	Sunil	reshmachavhan111@gm	Female
7/12/2020 22:15:39	Pawar	Shraddha	Sureshrao	Shrikrishna peth, morshi [	Female
7/12/2020 22:16:04	Khajabage	Rupali	Narendrarao	rupalikhajabage21@gmai	Female
7/12/2020 22:17:42	Ingole	Ankita	Pruthviraj	ankitapingole@gmail.com	Female
7/12/2020 22:20:20	Mitkari	Vishal	Arjun	Vmitkari2019@gmail.com	Male
7/12/2020 22:20:45	Thakare	Pratiksha	Gajananrao	Pratikshathakare6@gmai	Female
7/12/2020 22:21:13	Dike	Pragati	Radhesham	pragatidike451@gmail.co	Female
7/12/2020 22:21:24	Kakad	Priyanka	Tulsiram	Priyankakakad4694@gm	Female
7/12/2020 22:21:26	Rakhonde	Shrutika	Vinayak	rakhondeshrutika@gmail.	Female
7/12/2020 22:21:27	Kakde	Rasika	Rajesh	rasikakakde147@gmail.c	Female
7/12/2020 22:23:19	Likhe	Namrata	Gajanan	namratalikhe1997@gmail	Female
7/12/2020 22:24:36	Khadse	Diksha	Bhojraj	dikshakhadse444@gmail	Female
7/12/2020 22:25:35	Bobade	Dhama	Raju	Dhama121296@gmail.co	Female
7/12/2020 22:25:57	Lambe	Nileema	Rameshrao	nileemalambe1996@gma	Female
7/12/2020 22:26:23	GADAM	LAKHAN	PRAKASH	lakhangadam0@gmail.co	Male
7/12/2020 22:27:04	Mahule	Nisha	Dayashankar	nishamahule16@gmail.cc	Female
7/12/2020 22:28:58	Wankhade	Renuka	Sunilrao	Wankhaderenu1994@gm	Female
7/12/2020 22:30:39	Sande	Ankita	Dipakrao	ankusande2805@gmail.c	Female
7/12/2020 22:34:05	Sarnaik	Shital	Sanjayrao	At chikhli	Female
7/12/2020 22:34:12	Abdul Samad	Abdul	Maaz	abdulmaaz2016@gmail.c	Male
7/12/2020 22:36:22	Thakur	Shivani	Ratansingh	shivthakur2496@gmail.cc	Female
7/12/2020 22:39:27	Raut	Aboli	Digambar	aboliraut30@gmail.com	Female
7/12/2020 22:39:47	Sarnaik	Shubham	Gajananrao	sarnaikshubham827@gm	Male
7/12/2020 22:43:41	Bobade	Rudrayanee	Ganeshrao	bobaderudrayanee@gma	Female
7/12/2020 22:48:51	Shaikh	Fiza	FIZA PARVEEN SHAIKH	fizusk85027@gmail.com	Female
7/12/2020 22:51:42	Lahane	Shweta	Nandkishor	Lahaneshweta1998@gm	Female
7/12/2020 22:55:00	Abdul Samad	Yasmeen	Fatima	Zabduls51@gmail.com	Female
7/12/2020 23:04:51	Lende	Nidhi	Vijay	Nidhilende98@gmail.com	Female
7/12/2020 23:04:59	Lende	Nidhi	Vijay	Nidhilende98@gmail.com	Female
7/12/2020 23:07:12	Tayade	Sakshi	Shyam	sakshitayde2001@gmail.	Female
7/12/2020 23:10:33	Chavhan	Akshay	Vijay	akshaychavhan70@gmai	Male
7/12/2020 23:11:15	Chavhan	Akshay	Vijay	akshaychavhan70@gmai	Male
7/12/2020 23:25:28	Dhole	Kalyani	Virendra	Kalyanidhole239@gmail.c	Female
7/12/2020 23:27:44	Khan	Tanveer	Aslam	tanveerkhan77867786@g	Male
7/12/2020 23:37:56	Deshmukh	Ajinkya	Vijayrao	deshmukhajinkya1997@g	Male

Timestamp	Last Name	First Name	Middle Name	Email address	Gender
7/12/2020 23:44:06	Zade	Nikita	Anilrao	zadenikita2@gmail.com	Female
7/13/2020 0:24:47	Hundani	Khushboo	Deepak	Kdh28122000@gmail.cor	Female
7/13/2020 0:26:50	Ingale	Kalyani	Sudhir	ingalekalyani086@gmail.(	Female
7/13/2020 1:38:27	Khalokar	Shreya	Nandkishor	shreyannkhalokar01@gm	Female
7/13/2020 1:47:13	Jambhale	Yogesh	Manojsingh	yogujambhale@gmail.cor	Male
7/13/2020 2:32:15	Wankhade	Rushika	Rameshwar	rushikawankhade1@gma	Female
7/13/2020 6:21:08	Manorkar	Mahesh	Pandurang	Maheshmanorkar@gmail	Male
7/13/2020 6:50:09	Nawale	Aarti	Dipak	aartinawale66@gmail.cor	Female
7/13/2020 6:54:54	Raut	Shubhangi	Pravinrao	rautshubhangi199@gmail	Female
7/13/2020 7:02:51	jadhavtejas1539@gmail.c	Tejas Prakash Jadhav	7083158034	jadhavtejas1539@gmail.c	Male
7/13/2020 7:03:00	Gaidhane	Tejaswini	Kishor	tejaswinigaidhane24@gm	Female
7/13/2020 7:06:47	Patil	Anita	Deoba	Anitapadhen2015@gmail	Female
7/13/2020 7:16:00	Chaudhari	Vipul	Nitin	vipulpatil7744@gmail.cor	Male
7/13/2020 7:17:25	Chandiwale	Nikita	Shravan	nikitachandiwale@gmail.(	Female
7/13/2020 7:24:14	Ghate	Santosh	Konduji	Santoshghate876@email	Male
7/13/2020 7:24:41	Javale	Sujata	Subhash	javalesujata204@gmail.c	Female
7/13/2020 7:26:58	Gawali	Harshada	Nandkishor	harshadagawali99@gmai	Female
7/13/2020 8:14:10	tayade	Aishwarya	Dadarao	aishwarya.tayade2018@g	Female
7/13/2020 9:01:05	Pawar	Sachin	Dilip	sachinpawar591@gmail.c	Male
7/13/2020 9:06:55	Gujare	Juhi	Sunil	juhigujare123@gmail.com	Female
7/13/2020 9:14:23	Wajge	Pranjali	Khandeshwar	pranjaliwajge2@gmail.co	Female
7/13/2020 9:17:26	Ambekar	Shital	Padmakarrao	shitalpambekar@gmail.cc	Female
7/13/2020 9:32:24	WADHALE	PUJAN	SUDAM	pujanwadhale2000@gma	Female
7/13/2020 9:32:42	CHAUDHARI	ANCHAL	NARENDRA	chaudharypatilaachal@gr	Female
7/13/2020 9:34:40	Pangarkar	Rutuja	Dhananjay	rutujapangarkar44@gmai	Female
7/13/2020 9:35:21	Gupta	Roshani	Pralhad	gupta1997sonu@gmail.cc	Female
7/13/2020 9:35:41	WADHALE	PUJAN	SUDAM	pujanwadhale2000@gma	Female
7/13/2020 9:37:21	Shaikh	Uzma parveen	Shaikh jameel	Uzmaparveen743@gmail	Female
7/13/2020 9:38:52	WADHALE	PUJAN	SUDAM	pujanwadhale2000@gma	Female
7/13/2020 9:39:02	Neware	Nikita	Arunrao	bioinfo.nikitaneware@gm	Female
7/13/2020 9:40:53	Mudliar	Mansi	Rajkumar	mansimudliar11@gmail.c	Female
7/13/2020 9:42:48	Neware	Nikita	Arunrao	bioinfo.nikitaneware@gm	Female
7/13/2020 9:46:00	Shaikh	Uzma parveen	Shaikh jameel	Uzmaparveen743@gmail	Female
7/13/2020 9:49:07	Ande	Kalyani	Diliprao	kdande1996@gmail.com	Female
7/13/2020 10:55:04	Kapuskar	Rohit	Pareshwar	kapuskarrohit@gmail.cor	Male
7/13/2020 10:56:00	Saraf	Vaishnavi	Suresh	vaishnavi.saraf98@gmail	Female
7/13/2020 10:56:56	Gudadhe	Rutuja	Sanjayrao	rutujagudadhe24800@gm	Female
7/13/2020 11:04:12	Ramteke	Mrunal	Diliprao	Mrunalramteke09@gmail	Female
7/13/2020 11:11:14	Waghmare	Swati	Sudhakar	waghmareswati093@gm	Female
7/13/2020 11:22:44	Thakare	Adika	Bhaiyyasaheb	adikathakare2001@gmail	Female
7/13/2020 11:22:57	Kale	Pranjal	Nagorao	pranjalkale2018@gmail.c	Female
7/13/2020 11:25:34	Mawaskar	Gaurish	Nandhkishor	gaurishmawaskar@gmail	Male
7/13/2020 11:33:33	Giri	Vishal	Santosh	vishalgiri3126@gmail.cor	Male
7/13/2020 11:49:49	Chokhat	Dnyaneshwari	Vinayak	Dnyaneshwarichokhat@g	Female
7/13/2020 11:55:15	Thakar	Jigyasa	Rajesh	jigyasath99@gmail.com	Female
7/13/2020 12:09:36	Nimbhorkar	Kaveri	Bhagwat	kaverinimbhorkar20@gm	Female
7/13/2020 12:10:20	Jamdhade	Shubham	Pandit	Shubhamjamdhade785@	Male
7/13/2020 12:24:57	More	Pankaj	Sanjay	pankajmore564@gmail.cc	Male
7/13/2020 12:28:39	Kukatkar	Payal	Awadhutrao	Kukatkarpayal@gmail.cor	Female
7/13/2020 12:32:07	Kukatkar	Payal	Awa	Awadhutrao	Female

Timestamp	Last Name	First Name	Middle Name	Email address	Gender
7/13/2020 12:53:16	Atram	Amruta	Abhiman	atramamruta@gmail.com	Female
7/13/2020 12:57:37	Taywade	Ankita	Anilrao	taywadeankita@gmail.co	Female
7/13/2020 12:58:27	Chule	Shekhar	Waman	shekharchule50@gmail.c	Male
7/13/2020 13:02:50	Sheikh	Shabnam	Nasim	Shabnamparvin7392@gn	Female
7/13/2020 13:14:10	Thak	Janhavi	Gopal	janhavigthak@gmail.com	Female
7/13/2020 13:17:49	Hole	Mayuri	Balasaheb	bioinfo.mayurihole@gmai	Female
7/13/2020 13:26:20	Shirbhate	Vedangi	Deepakrao	vedangishirbhate292001(	Female
7/13/2020 13:36:53	Salve	Suraj	Nago	salvesuraj987@gmail.con	Male
7/13/2020 13:44:39	Kulkarni	Komal	Prakashrao	bioinfo.komalkulkarni@gr	Female
7/13/2020 14:16:20	Lomate	Nandini	Vilas	nandinilomate2000@gma	Female
7/13/2020 14:21:34	Patil	Anita	Deoba	Anitapadhen2015@gmail	Female
7/13/2020 14:27:52	Yadav	Sneha	Hariram	ysneha157@gmail.com	Female
7/13/2020 14:37:29	Kaware	Hitakshi	Rajesh	hitakshikaware93471@gr	Female
7/13/2020 14:56:23	Dhole	Vaishnavi	Vitthalrao	Vaishnavivdhole@gmail.c	Female
7/13/2020 15:08:38	Malamkar	Sharayu	Ravindra	Sharayumalamkar1999@	Female
7/13/2020 15:14:02	Patil	Pooja	Mahadeo	Poojampatil61@.gmail.co	Female
7/13/2020 15:22:43	Satimeshram	Apurva	Pralhad	apurvasatimeshram0207(	Female
7/13/2020 15:26:42	khan	muntazim	Gaffar	muntazim97@gmail.com	Male
7/13/2020 15:30:26	Bagdiya	Aparna	Pavan	aparnabagdiya2001@gm	Female
7/13/2020 15:59:50	Tiwari	Bharati	Bhuwan	tiwaribharati42@gmail.co	Female
7/13/2020 16:04:58	Vaidya	Rutuja	Shivshankar	vaidyarutuja03@gmail.co	Female
7/13/2020 16:07:33	Yawale	Pooja	Dnyaneshwar	Poojayawale15@gmail.cc	Female
7/13/2020 16:16:42	Tambakhe	Ghanshyam	Sanjayrao	ghanashyamtambakhe@(	Male
7/13/2020 16:45:13	Wankhade	Madhuri	Ganesh	Wankhademadhuri267@g	Female
7/13/2020 17:19:09	Malode	Janhvi	Bhaurao	janhvim2015@gmail.com	Female
7/13/2020 17:24:59	Khadse	Ankita	Purushottam	Ankitakhadse60@gmail.c	Female
7/13/2020 17:31:02	Ingle	Simran	Babulala	simraningle26@gmail.cor	Female
7/13/2020 17:36:42	Kalaskar	Mrunal	Pramod	Kalaskarmrunal@gmail.c	Female
7/13/2020 18:16:13	Khan	Tanveer	Aslam	tanveerkhan77867787@g	Male
7/13/2020 18:36:16	Wadode	Vaibhav	Prakash	vaibhavwadode999@gma	Male
7/13/2020 18:47:06	Khalokar	Shreya	Nandkishor	shreyannkhalokar01@gm	Female
7/13/2020 19:49:42	Lokhande	Sonali	Pradip	sonalilokhande2682001@	Female
7/13/2020 20:35:58	Gaikwad	Pallavi	Rajesh	gipallavi935@gmail.com	Female
7/13/2020 21:02:38	Bonde	Arpit	Raju	Starkappy1@gmail.com	Male
7/13/2020 21:03:48	wakode	sachin	siddharth	sachinwakode01@gmail.(	Male
7/13/2020 21:21:53	Mahakal	Vaishnavi	Vishnu	vaishnavivishnumahakal(	Female
7/13/2020 21:24:08	Dhande	Manisha	Tulsiram	dhandemanisha03@gma	Female
7/13/2020 21:27:56	Dhande	Manisha	Tulsiram	dhandemanisha03@gma	Female
7/13/2020 21:50:42	Khanzode	Swati	Gajanan	Khanzodeswati2902@gm	Female
7/13/2020 22:07:27	Arpita balu fale	Arpita Balu fale	Arpita Balu fale	arpitafale 2001@gemail.c	Female
7/13/2020 22:18:32	Rai	Rashi	Anil	dhrurai123@gmail.com	Female
7/13/2020 22:35:27	Lakhapati	Prajkta	Sunil	prajktasl1999@gmail.com	Female
7/13/2020 23:21:27	Olokar	Supriya	Ramhari	supriyaolo15@gmail.com	Female
7/13/2020 23:22:40	Olokar	Supriya	Ramhari	supriyaolo15@gmail.com	Female
7/14/2020 6:53:49	Arpita Balu fale	Arpita Balu Fale	Arpita Balu Fale	arpitafale 2001@gemail.c	Female
7/14/2020 7:45:43	Vaishnavi	Nimbalkar	Sudhakarrao	vaishnavinimbalkar1999(	Female
7/14/2020 10:27:05	Khalokar	Komal	Ravindra	khalokarkomal@gmail.co	Female
7/14/2020 10:29:59	Pimparkar	Rucha	Raghvendra	rucha.pimparkar@gmail.c	Female
7/14/2020 10:42:25	Mudliar	Mansi	Rajkumar	mansimudliar11@gmail.c	Female
7/14/2020 11:50:51	Ande	Kalyani	Diliprao	kdande1996@gmail.com	Female

Timestamp	Last Name	First Name	Middle Name	Email address	Gender
7/14/2020 11:59:53	Thakare	Sakshi	Kiran	sakshikthakare@gmail.cc	Female
7/14/2020 12:01:46	Kadu	Manisha	Rajendra	manishakadu35@gmail.c	Female
7/14/2020 12:28:35	Bobade	Rudrayanee	Ganeshrao	bobaderudrayanee@gma	Female
7/14/2020 12:44:12	Sayyed	Yasmeen Ali	Abdul Sattar	sayyedyasmeenali23@gr	Female
7/14/2020 12:46:00	Gathe	Vikesh	Ramprasad	Vikeshgathe1234@gmail.	Male
7/14/2020 12:54:38	Syed	Sabahat Firdous	Aminuddin	saba22syed@gmail.com	Female
7/14/2020 13:57:18	Dahake	Amisha	Dharmendra	amishadahake.29@gmail	Female
7/14/2020 14:59:22	Gathe	Rinku	Balupant	rinkugathe72@gmail.com	Female
7/14/2020 14:59:23	Dike	Pragati	Radhesham	pragatidike451@gmail.co	Female
7/14/2020 15:33:04	Parise	Vrushali	Balu	Vrushaliparise2001@gma	Female
7/14/2020 15:36:45	Parise	Vrushali	Balu	Vrushaliparise2001@gma	Female
7/14/2020 15:47:03	Shinde	Puja	Sahebrao	Shindepuja389@gmail.cc	Female
7/14/2020 16:33:20	Ashvini Dilip Pranjale	Ashvini	Dilip	Ashvinipranjale655@gma	Female
7/14/2020 16:42:53	Kale	Neha	Rajesh	kaleneha398@gmail.com	Female
7/14/2020 16:46:44	Sardar	Neha	Ravindra	sardarneha24@gmail.cor	Female
7/14/2020 17:18:17	Bhond	Vaishnavi	Rajendra	Vaishnavibh57@gmail.c	Female
7/14/2020 17:43:56	Khalokar	Komal	Ravindra	khalokarkomal@gmail.co	Female
7/14/2020 17:50:36	Akolkar	Vaishnavi	Ramdas	vaishnaviakolkar1999@g	Female
7/14/2020 18:26:44	Jambekar	Bhushan	R.	bhushanjambekar8@gair	Male
7/14/2020 18:39:40	Sayyed	Yasmeen Ali	Abdul Sattar	sayyedyasmeenali23@gr	Female
7/14/2020 19:19:52	Rathod	Sanket	Anil	rathodsanket41@gmail.c	Male
7/14/2020 19:36:20	Kshirsagar	Samiksha	Wamanrao	samikshawk123@gmail.c	Female
7/14/2020 20:22:43	Malwekar	Janhavi	Rajendra	malwekarjanhavi@gmail.c	Female
7/14/2020 21:21:53	Bhamburkar	Vaishnavi	Vinay	vaishnavibhamburkar199	Female
7/14/2020 22:11:39	Kale	Vaishnavi	Kale	vaishnavikale1515@gma	Female
7/14/2020 23:13:39	Tiwari	Sejal	Vinod	Sejaltiwari15302@gmail.c	Female
7/15/2020 9:05:05	Aloni	Amit	Ravi	amitaloni3232@gmail.cor	Male
7/15/2020 9:52:20	Tayde	Pallavi	Purushottam	pallavitayde1997@gmail.	Female
7/15/2020 10:32:16	Kukade	Swarupa	Bapurao	kukadevaishu@gmail.cor	Female
7/15/2020 12:05:17	Wadhale	Pujan	Sudam	pujanwadhale2000@gma	Female
7/15/2020 12:25:08	Walli	Kalyani	Sanjay	kittujain576@gmail.com	Female
7/15/2020 13:09:08	Rakhe	Sanika	Devendra	Sanikarakhe@gmail.com	Female
7/15/2020 13:09:20	Rakhe	Sanika	Devendra	Sanikarakhe@gmail.com	Female
7/15/2020 13:14:27	Shendge	Mrudunga	Rajesh	mrudungashendge@gma	Female
7/15/2020 18:18:20	Kathane	Chaitali	Digambar	chaitalikathane2@gmail.c	Female
7/15/2020 18:33:51	Shruti dnyaneshwar Taya	Shruti	Dnyaneshwar	Shrutitayade4@gmail.cor	Female
7/15/2020 20:27:45	shrungare	Hitesh	Aniji	hiteshshrungare5@gmail.	Male
7/15/2020 20:37:47	Shevatkar	Prathamesh	Sudhir	prathameshshevatkar201	Male
7/15/2020 20:44:43	Upadhye	Abhishek	Rajendra	upadhye464@gmail.com	Male
7/15/2020 20:53:58	Pinjarkar	Sahil	Mahendra	sahil. Pinjarkar @gmail. C	Male
7/15/2020 20:58:17	Pete	Komal	Rajendra	komalpete2001@gmail.cc	Female
7/15/2020 20:58:33	Pete	Komal	Rajendra	komalpete2001@gmail.cc	Female
7/15/2020 21:04:32	Kale	Ankita	Avinash	ankitakale8238@gmail.cc	Female
7/15/2020 21:17:52	Ninghot	Komal	Dinesh	komalninghot7@gmail.co	Female
7/15/2020 21:20:27	Sawarkar	Gauri	Sudhirpant	sawarkargauri51@gmail.c	Female
7/15/2020 21:22:19	Pawar	Sudeshna	Mangilal	Sudeshnapawar79@gma	Female
7/15/2020 21:25:15	Pawar	Sudeshna	Mangilal	Sudeshnapawar79@gma	Female
7/15/2020 21:27:06	Helode	Shreya	Amrut	Shreyahelode123@gmail	Female
7/15/2020 21:27:06	Helode	Shreya	Amrut	Shreyahelode123@gmail	Female
7/15/2020 21:27:07	Helode	Shreya	Amrut	Shreyahelode123@gmail	Female

Timestamp	Last Name	First Name	Middle Name	Email address	Gender
7/15/2020 21:28:42	Ninghot	Komal	DINESH	komalninghot7@gmail.co	Female
7/15/2020 21:52:09	Khandokar	Maithili	Santosh	Jawardi ,post bhugawn ,a	Female
7/15/2020 21:59:28	Mundre	Ashwamegh	Charandas	mundreashwamegh@gm	Male
7/15/2020 22:05:08	Ajmire	Gaurav	Harish	gauravajmire123@gmail.c	Male
7/15/2020 22:12:18	Butley	Saloni	Subodhrao	Salonibutley.ytl@gmail.cc	Female
7/15/2020 23:18:36	Nage	Vaishnvi	Bhashkar	Vnage5518@gmail.com	Female
7/16/2020 13:07:27	Deshmukh	Manali	Vinod	Deshmukhmanali626@gr	Female
7/16/2020 15:53:53	Mehare	Sakshi	Anil	sakshimehare0@gmail.cc	Female
7/16/2020 23:05:44	Miss.kamini Uttamrao Dol	Kamini	Uttamrao	kamini.dolfode7718@gm	Female
7/17/2020 8:59:44	Gupta	Roshani	Pralhad	gupta1997sonu@gmail.c	Female
7/17/2020 14:43:54	Pande	Amisha	Aniruddha	amishapande3@gmail.co	Female
7/17/2020 15:26:35	Thakare	Pratiksha	Gajanan	Pratikshathakare6@gmai	Female
7/17/2020 15:45:31	Thakare	Pratiksha	Gajananrao	pratikshathakare6@gmail	Female
7/18/2020 12:10:35	Chawale	Samiksha	Dipak	samikshachawale550@g	Female
7/18/2020 15:25:17	Pachpor	Vaishnavi	Kailasrao	Vaishnavipachpor6649@	Female
7/19/2020 22:13:33	BAKHADE	KANAK	SANJAY	kanakbakhade9@gmail.c	Male
7/20/2020 13:54:51	Gadam	Lakhan	Prakash	lakhangadam0@gmail.co	Male
7/20/2020 13:58:16	Gadam	Lakhan	Prakash	lakhangadam0@gmail.co	Male
7/21/2020 14:17:08	Wankhade	Renuka	Sunilrao	Wankhaderenu1994@gm	Female
7/22/2020 17:35:45	Thakare	Dewang	Pradip	pradeepthakre01pt@gma	Male
7/23/2020 11:22:25	Tarale	Chandrashekhar	Shivshankar	chandrashekhartarale9@	Male
7/23/2020 18:43:06	MANKAR	KANCHAN	BHOJRAJ	kmankar811@gmail.com	Female
7/24/2020 16:02:42	MANKAR	KANCHAN	BHOJRAJ	kmankar811@gmail.com	Female
7/25/2020 20:03:49	Pise	Sakshi	Mahendra	sakshipise2000@gmail.c	Female
7/25/2020 22:17:18	Gaikwad	Pallavi	Rajesh	gipallavi935@gmail.com	Female
7/25/2020 23:07:46	Bobade	Samiksha	Govind	Samikshabobade23@gm	Female
7/26/2020 7:21:24	Padhiyar	Nikhil	Naveen	Nikhil.padhiyar05@gmail.	Male
7/26/2020 10:09:23	Bodkhe	Tanushri	Rajesh	bodkhetanushri@gmail.c	Female
7/26/2020 10:26:00	Padhiyar	Nikhil	Naveen	Nikhil.padhiyar05@gmail.	Male
7/26/2020 18:42:06	Khasale	Radha	Rajesh	radhakhasale11997@gm	Female
7/27/2020 8:40:56	Kakade	Vaishnavi	Sunil	vaishnavikakade2077@g	Female
7/27/2020 8:41:35	Kakade	Vaishnavi	Sunil	vaishnavikakade2077@g	Female
7/27/2020 11:10:54	Mahule	Nisha	Dayashankar	nishamahule16@gmail.cc	Female
7/27/2020 16:42:18	Deshmukh	Kunal	Vinod	deshmukhkunal2000@gn	Male
8/8/2020 12:04:38	Zodpe	Priya	Shikant	Priyazodpe@gmail.com	Female
8/9/2020 12:09:16	Tawale	Manasi	Dilip	tawalemanasi@gmail.con	Female
8/10/2020 15:36:48	chaudhari	vipul	nitin	vipulpatil7744@gmail.con	Male
8/10/2020 15:36:49	chaudhari	vipul	nitin	vipulpatil7744@gmail.con	Male
8/30/2020 16:23:11	Khan	Waqaralam	Fakharealam	Soraabaalamk@gmail.co	Male

Curriculum and Time table

Module-1 Role of Medicinal Plants in Human Life				
Week-1	Days	Topic	Speaker	
	Day -1	Introduction and overview of the course	Pro. Bhupendra K. Dorkar	Quiz + Assignment
		History of Indian Folk Medicines	Mr. Avinash N. Darsimbe	Quiz + Assignment
	Day -2	Importance of Plants in Ayurveda : History and Current World	Dr. Tushar B. Wankhede	Quiz + Assignment
	Day -3	Life Style Diseases and Home remedies	Dr. Rekha C. Maggirwar	Quiz + Assignment
	Day -4	Immunity and medicinal Plants	Dr. Dinesh K. Khedkar	Quiz + Assignment
	Day -5	Use of wild vegetables and medicinal plants by Tribal community	Dr. Ganesh B. Hedawoo	Quiz + Assignment
	Day -6	Herbal Technology	Dr. Dilip V. Hande	Quiz + Assignment
	Day -7	Spices as Medicine	Dr. Swati V. Pundkar	Quiz + Assignment

Module-2

Medicinal Plants : Description and Medicinal uses

Week-2	Days	Topic/ Medicinal Plant	Speaker	
	Day –08	*Moringa oleifera*	Pro. Bhupendra K. Dorkar	Quiz + Assignment
	Day -09	*Rauvolfia serpentina*	Dr. Ganesh B. Hedawoo	Quiz + Assignment
	Day -10	*Murraya koenigii*	Dr. Tushar B. Wankhede	Quiz + Assignment
	Day -11	*Zingiber offincinale*	Dr. Dilip V. Hande	Quiz + Assignment
	Day -12	*Aegle marmelos*	Dr. Rekha C. Maggirwar	Quiz + Assignment
	Day -13	*Adhatoda vasica*	Dr. Swati V. Pundkar	Quiz + Assignment
	Day -14	*Gloriosa superba*	Mr. Avinash N. Darsimbe	Quiz + Assignment
Week-3	Day –15	*Tinospora cordifolia*	Pro. Bhupendra K. Dorkar	Quiz + Assignment
	Day -16	*Aloe vera*	Dr. Ganesh B. Hedawoo	Quiz + Assignment
	Day -17	*Hibiscus rosa-sinensis*	Dr. Tushar B. Wankhede	Quiz +

				Assignment
	Day -18	*Chlorophytum tuberosum*	Dr. Dilip V. Hande	Quiz + Assignment
	Day -19	*Mentha piperita*	Dr. Rekha C. Maggirwar	Quiz + Assignment
	Day – 20	*Vitex negundo*	Dr. Swati V. Pundkar	Quiz + Assignment
	Day – 21	*Withania somnifera*	Mr. Avinash N. Darsimbe	Quiz + Assignment

Module-3

Applications and Career Opportunities

Week-4	Days	Topic	Speaker	
	Day –22	Cultivation Practice of Some Medicinal Plants	Dr. Swati V. Pundkar	Quiz + Assignment
	Day -23	Extraction and Grading of Plant products	Dr. Dinesh K. Khedkar	Quiz + Assignment
	Day -24	Decoctions	Dr. Dinesh K. Khedkar	Quiz +

				Assignment
	Day -25	Soups	Dr. Rekha C. Maggirwar	Quiz + Assignment
	Day -26	Some Ayurvedic, Pharma and Herbal beauty products	Dr. Ganesh B. Hedawoo	Quiz + Assignment
	Day -27	Agro Based Industries and Medicinal firms – (Dabur, Patanjali etc)	Dr. Dinesh K. Khedkar	Quiz + Assignment
	Day -28	Current Issues and Research Associated with Medicinal Plants	Mr. Avinash N. Darsimbe	Quiz + Assignment

7. **Duration of the course :** The duration of the course is 1 month (4 week) and day wise lectures will be uploaded on college website and You Tube also.

8. **Credits : 3**

9. **Course Outline**

Module-1

Role of Medicinal Plants in Human Life

- Introduction and overview of the course
- History of Indian Folk Medicines
- Importance of Plants in Ayurveda : History and Current World
- Life Style Diseases and Home remedies
- Immunity and medicinal Plants
- Use of wild vegetables and medicinal plants by Tribal community
- Herbal Technology
- Types of Medicinal Plants (Vegetables, Fruits, Spices, Grasses etc.)

Module-2

Medicinal Plants : Description and Medicinal uses

- *Moringa oleifera*
- *Rauvolfia serpentine*
- *Murraya koenigii*
- *Zingiber offincinale*
- *Aegle marmelos*
- *Adhatoda vasica*
- *Gloriosa superba*
- *Tinospora cordifolia*
- *Aloe vera*
- *Hibiscus rosa-sinensis*

- *Chlorophytum tuberosum*
- *Mentha piperita*
- *Vitex negundo*
- *Withania somnifera*

Module-3

Applications and Career Opportunities

- Cultivation Practice of Some Medicinal Plants
- Extraction and Grading of Plant products
- Decoctions
- Soups
- Some Ayurvedic, Pharma and Herbal beauty products
- Agro Based Industries and Medicinal firms – (Dabur, Patanjali etc)
- Current Issues and Research Associated with Medicinal Plants

10. Program Outcome :

At the end of this course the student will able to identify the medicinal plants, know about their medicinal uses and career opportunities in the field of herbal medicines.

Assessment

Email Address	Student Name	Grading
ishwaribure@gmail.com	Ishwari yogiraj bure	Satisfactory(B)
pranalishekokar1998@gmail.com	Ku. Pranali Vilasrao Shekokar	Excellent(A)
ishwarilede2001@gmail.com	Ishwari	Good(B+)
deshmukhkunal2000@gmail.com	Kunal vinod Deshmukh	Excellent(A)
barbudeshreya756@gmail.com	Shreya Vijay Barbude	Excellent(A)
vaidyarutuja03@gmail.com	Rutuja Shivshankar vaidya	Excellent(A)
rucha.pimparkar@gmail.com	Rucha Raghvendra Pimparkar	Outstanding(A+)
kittujain576@gmail.com	Kalyani sanjay walli	Excellent(A)
kapuskarrohit@gmail.com	Rohit Pareshwar Kapuskar.	Excellent(A)
bioinfo.gauri@gmail.com	Gauri sewakram korde	Excellent(A)
kaushalkale1512@gmail.com	Kaushal sunil kale	Outstanding(A+)
sayyedyasmeenali23@gmail.com	Sayyed Yasmeen Ali	Outstanding(A+)
mahimaitkikar123@gmail.com	Miss Mahima Anantarao Itkikar	Excellent(A)
vmitkari2019@gmail.com	Vishal arjun mitkari	Outstanding(A+)
ishwaribure@gmail.com	Ishwari yogiraj bure	Satisfactory(B)
mansimudliar11@gmail.com	Mansi Rajkumar Mudliar	Excellent(A)
prathameshshevatkar2017@gmail.com	Prathamesh Sudhir Shevatkar	Outstanding(A+)
mundreashwamegh@gmail.com	Ashwamegh C. Mundre	Outstanding(A+)
vaishnavibh57@gmail.com	Vaishnavi Rajendra Bhond	Excellent(A)
wankhaderenu1994@gmail.com	Renuka sunilrao wankhade	Good(B+)
priyankakakad4694@gmail.com	Priyanka kakad	Excellent(A)
nishamahule16@gmail.com	Nisha Dayashankar Mahule	Outstanding(A+)
sakshikhande5@gmail.com	Sakshi Narendra Khande	Excellent(A)
shreyannkhalokar01@gmail.com	Shreya Khalokar	Outstanding(A+)
samikshachawale550@gmail.com	Samiksha Dipak Chawale	Excellent(A)
reshmachavhan111@gmail.com	Reshma sunil chavhan	Excellent(A)
vaishnaviakolkar1999@gmail.com	Vaishnavi Ramdas Akolkar	Excellent(A)
sakshipise2000@gmail.com	Sakshi Mahendra Pise	Excellent(A)
abdulmaaz2016@gmail.com	ABDUL MAAZ ABDUL SAMAD	Good(B+)
khondeaditi@56gmail.com	Aditi	Satisfactory(B)
ranimate16@gmail.com	Rani jaykisanrao mate	Excellent(A)

Email Address	Student Name	Grading
kanakbakhade9@gmail.com	KANAK SANJAY BAKHADE	Outstanding(A+)
amishapande3@gmail.com	Amisha Aniruddha Pande	Excellent(A)
gayatriholey8@gmail.com	Gayatri Diliprao Holey	Outstanding(A+)
nikitazade09@gmail.com	Nikita Anilrao zade	Good(B+)
pranjaliwajge2@gmail.com	Pranjali wajge	Excellent(A)
maithilikhandokar0109@gmail.com	Maithili santosh khandokar	Outstanding(A+)
sonaldadhore141@gmail.com	Shabnam B.Dadhore	Excellent(A)
tawalemanasi@gmail.com	Manasi Dilip Tawale	Excellent(A)
zarakhan0789@gmail.com	Zara khan	Satisfactory(B)
chanchal24belsare@gmail.com	Chanchal vilas belsare	Excellent(A)
bardesakshi483@gmail.com	Sakshi Gajanan Barde	Excellent(A)
kalyanikhalokar@gmail.com	Kalyani satish khalokar	Excellent(A)
sakshibarve3@gmail.com	Sakshi Omprakash Barve	Excellent(A)
simraningle29@gmail.com	Simran babulal ingle	Excellent(A)
divyanimuratkar123@gmail.com	Divyani sunil muratkar	Excellent(A)
rutikadiware18@gmail.com	Rutika Pramod Diware	Excellent(A)
pratikshathakare6@gmail.com	Pratiksha Thakare	Excellent(A)
apurva1080wan@gmail.com	Apurva P. Wankhade	Excellent(A)
rasikakakde147@gmail.com	Rasika kakde	Satisfactory(B)
kamalikabagade333@gmail.com	Kamalika Sharad Bagade	Excellent(A)
zabduls51@gmail.com	Yasmeen Fatima Abdul Samad	Good(B+)
Nikitamadavi38@gmail.com	Nikita sheshrao madavi	Excellent(A)
lahaneshweta1998@gmail.com	shweta nandkishor lahane	Excellent(A)
nikhil.padhiyar05@gmail.com	Nikhil Padhiyar	Good(B+)
gargibakale@gmail.com	Gayatri Rajiv Bakale	Excellent(A)
manjirideotale@gmail.com	Miss Manjiri Umeshrao Deotale	Excellent(A)
sawarkargauri51@gmail.com	Gauri Sudhirpant Sawarkar	Outstanding(A+)
abhayhonade46@gmail.com	Abhay Gajananrao Honade	Good(B+)
shreyahelode123@gmail.com	Shreya Amrut Helode	Outstanding(A+)
kalyanikhalokar@gmail.com	Kalyani satish khalokar	Outstanding(A+)

Email Address	Student Name	Grading
zadetanvi2@gmail.com	Tanavi zade	Good(B+)
renukaharne12@gmail.com	renuka Gajanan Harne	Good(B+)
vaishnaviga1de97@gmail.com	Vaishnavi Gawande	Outstanding(A+)
ramshakhan1903@gmail.com	Ramsha Khan	Outstanding(A+)
kalyanikhalokar@gmail.com	Kalyani satish khalokar	Excellent(A)
sakshigawande1419@gmail.com	Sakshi Gajanan Gawande	Excellent(A)
babykale72@gmail.com	Nikita kale	Good(B+)
payaljadhav906@gmail.com	Payal Vijay Jadhav	Good(B+)
manishakadu35@gmail.com	Ku.manisha Rajendra kadu	Excellent(A)
sakshimalik233@gmail.com	Sakshi Mahendra Malik	Good(B+)
nileemalambe1996@gmail.com	Nileema Rameshrao Lambe	Excellent(A)
ankusande2805@gmail.com	Ankita dipakrao sande	Excellent(A)
yaminisawarkar5@gmail.com	Yamini Shyamsundar Sawarkar	Excellent(A)
Vikeshgathe1234@gmail.com	Vikesh Ramprasad Gathe	Excellent(A)
sakshimalik233@gmail.com	Sakshi Mahendra Malik	Excellent(A)
nileemalambe1996@gmail.com	Ku Nileema Rameshrao Lambe msc	Outstanding(A+)
yaminisawarkar5@gmail.com	Yamini Shyamsundar Sawarkar	Excellent(A)
ankusande2805@gmail.com	Ankita dipakrao sande	Outstanding(A+)
nileemalambe1996@gmail.com	Ku Nileema Rameshrao Lambe	Outstanding(A+)
ankusande2805@gmail.com	Ankita dipakrao sande	Outstanding(A+)
taydepranjali61@gmail.com	Pranjali Rajendra Tayde	Excellent(A)
manishakadu35@gmail.com	Manisha Rajendra Kadu	Excellent(A)
shivaniparise7@gmail.com	Vrushali Balu Parise	Excellent(A)
supriyaolo15@gmail.com	Supriya Ramhari Olokar	Excellent(A)
gayatrimmankar@gmail.com	Gayatri Manohar Mankar	Excellent(A)
tejaswinigaidhane24@gmail.com	Tejaswini K. Gaidhane	Excellent(A)
sanikarakhe@gmail.com	Sanika Devendra Rakhe	Excellent(A)
rutikadiware18@gmail.com	Rutika Pramod Diware	Outstanding(A+)
lalita@gmail.com	Lalita	Satisfactory(B)
rutikadiware18@gmail.com	Rutika Pramod Diware	Outstanding(A+)

Email Address	Student Name	Grading
lalita@gmail.com	Lalita	Satisfactory(B)
vaishnavimogarkar5@gmail.com	Vaishnavi bhalchandra mogarkar	Outstanding(A+)
ritika.londe01@gmail.com	Ritika Sanjay Londe	Excellent(A)
pallavitayde1997@gmail.com	Pallavi Purushottam Tayde	Excellent(A)
lkvpawar@gmail.com	LKV Pawar	Excellent(A)
simraningle26@gmail.com	Simran babulal ingle	Excellent(A)
pallavitayde1997@gmail.com	Pallavi Purushottam Tayde	Excellent(A)
bioinfo.shivanigiri@gmail.com	Miss Shivani Chandrashekhar Giri	Excellent(A)
aishwarya.tayade2018@gmail.com	Aishwarya	Satisfactory(B)
ingalekalyani086@gmail.com	Kalyani Sudhir Ingale	Outstanding(A+)
aishwarya.tayade2018@gmail.com	Aishwarya	Excellent(A)
aishwarya.tayade2018@gmail.com	Aishwarya Tayade	Excellent(A)
nikitazade09@gmail.com	Nikita Anilrao zade	Excellent(A)
anitapadhen2015@gmail.com	Anita Deoba Patil	Outstanding(A+)
anitapadhen2015@gmail.com	Anita Deoba Patil	Outstanding(A+)
anitapadhen2015@gmail.com	Anita Deoba Patil	Outstanding(A+)
vaishnaviga1de97@gmail.com	Vaishnavi	Excellent(A)
taywadeankita@gmail.com	Ankita A Taywade	Excellent(A)
nidhilende98@gmail.com	Nidhi lende	Good(B+)

Summary Report and Course Outcomes

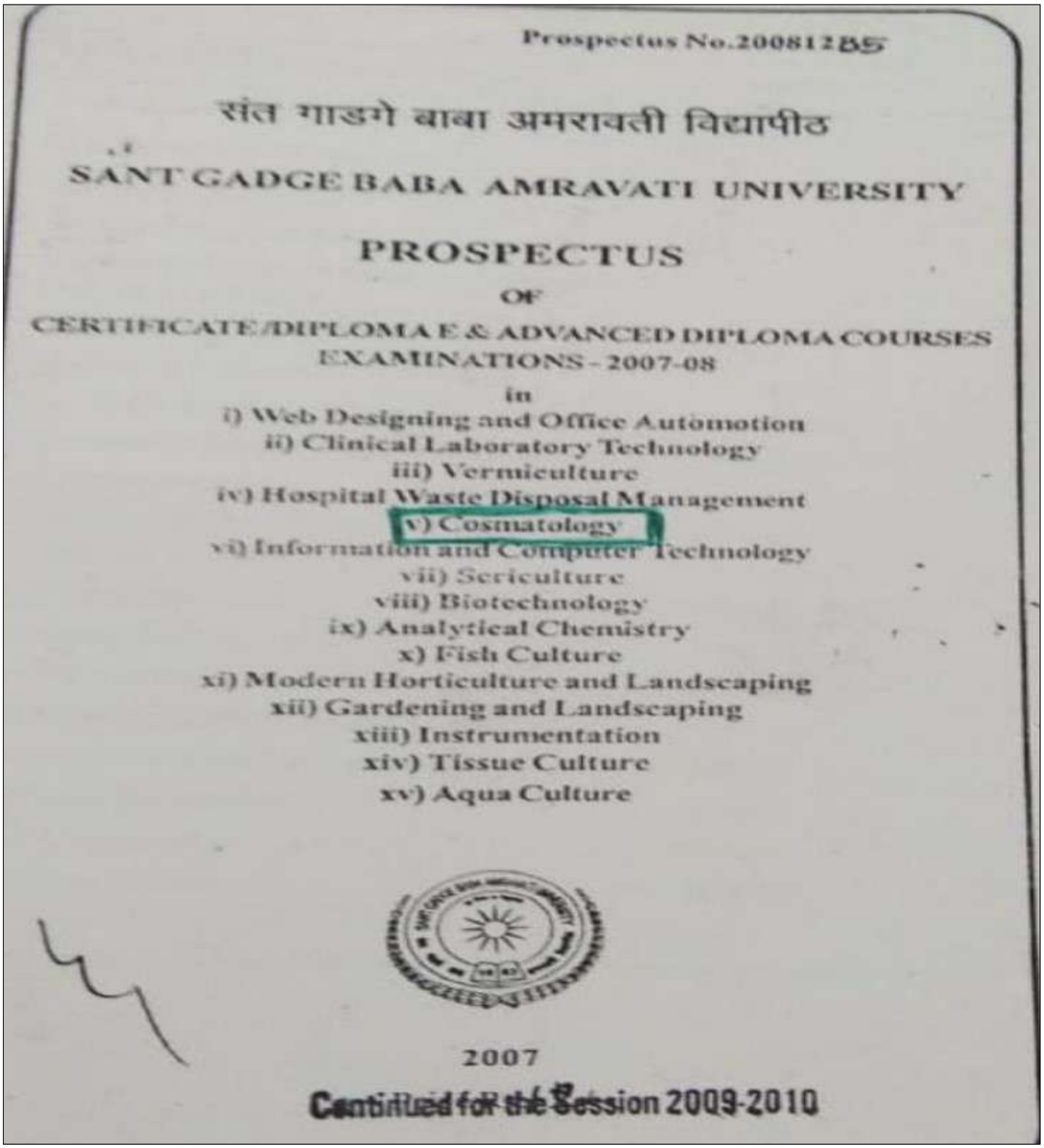
Medicinal Plants: Traditional Uses and Career Opportunities (MPTUCO)

Summary Report and Course Outcomes:

1. The students understand the novel properties of medicinal plants
2. Students become expert in identifying the medicinal plants available in their locality, irrespective of the field to which he/she belongs.
3. Now students can identify the most common and useful medicinal plants.
4. Students become confidence in working with highly beneficial plants.
5. Students become aware of the power of the ancient traditional folk medicines.
6. Students understand the proper method of harvesting the plants while retaining their medicinal properties.
7. Students can conserve the medicinal plants for future use.
8. Students can build career in the field of medicinal plants.
9. Students become aware of career opportunities through the dissemination of the correct knowledge of the medicinal plants.
10. Students understand about the right use of medicinal plants for their health and wellbeing

Dept. of Chemistry (COC-Cosmetology/ Certificate)

Name and Duration of the Program



Prospectus No.20081285

संत गाडगे बाबा अमरावती विद्यापीठ

SANT GADGE BABA AMRAVATI UNIVERSITY

PROSPECTUS

OF

CERTIFICATE/DIPLOMA E & ADVANCED DIPLOMA COURSES
EXAMINATIONS - 2007-08

in

i) Web Designing and Office Automotion
ii) Clinical Laboratory Technology
iii) Vermiculture
iv) Hospital Waste Disposal Management
v) Cosmatology
vi) Information and Computer Technology
vii) Sericulture
viii) Biotechnology
ix) Analytical Chemistry
x) Fish Culture
xi) Modern Horticulture and Landscaping
xii) Gardening and Landscaping
xiii) Instrumentation
xiv) Tissue Culture
xv) Aqua Culture

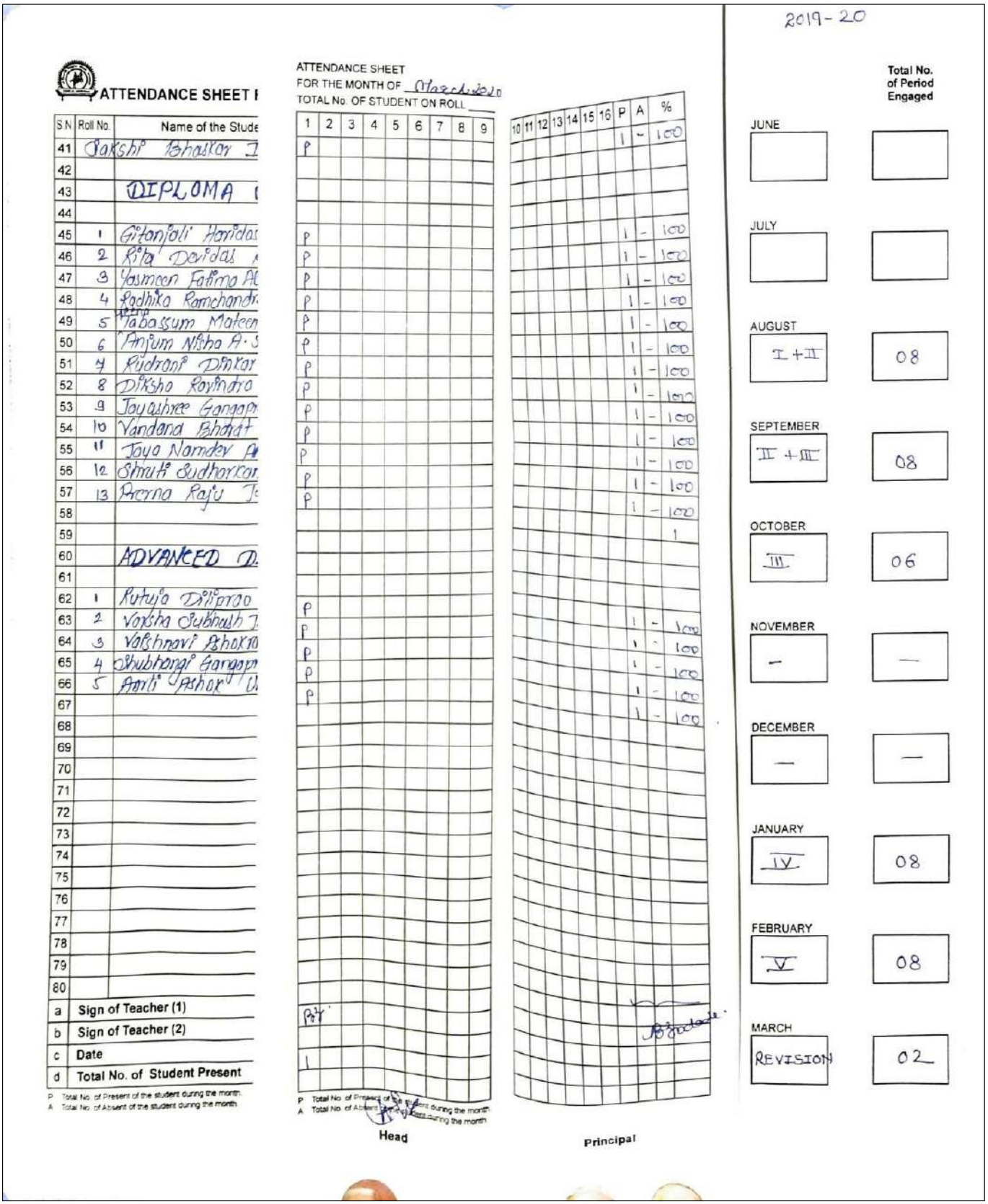
2007

Continued for the Session 2009-2010

List of the Students Enrolled and Attendance

LIST OF STUDENTS ADMITTED

Sr.NO	Name of the Students
1	SabahatFirdausAminuddin Syed
2	ApurvaPraihadSatimeshram
3	Ishika Ajay Awankar
4	Gauri RavindraNimbhorkar
5	SakshiMahendra Malik
6	ChanchalVilasraoBelsare
7	Payal Vijay Jadhav
8	Manali Vinod Deshmukh
9	Samiksha Deepak Chawale
10	AkshadaNanandkishoreDharme
11	ManasiVaibhav Gore
12	Nikita GovindraoMohadik
13	MahimaAnantraoItkikar
14	Priyanka SatishraoIngole
15	DipmalaRamdasBhagat
16	AkshadaDnyaneshwarWadekar
17	Nikita PramodBijwe
18	RituVijayraoPundkar
19	ShubhangiShridhar Kale
20	Nikita VilasraoMasodkar
21	MayuriGajananIngole
22	NilimaRamchandrakhandare
23	Bharti Gangaprasad Jaiswal
24	Manjiri Pravin Wankhade
25	DiptiUmarlal Sharma
26	Shamali Vijay Sawarkar
27	PratikshaSubashBorkhade
28	VishaliRamdasTayade
29	DeepikaArunraoDeshmukh
30	AshviniPandharinathKalne
31	SarikaPrafulraoGangorkar
32	MamtaMurlidharKadu
33	AkankshaAvadhutGondane
34	BhairaviRavindraPardhi
35	Kalyani Narayan Khond
36	TanviDiliprаoDhawan
37	Krutika Prashant Gudadhe
38	KhushiSudhirZatale
39	DipaliRameshiPulkar
40	Manisha GangadharGajbhiye
41	SakshiBhaskarIngole



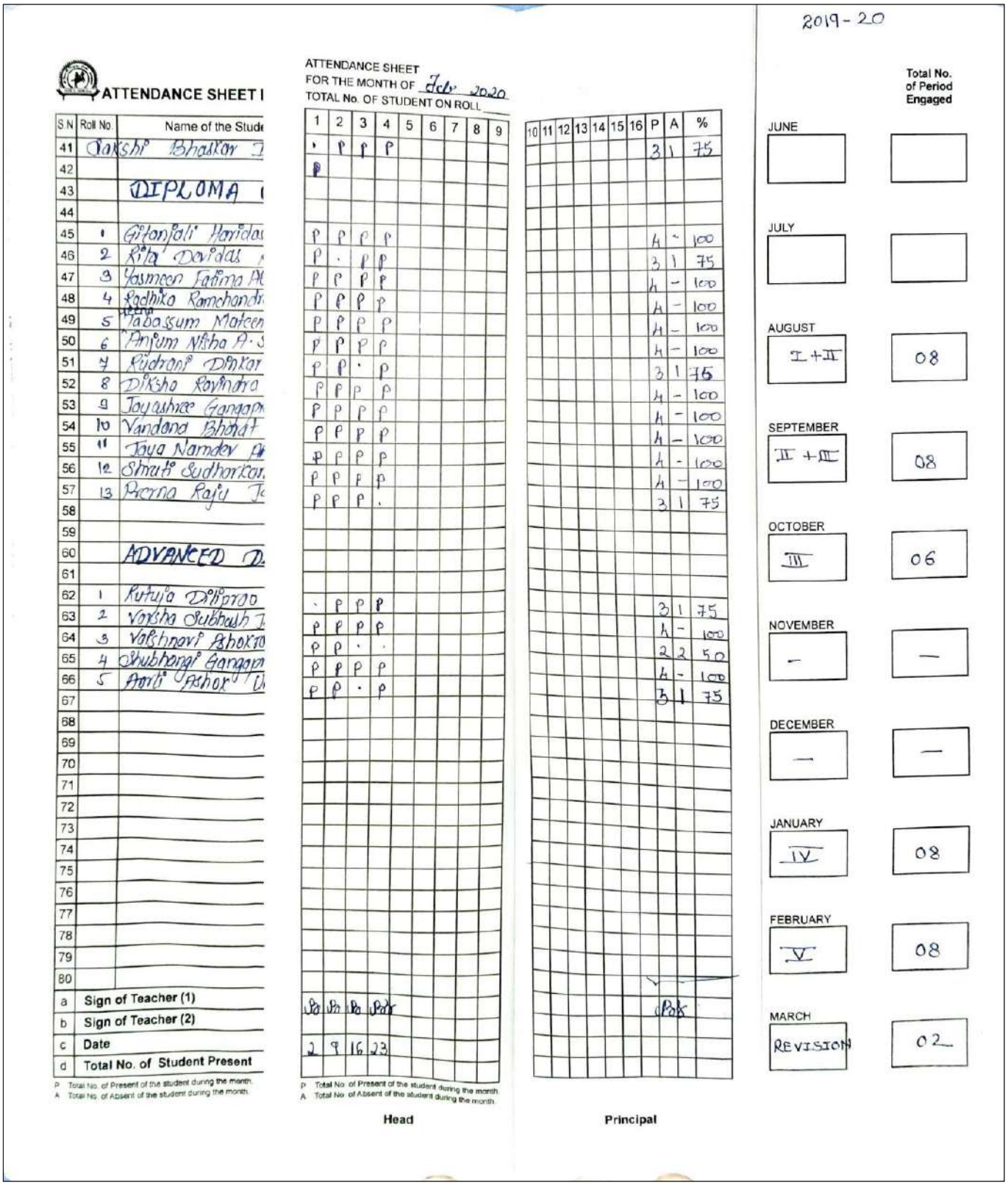
ATTENDANCE SHEET

S.N	Roll No.	Name of the Stude
41		Sakshi Bhaskar J
42		
43		DIPLOMA
44		
45	1	Gitanjali Haridas
46	2	Rita Devidas
47	3	Yasmeen Fatima A
48	4	Radhika Ramchandr
49	5	Tabassum Mateen
50	6	Anjum Nisha A. S
51	7	Rudrani Dinkar
52	8	Diksha Ravindra
53	9	Jayashree Gangap
54	10	Vandana Bharat
55	11	Jaya Namdev A
56	12	Shruti Sudhirkar
57	13	Aparna Raju J
58		
59		
60		ADVANCED D
61		
62	1	Rutuja Dilipraо
63	2	Varsha Subhash J
64	3	Vaishnavi Ashok
65	4	Shubhangi Gangap
66	5	Aarti Ashok
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79		
80		
a	Sign of Teacher (1)	
b	Sign of Teacher (2)	
c	Date	
d	Total No. of Student Present	

P Total No. of Present of the student during the month
A Total No. of Absent of the student during the month

ATTENDANCE SHEET
FOR THE MONTH OF March 2020
TOTAL No. OF STUDENT ON ROLL

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	P	A	%
P																1	-	100
P																1	-	100
P																1	-	100
P																1	-	100
P																1	-	100
P																1	-	100
P																1	-	100
P																1	-	100
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P																1	-	100
P																1	-	100
P																1	-	100
P																1	-	100
P																		
P																1	-	100
P																1	-	100
P																1	-	100
P																1	-	100
																1	-	100



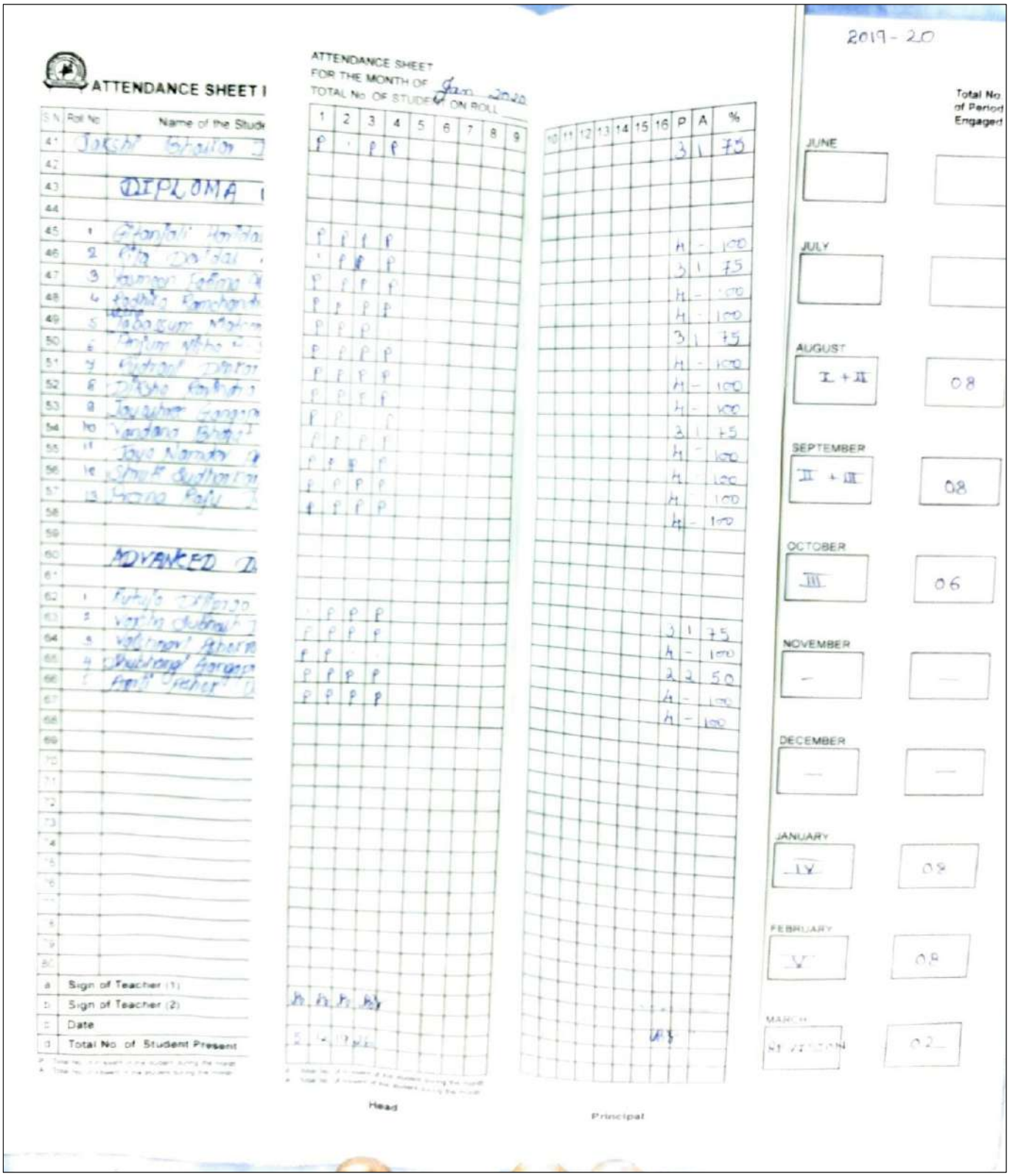
ATTENDANCE SHEET I

S.N	Roll No.	Name of the Stude
41		Dakshi Bhaskar T
42		
43		DIPLOMA
44		
45	1	Gitanjali Haridas
46	2	Rita Devidas
47	3	Yasmeen Fatima Al
48	4	Radhika Ramchandr
49	5	Tabassum Mateen
50	6	Anjum Nisha A. S
51	7	Rudrani Dinkar
52	8	Diksha Raghunath
53	9	Jayashree Gangap
54	10	Vandana Bhonsl
55	11	Jaya Namdev P
56	12	Shruti Sudhakar
57	13	Reena Raju J
58		
59		
60		ADVANCED D
61		
62	1	Rutuja Dilipraо
63	2	Varsha Subhash J
64	3	Vaishnavi Ashok
65	4	Shubhangi Gangap
66	5	Aarti Ashok U
67		
68		
69		
70		
71		
72		
73		
74		
75		
76		
77		
78		
79		
80		
a	Sign of Teacher (1)	
b	Sign of Teacher (2)	
c	Date	
d	Total No. of Student Present	

P Total No. of Present of the student during the month.
A Total No. of Absent of the student during the month.

ATTENDANCE SHEET
FOR THE MONTH OF Feb 2020
TOTAL No. OF STUDENT ON ROLL

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	P	A	%
P	P	P	P													3	1	75
P																		
P	P	P	P													A	-	100
P	.	P	P													3	1	75
P	P	P	P													A	-	100
P	P	P	P													A	-	100
P	P	P	P													A	-	100
P	P	P	P													A	-	100
P	P	.	P													A	-	100
P	P	P	P													3	1	75
P	P	P	P													A	-	100
P	P	P	P													A	-	100
P	P	P	P													A	-	100
P	P	P	P													A	-	100
P	P	P	P													A	-	100
P	P	P	.													3	1	75
.	P	P	P													3	1	75
P	P	P	P													A	-	100
P	P	.	.													2	2	50
P	P	P	P													A	-	100
P	P	.	P													3	1	75

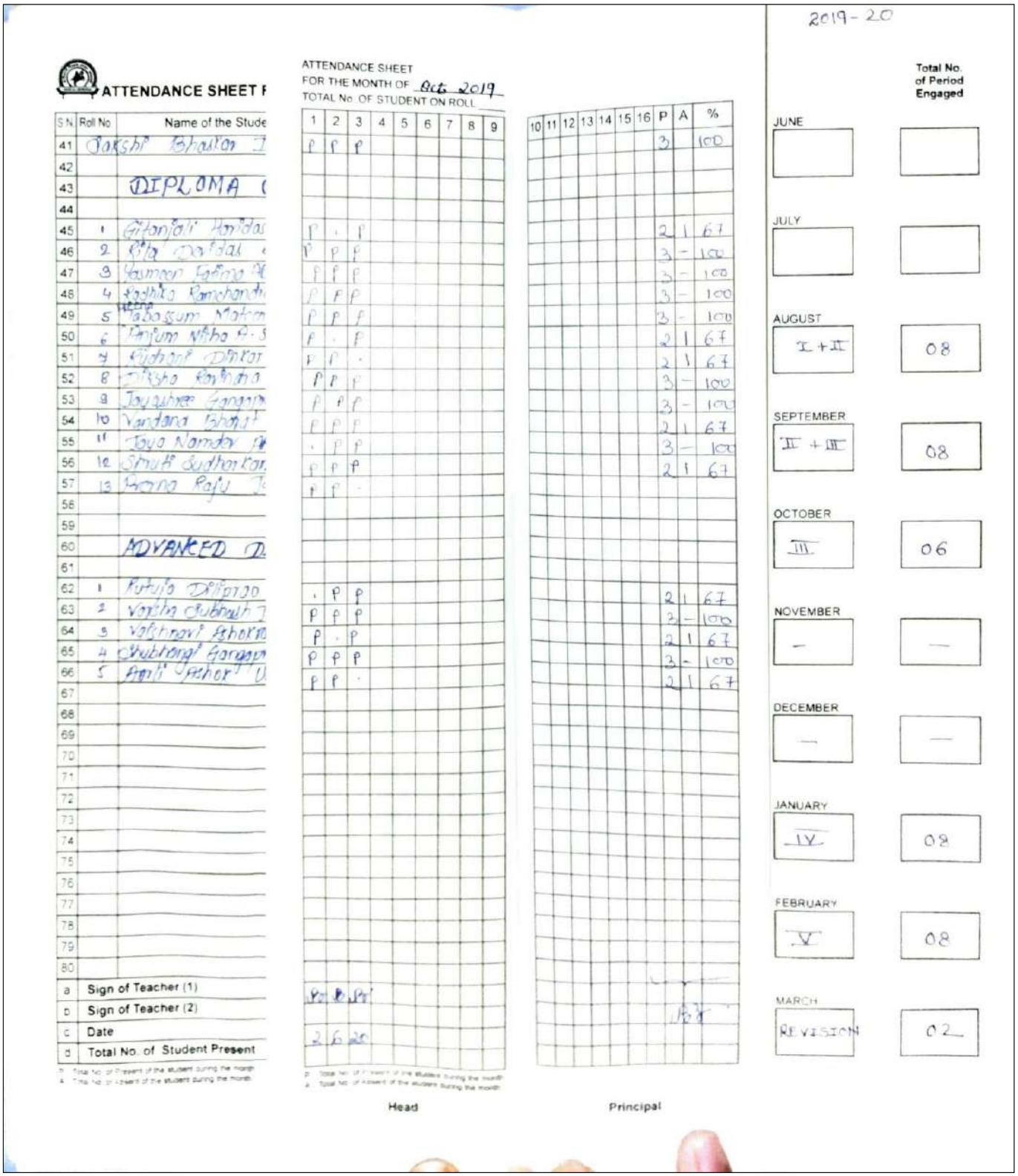


ATTENDANCE SHEET I

S.N.	Roll No	Name of the Stude
41		Jakshi Ashutosh J
42		
43		DIPLOMA
44		
45	1	Chandoli Harshal
46	2	Ritu Dattatray
47	3	Kamble Sachin K
48	4	Kadhle Ramchandra
49	5	Kadam Mahesh
50	6	Kanjun Vitthal
51	7	Kuthal Dattatray
52	8	Dhoke Kashinath
53	9	Jayshree Gangadhar
54	10	Vandana Bhagwat
55	11	Jaya Namdeo
56	12	Shruti Sudhakar
57	13	Komal Raju
58		
59		
60		ADVANCED D
61		
62	1	Rutuja Tatyaso
63	2	Vaishnavi Shrikrishna
64	3	Vaishnavi Ashwin
65	4	Shubhangi Gangadhar
66	5	Aarti Sushil
67		
68		
69		
70		
71		
72		
73		
74		
75		
76		
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80		
a	Sign of Teacher (1)	
b	Sign of Teacher (2)	
c	Date	
d	Total No of Student Present	

ATTENDANCE SHEET
FOR THE MONTH OF Jan. 2020
TOTAL No OF STUDENT ON ROLL

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	P	A	%
P		P	P													3	1	75
P	P	P	P													H	-	100
	P	P	P													3	1	75
P	P	P	P													H	-	100
P	P	P	P													H	-	100
P	P	P														3	1	75
P	P	P	P													H	-	100
P	P	P	P													H	-	100
P	P	P	P													H	-	100
P	P															3	1	75
	P	P	P													H	-	100
P	P	P	P													H	-	100
P	P	P	P													H	-	100
																H	-	100
	P	P	P															
P	P	P	P													3	1	75
P	P															H	-	100
P	P	P	P													2	2	50
P	P	P	P													H	-	100
																H	-	100



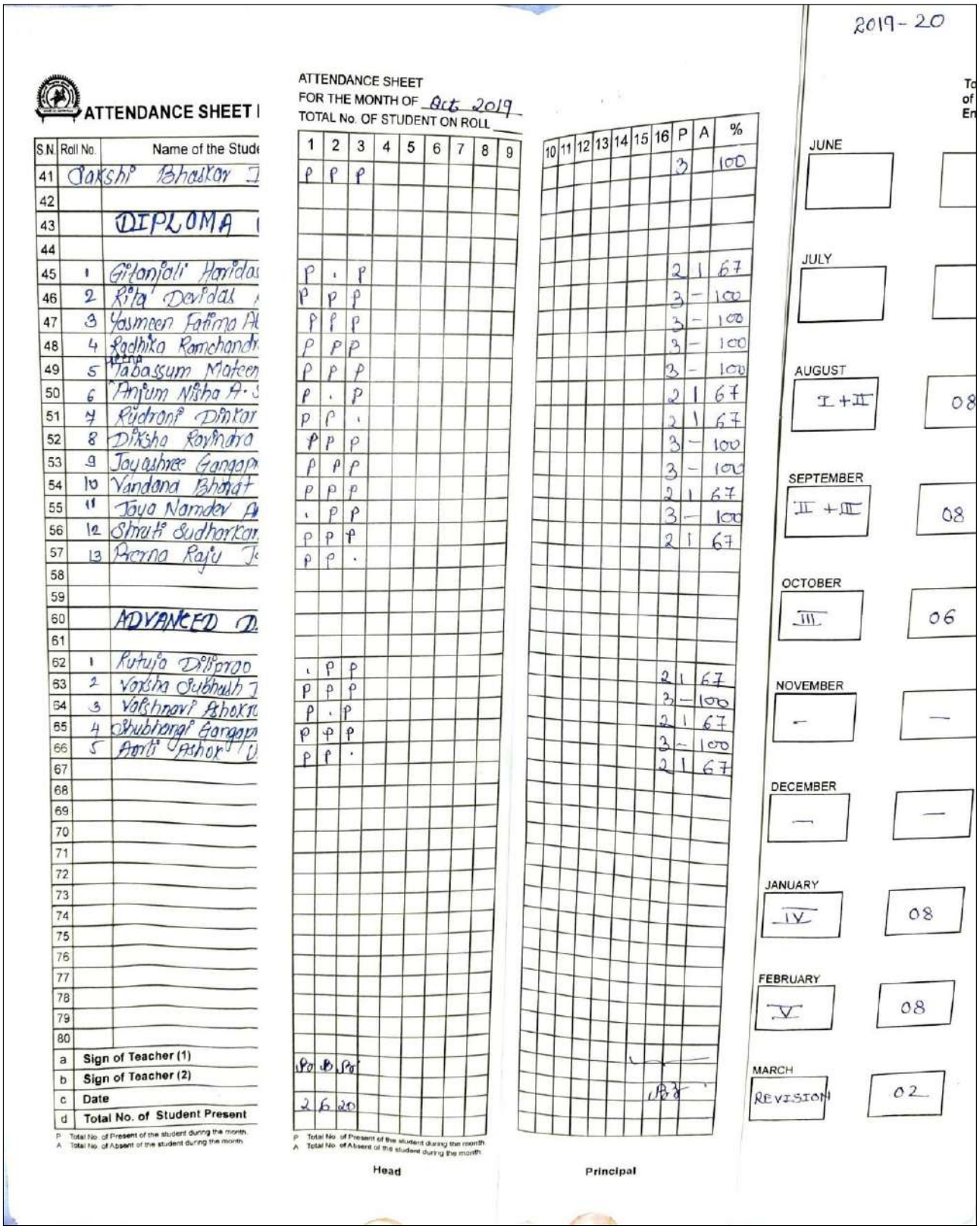
ATTENDANCE SHEET F

S.N.	Roll No.	Name of the Stude
41		Jakshi Bhaskar J
42		
43		DIPLOMA (
44		
45	1	Gitanjali Haridas
46	2	Rita Gopal
47	3	Yamuna Tukaram
48	4	Radhika Ramchandra
49	5	Tabassum Matem
50	6	Anjum Nitha R. S
51	7	Siddhant Dinkar
52	8	Diksha Kanhaiya
53	9	Jayashree Gangad
54	10	Vandana Bhagat
55	11	Jaya Namdev
56	12	Shruti Sudhakar
57	13	Meena Raju
58		
59		
60		ADVANCED D
61		
62	1	Rutuja Diliprao
63	2	Varsha Subhash
64	3	Vaishnavi Bhorkar
65	4	Shubhangi Gangad
66	5	Ankit Jashor
67		
68		
69		
70		
71		
72		
73		
74		
75		
76		
77		
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79		
80		
a		Sign of Teacher (1)
b		Sign of Teacher (2)
c		Date
d		Total No. of Student Present

P : Total No. of Present of the student during the month
A : Total No. of Absent of the student during the month

ATTENDANCE SHEET
FOR THE MONTH OF Oct. 2019
TOTAL No. OF STUDENT ON ROLL

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	P	A	%
P	P	P														3	-	100
P	.	P														2	1	67
P	P	P														3	-	100
P	P	P														3	-	100
P	P	P														3	-	100
P	P	P														3	-	100
P	.	P														2	1	67
P	P	.														2	1	67
P	P	P														3	-	100
P	P	P														3	-	100
P	P	P														2	1	67
.	P	P														3	-	100
P	P	P														2	1	67
P	P	.																
.	P	P														2	1	67
P	P	P														3	-	100
P	.	P														2	1	67
P	P	P														3	-	100
P	P	.														2	1	67



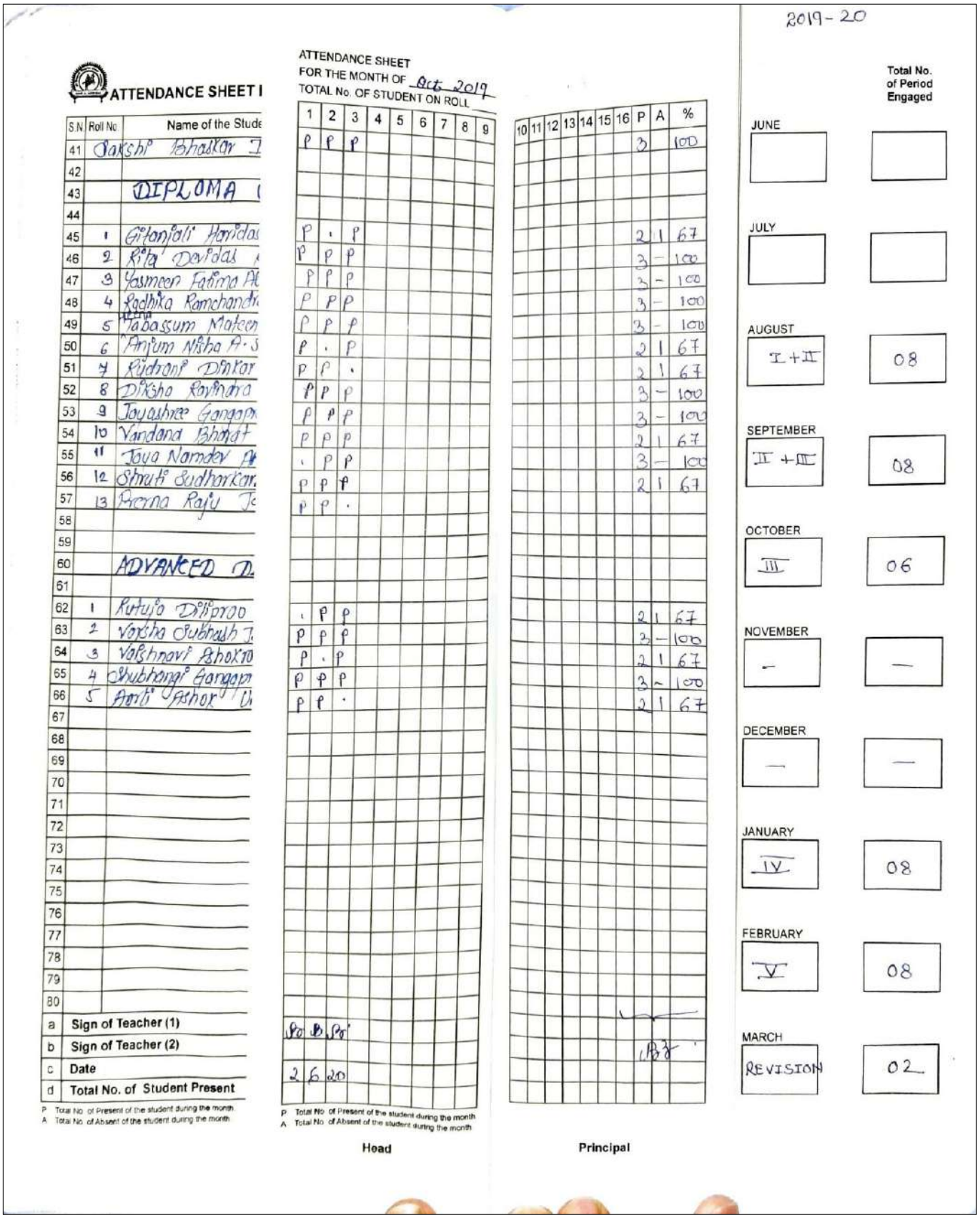
ATTENDANCE SHEET

S.N.	Roll No.	Name of the Stude
41		Dakshi Bhaskar J
42		
43		DIPLOMA
44		
45	1	Gitanjali Haridas
46	2	Rita Devidas
47	3	Yasmeen Fatima A
48	4	Radhika Ramchandr
49	5	Tabassum Mateen
50	6	Anjum Nisha A.
51	7	Rudroni Dinkar
52	8	Diksha Kavinara
53	9	Jayashree Gangap
54	10	Vandana Bhagat
55	11	Jaya Namdev A
56	12	Shruti Sudhakar
57	13	Prerna Raju J
58		
59		
60		ADVANCED D
61		
62	1	Rutuja Dilipraо
63	2	Varsha Subhash J
64	3	Vaishnavi Ashok
65	4	Shubhangi Gangap
66	5	Aarti Ashok
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77		
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79		
80		
a	Sign of Teacher (1)	
b	Sign of Teacher (2)	
c	Date	
d	Total No. of Student Present	

P Total No. of Present of the student during the month.
A Total No. of Absent of the student during the month.

ATTENDANCE SHEET
FOR THE MONTH OF Oct 2019
TOTAL No. OF STUDENT ON ROLL

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	P	A	%
P	P	P														3		100
P	.	P														2	1	67
P	P	P														3	-	100
P	P	P														3	-	100
P	P	P														3	-	100
P	P	P														3	-	100
P	.	P														2	1	67
P	P	.														2	1	67
P	P	P														3	-	100
P	P	P														3	-	100
P	P	P														2	1	67
.	P	P														3	-	100
P	P	P														2	1	67
P	P	.																
.	P	P														2	1	67
P	P	P														3	-	100
P	.	P														2	1	67
P	P	P														3	-	100
P	P	.														2	1	67



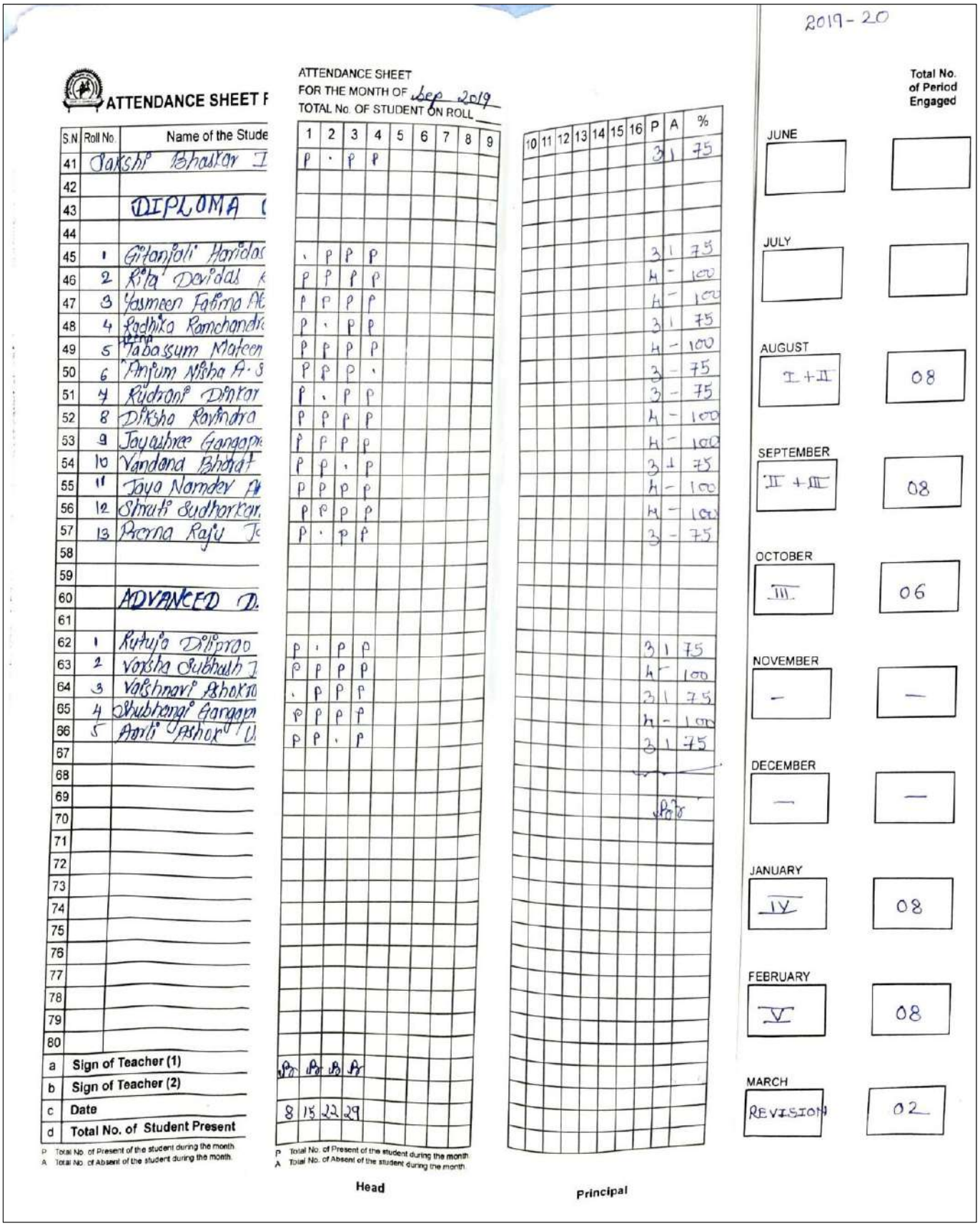
ATTENDANCE SHEET I

S.N.	Roll No.	Name of the Stude
41		Sakshi Bhaskar J
42		
43		DIPLOMA (
44		
45	1	Gitanjali Haridas
46	2	Rita Devidas
47	3	Yasmeen Fatima Ab
48	4	Radhika Ramchandr
49	5	Habassum Mateen
50	6	Anjum Nisha A. S
51	7	Rudrani Dinkar
52	8	Diksha Ravindra
53	9	Jayashree Gangapr
54	10	Vandana Bharat
55	11	Jaya Namdev A
56	12	Shruti Sudhirkar
57	13	Prerna Raju J
58		
59		
60		ADVANCED D
61		
62	1	Rutuja Dipprao
63	2	Varsha Subhash J
64	3	Vaishnavi Ashok
65	4	Shubhangi Gangapr
66	5	Aarti Ashok U
67		
68		
69		
70		
71		
72		
73		
74		
75		
76		
77		
78		
79		
80		
a	Sign of Teacher (1)	
b	Sign of Teacher (2)	
c	Date	
d	Total No. of Student Present	

P Total No. of Present of the student during the month
A Total No. of Absent of the student during the month

ATTENDANCE SHEET
FOR THE MONTH OF Oct 2019
TOTAL No. OF STUDENT ON ROLL

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	P	A	%
P	P	P														3		100
P	.	P														2	1	67
P	P	P														3	-	100
P	P	P														3	-	100
P	P	P														3	-	100
P	P	P														3	-	100
P	.	P														2	1	67
P	P	.														2	1	67
P	P	P														3	-	100
P	P	P														3	-	100
P	P	P														2	1	67
.	P	P														3	-	100
P	P	P														2	1	67
P	P	.																
.	P	P														2	1	67
P	P	P														3	-	100
P	.	P														2	1	67
P	P	P														3	-	100
P	P	.														2	1	67



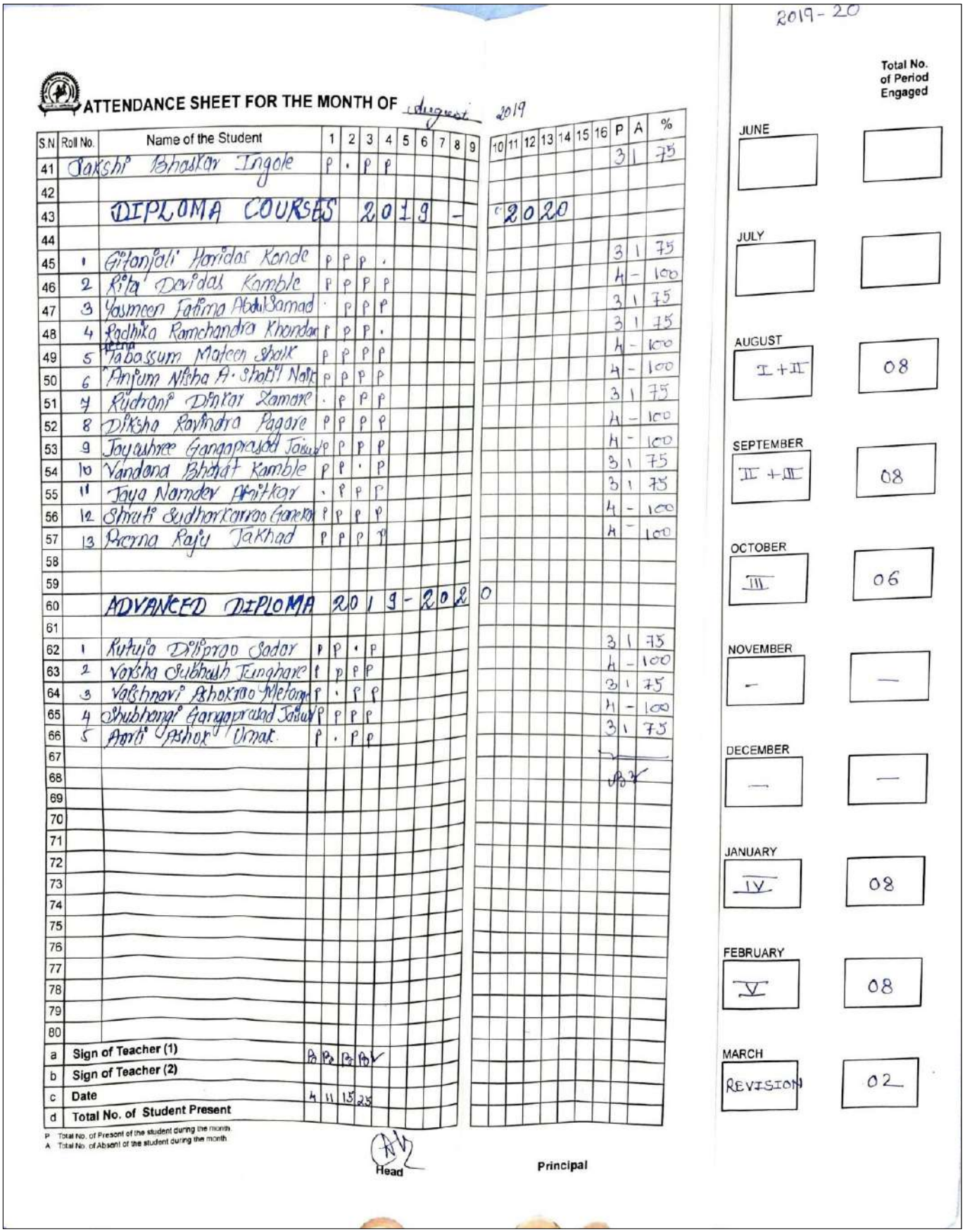
ATTENDANCE SHEET F

S.N	Roll No.	Name of the Stude
41		Sakshi Bhaskar I
42		
43		DIPLOMA (
44		
45	1	Gitanjali Haridas
46	2	Rita Devidas K
47	3	Yasmeen Fatima Ak
48	4	Radhika Ramchandra
49	5	Tabassum Mateen
50	6	Anjum Nisha A. S
51	7	Rudrani Dinkar
52	8	Diksha Ravindra
53	9	Jayashree Gangapr
54	10	Vandana Bhatat
55	11	Jaya Namdev A
56	12	Shruti Sudhorkar
57	13	Prerna Raju J
58		
59		
60		ADVANCED D
61		
62	1	Rutuja Dilipraoo
63	2	Varsha Subhash J
64	3	Vaishnavi Bhoka
65	4	Shubhangi Gargam
66	5	Aarti Ashok U
67		
68		
69		
70		
71		
72		
73		
74		
75		
76		
77		
78		
79		
80		
a	Sign of Teacher (1)	
b	Sign of Teacher (2)	
c	Date	
d	Total No. of Student Present	

P Total No. of Present of the student during the month.
A Total No. of Absent of the student during the month.

ATTENDANCE SHEET
FOR THE MONTH OF Sep 2019
TOTAL No. OF STUDENT ON ROLL

1	2	3	4	5	6	7	8	9
P	·	P	P					
·	P	P	P					
P	P	P	P					
P	P	P	P					
P	·	P	P					
P	P	P	P					
P	P	P	·					
P	·	P	P					
P	P	P	P					
P	P	P	P					
P	P	·	P					
P	P	P	P					
P	P	P	P					
P	·	P	P					
P	·	P	P					
P	P	P	P					
·	P	P	P					
P	P	P	P					
P	P	·	P					



2019-20

ATTENDANCE SHEET FOR THE MONTH OF August 2019

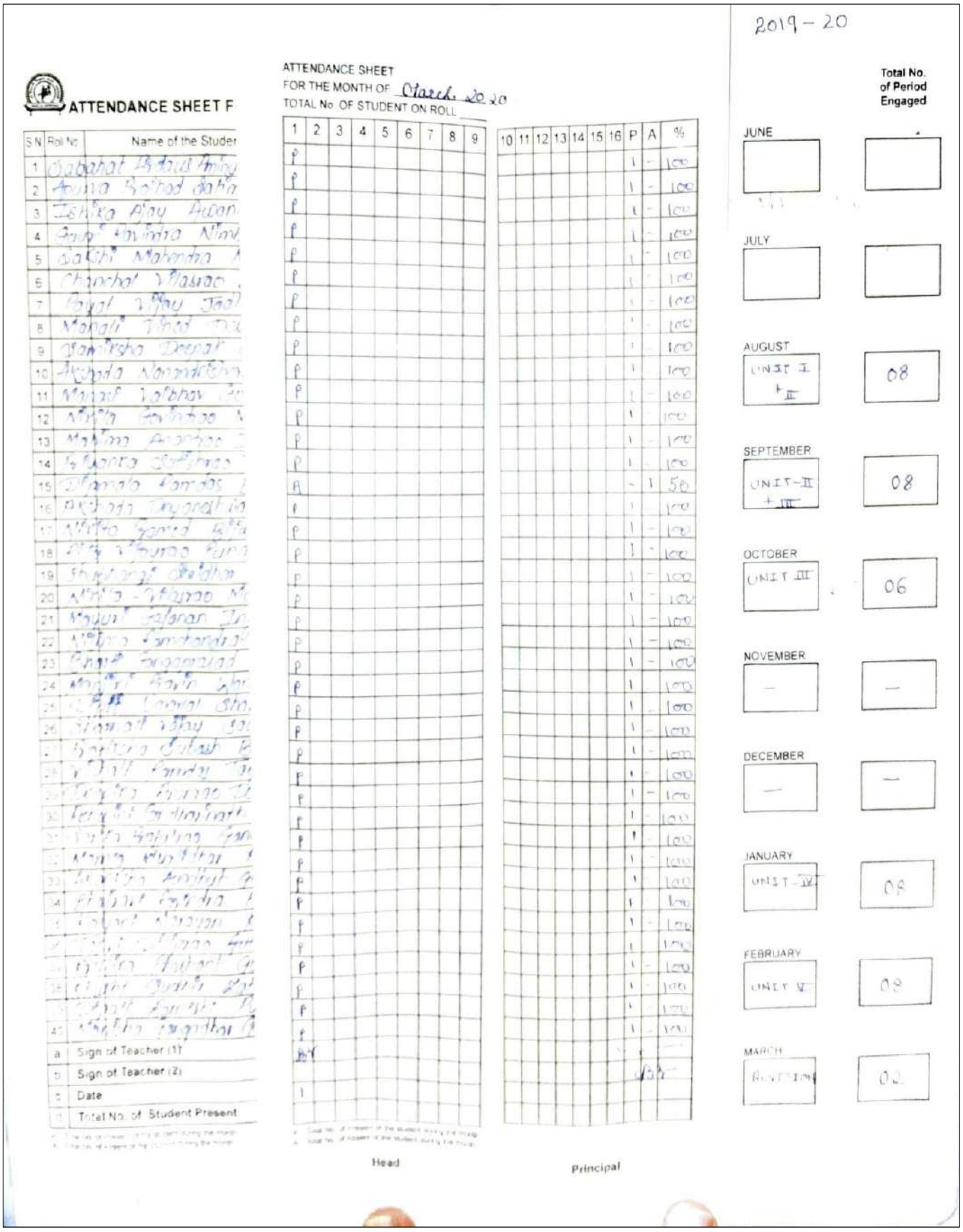
S.N	Roll No.	Name of the Student	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	P	A	%
41		Sakshi Bhaskar Ingole	P	.	P	P													3	1	75
42																					
43		DIPLOMA COURSES 2019 - 2020																			
44																					
45	1	Gitanjali Haridas Konde	P	P	P	.													3	1	75
46	2	Rita Devidas Kamble	P	P	P	P													4	-	100
47	3	Yasmeen Fatima Abdulsamad	.	P	P	P													3	1	75
48	4	Radhika Ramchandra Khondar	P	P	P	.													3	1	75
49	5	Tabassum Mateen Shaik	P	P	P	P													4	-	100
50	6	Anjum Nisha A. Shakil Nair	P	P	P	P													4	-	100
51	7	Rudrani Dinkar Zamare	.	P	P	P													3	1	75
52	8	Diksha Raghunath Pagare	P	P	P	P													4	-	100
53	9	Jayashree Gangaprasad Jaiswal	P	P	P	P													4	-	100
54	10	Vandana Bharat Kamble	P	P	.	P													3	1	75
55	11	Jaya Namdev Ghatkar	.	P	P	P													3	1	75
56	12	Shruti Sudhirkarrao Ganeshwar	P	P	P	P													4	-	100
57	13	Reena Raju Jakhad	P	P	P	P													4	-	100
58																					
59																					
60		ADVANCED DIPLOMA 2019-2020										0									
61																					
62	1	Rutuja Dilipraoo Sador	P	P	.	P													3	1	75
63	2	Varsha Subhash Tungkhare	P	P	P	P													4	-	100
64	3	Vaishnavi Ashokrao Meteng	P	.	P	P													3	1	75
65	4	Shubhangi Gangaprasad Jaiswal	P	P	P	P													4	-	100
66	5	Aarti Ashok Umat	P	.	P	P													3	1	75
67																					
68																					
69																					
70																					
71																					
72																					
73																					
74																					
75																					
76																					
77																					
78																					
79																					
80																					
a		Sign of Teacher (1)																			
b		Sign of Teacher (2)																			
c		Date	4	11	15	25															
d		Total No. of Student Present																			

P Total No. of Present of the student during the month.
A Total No. of Absent of the student during the month.

Head

Principal

	Total No. of Period Engaged
JUNE	
JULY	
AUGUST I + II	08
SEPTEMBER II + III	08
OCTOBER III	06
NOVEMBER –	–
DECEMBER –	–
JANUARY IV	08
FEBRUARY V	08
MARCH REVISION	02



ATTENDANCE SHEET F

ATTENDANCE SHEET
FOR THE MONTH OF March 2020
TOTAL No OF STUDENT ON ROLL

2019 – 20

Total No. of Period Engaged

JUNE

JULY

AUGUST — UNIT I + II — 08

SEPTEMBER — UNIT – II + III — 08

OCTOBER — UNIT III — 06

NOVEMBER —

DECEMBER —

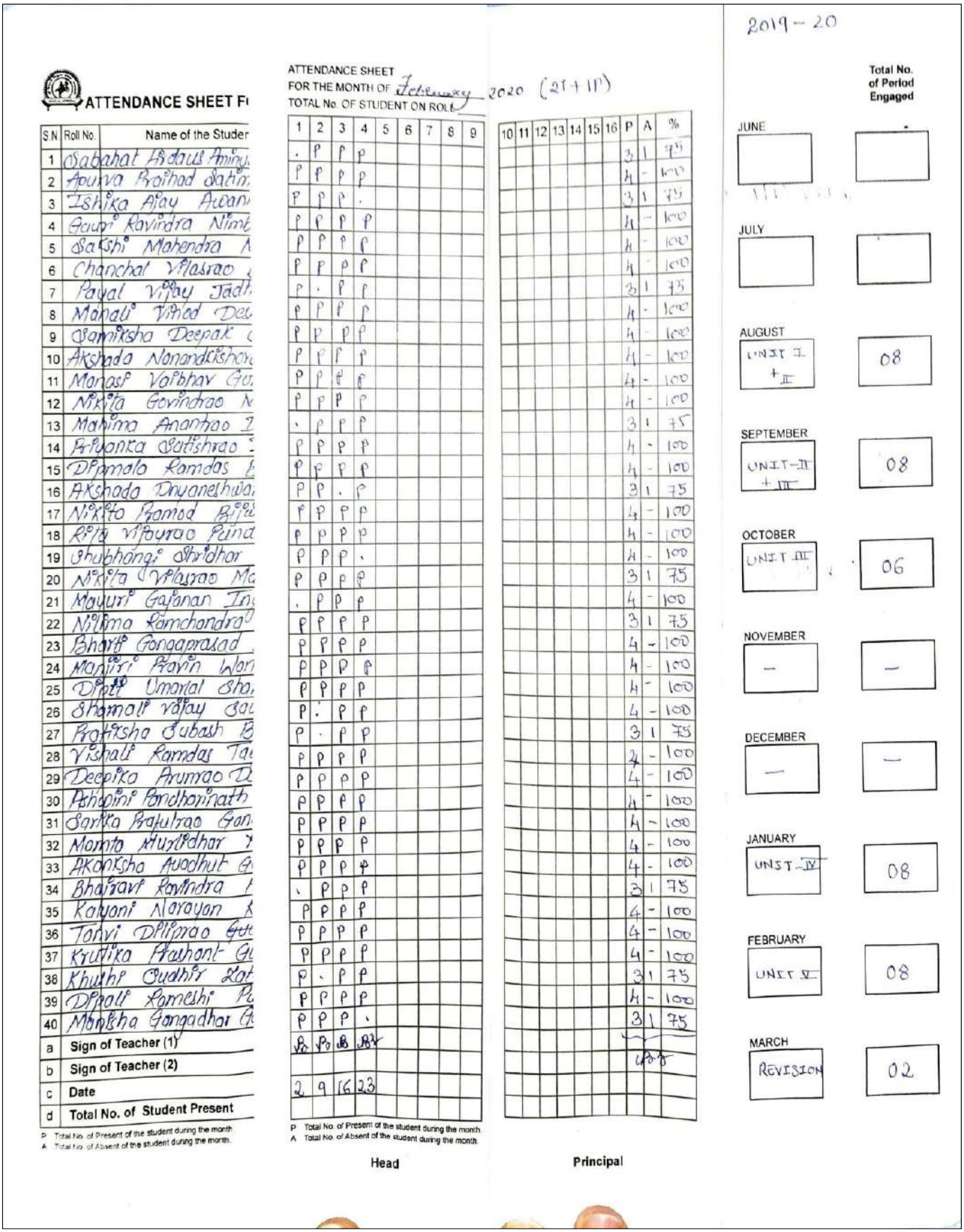
JANUARY — UNIT – IV — 08

FEBRUARY — UNIT V — 08

MARCH — 02

Head

Principal



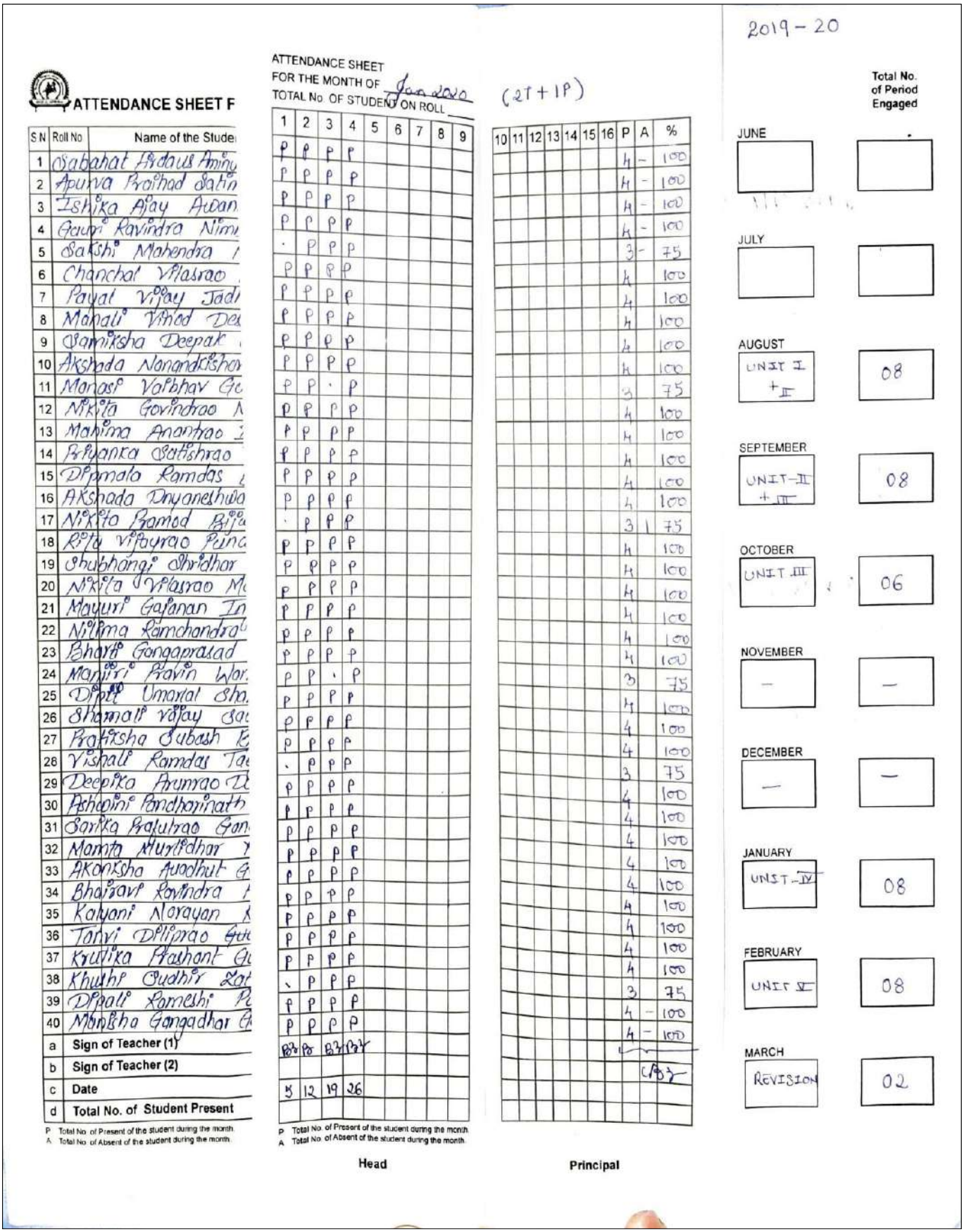
ATTENDANCE SHEET FI

S.N	Roll No.	Name of the Studer
1		Sabahat Idrus Aming
2		Aquiva Farihad Sahin
3		Ishika Ajay Avan
4		Gauri Ravindra Nimb
5		Sakshi Mahendra A
6		Chanchal Vilasrao
7		Payal Vijay Jadh
8		Manali Vinod Des
9		Samiksha Deepak
10		Akshada Nanandkishor
11		Manasi Vaibhav Go
12		Nikita Govindrao N
13		Mahima Anantrao I
14		Priyanka Satishrao
15		Dipmala Ramdas
16		Akshada Dnyaneshwa
17		Nikita Ramod Bi
18		Rita Vilasrao Pund
19		Shubhangi Shridhar
20		Nikita Vilasrao Ma
21		Mayuri Gajanan In
22		Nilima Ramchandra
23		Bharti Gangaprasad
24		Manisri Pravin Wan
25		Dipti Umarlal Sha
26		Shamali Vijay Gau
27		Prakisha Subash B
28		Vishali Ramdas Ta
29		Deepika Arunrao D
30		Ashopini Pandharinath
31		Sarika Rajulrao Gan
32		Mamta Murlidhar
33		Akanksha Avadhut G
34		Bhargavi Ravindra
35		Kalyani Narayan
36		Tanvi Diliprao Gu
37		Krutika Prashant G
38		Khushi Sudhir Lat
39		Dipali Rameshi P
40		Manisha Gangadhar G
a	Sign of Teacher (1)	
b	Sign of Teacher (2)	
c	Date	
d	Total No. of Student Present	

P Total No. of Present of the student during the month
A Total No. of Absent of the student during the month.

ATTENDANCE SHEET
FOR THE MONTH OF February 2020 (21+11)
TOTAL No. OF STUDENT ON ROLL

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	P	A	%
.	P	P	P													3	1	75
P	P	P	P													4	-	100
P	P	P	.													3	1	75
P	P	P	P													4	-	100
P	P	P	P													4	-	100
P	P	P	P													4	-	100
P	.	P	P													3	1	75
P	P	P	P													4	-	100
P	P	P	P													4	-	100
P	P	P	P													4	-	100
P	P	P	P													4	-	100
P	P	P	P													4	-	100
.	P	P	P													3	1	75
P	P	P	P													4	-	100
P	P	P	P													4	-	100
P	P	.	P													3	1	75
P	P	P	P													4	-	100
P	P	P	P													4	-	100
P	P	P	P													4	-	100
P	P	P	P													4	-	100
P	P	P	P													3	1	75
P	P	P	P													4	-	100
P	P	P	P													4	-	100
P	P	P	P													4	-	100
P	P	P	P													4	-	100
P	P	P	P													4	-	100
P	P	P	P													4	-	100
P	P	P	P													4	-	100
P	P	P	P													4	-	100
P	P	P	P													3	1	75
P	P	P	P													4	-	100
P	P	P	P													4	-	100
P	P	P	P													4	-	100
P	P	P	P													4	-	100
P	P	P	P													4	-	100
P	P	P	P													4	-	100
P	P	P	P													4	-	100
P	P	P	P													3	1	75
P	P	P	P													4	-	100
P	P	P	P													4	-	100
P	P	P	P													4	-	100
P	P	P	P													3	1	75
P	P	P	P													4	-	100
P	P	P	.													4	-	100
P	P	P	P													3	1	75
P	P	P	P													4	-	100
P	P	P	P													4	-	100
P	P	P	P



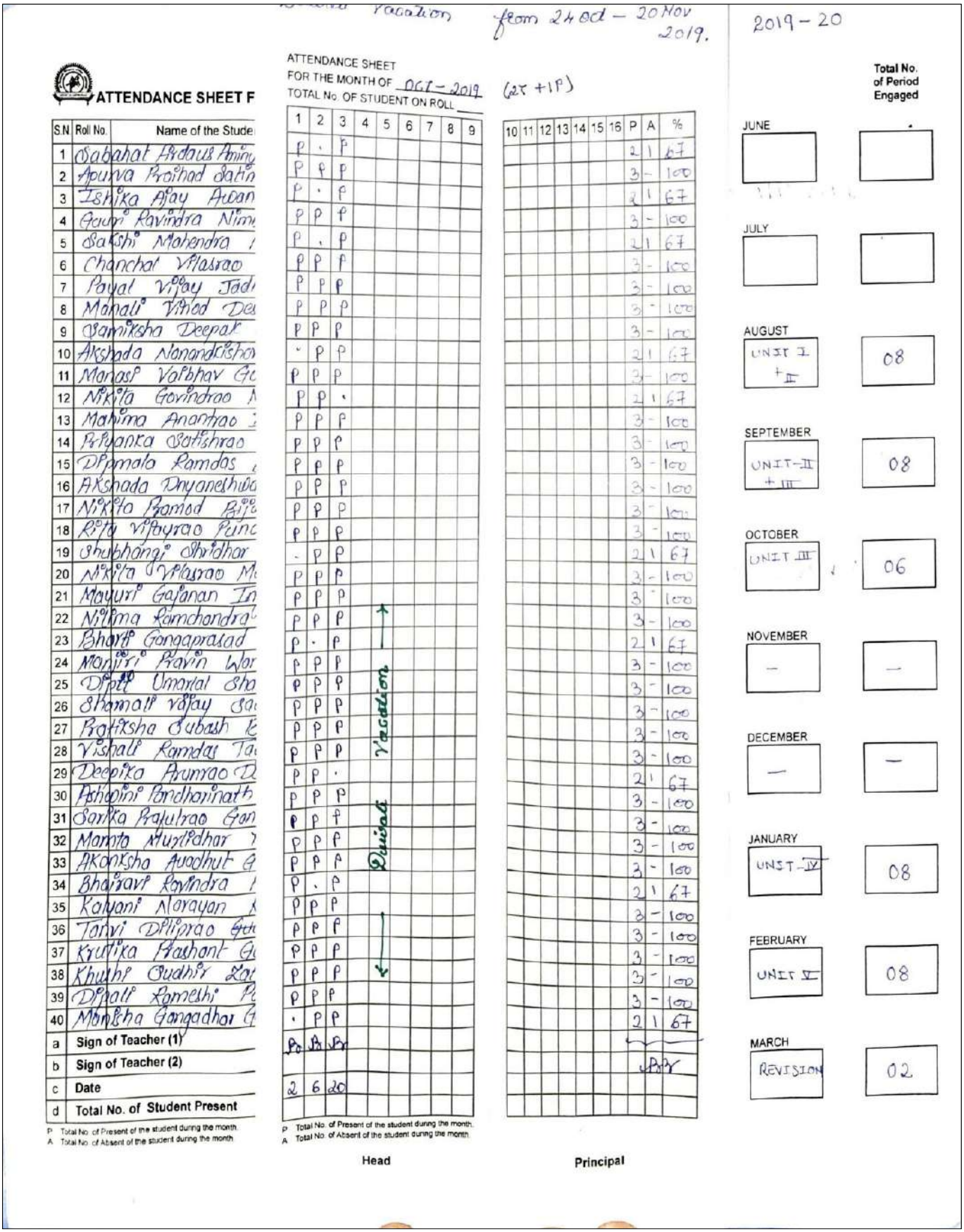
ATTENDANCE SHEET F

S N	Roll No	Name of the Stude
1		Sabahat Firdaus Amin
2		Apurva Prathad Satin
3		Ishika Ajay Awan
4		Gauri Ravindra Nim
5		Sakshi Mahendra
6		Chanchal Vilasrao
7		Payal Vijay Jadi
8		Mahali Vinod De
9		Samiksha Deepak
10		Akshada Nanandkisho
11		Manasi Vallabhav Go
12		Nikita Govindrao
13		Manima Anantrao
14		Priyanka Satishrao
15		Dipmala Ramdas
16		Akshada Dnyaneshwa
17		Nikita Pramod Bij
18		Rita Vitthalrao Pun
19		Shubhangi Shridhar
20		Nikita Vilasrao M
21		Mayuri Gajanan In
22		Nilima Ramchandra
23		Bharti Gangaprasad
24		Manjiri Pravin War
25		Dipti Umarlal Sha
26		Shamali Vijay Ba
27		Prakrisha Subash K
28		Vishali Ramdas Ta
29		Deepika Arumrao D
30		Ashwini Pandharinath
31		Sarika Prabhakar Gan
32		Mamta Muralidhar
33		Akanksha Avadhut G
34		Bhargavi Ravindra
35		Kalyani Narayan
36		Tanvi Dilipraо Gu
37		Krutika Prashant G
38		Khushi Sudhir Zar
39		Dipali Rameshi P
40		Manisha Gangadhar G
a	Sign of Teacher (1)	
b	Sign of Teacher (2)	
c	Date	
d	Total No. of Student Present	

P Total No. of Present of the student during the month.
A Total No. of Absent of the student during the month.

ATTENDANCE SHEET
FOR THE MONTH OF Jan 2020
TOTAL No. OF STUDENT ON ROLL

1	2	3	4	5	6	7	8	9
P	P	P	P					
P	P	P	P					
P	P	P	P					
P	P	P	P					
.	P	P	P					
P	P	P	P					
P	P	P	P					
P	P	P	P					
P	P	P	P					
P	P	P	P					
P	P	.	P					
P	P	P	P					
P	P	P	P					
P	P	P	P					
P	P	P	P					
P	P	P



Vacation from 24 Oct – 20 Nov 2019.

2019 – 20

ATTENDANCE SHEET F

ATTENDANCE SHEET
FOR THE MONTH OF Oct – 2019
TOTAL No. OF STUDENT ON ROLL (25 + 1P)

S.N	Roll No.	Name of the Stude
1		Sabahat Ardaus Amin
2		Apurva Prashad Satin
3		Ishika Ajay Awan
4		Gaud Ravindra Nim
5		Sakshi Mahendra
6		Chanchal Vilasrao
7		Payal Vijay Jadh
8		Mahali Vinod Des
9		Samiksha Deepak
10		Akshada Nanandkishor
11		Manasi Vaibhav Gu
12		Nikita Govindrao
13		Mahima Anantrao
14		Priyanka Satishrao
15		Dipmala Ramdas
16		Akshada Dnyaneshwa
17		Nikita Pramod Raj
18		Rita Vitthalrao Punc
19		Shubhangi Shridhar
20		Nikita Vilasrao M
21		Mayuri Gajanan In
22		Nilima Ramchandra
23		Bharti Gangaprasad
24		Manjiri Pravin Wan
25		Dipti Umaralal Sha
26		Shamali Vijay Sa
27		Prakirsha Subash K
28		Vishali Ramdas Ta
29		Deepika Arumrao D
30		Ashwini Pandharinath
31		Sarika Prafulrao Gan
32		Mamta Murlidhar
33		Akanksha Avadhut G
34		Bhairavi Ravindra
35		Kalyani Narayan
36		Tanvi Diliprao Gu
37		Kruttika Prashant G
38		Khushi Sudhir Zar
39		Dipali Rameshi P
40		Manisha Gangadhar G
a		Sign of Teacher (1)
b		Sign of Teacher (2)
c		Date
d		Total No. of Student Present

P Total No. of Present of the student during the month.
A Total No. of Absent of the student during the month.

1	2	3	4	5	6	7	8	9
P	.	P						
P	P	P						
P	.	P						
P	P	P						
P	.	P						
P	P	P						
P	P	P						
P	P	P						
.	P	P						
P	P	P						
P	P	.						
P	P	P						
P	P	P						
P	.	P						
P	P	P						
P	P	P						
P	P	P						
P	P	P						
P	P	P						
P	P	.						
P	P	P						
P	P	P						
P	P	P						
P	P	P						
P	P	P						
P	P	P						
P	P	P						
P	P	P						
.	P	P						
Pa	Pa	Pa						
2	6	20						

Vacation

Diwali

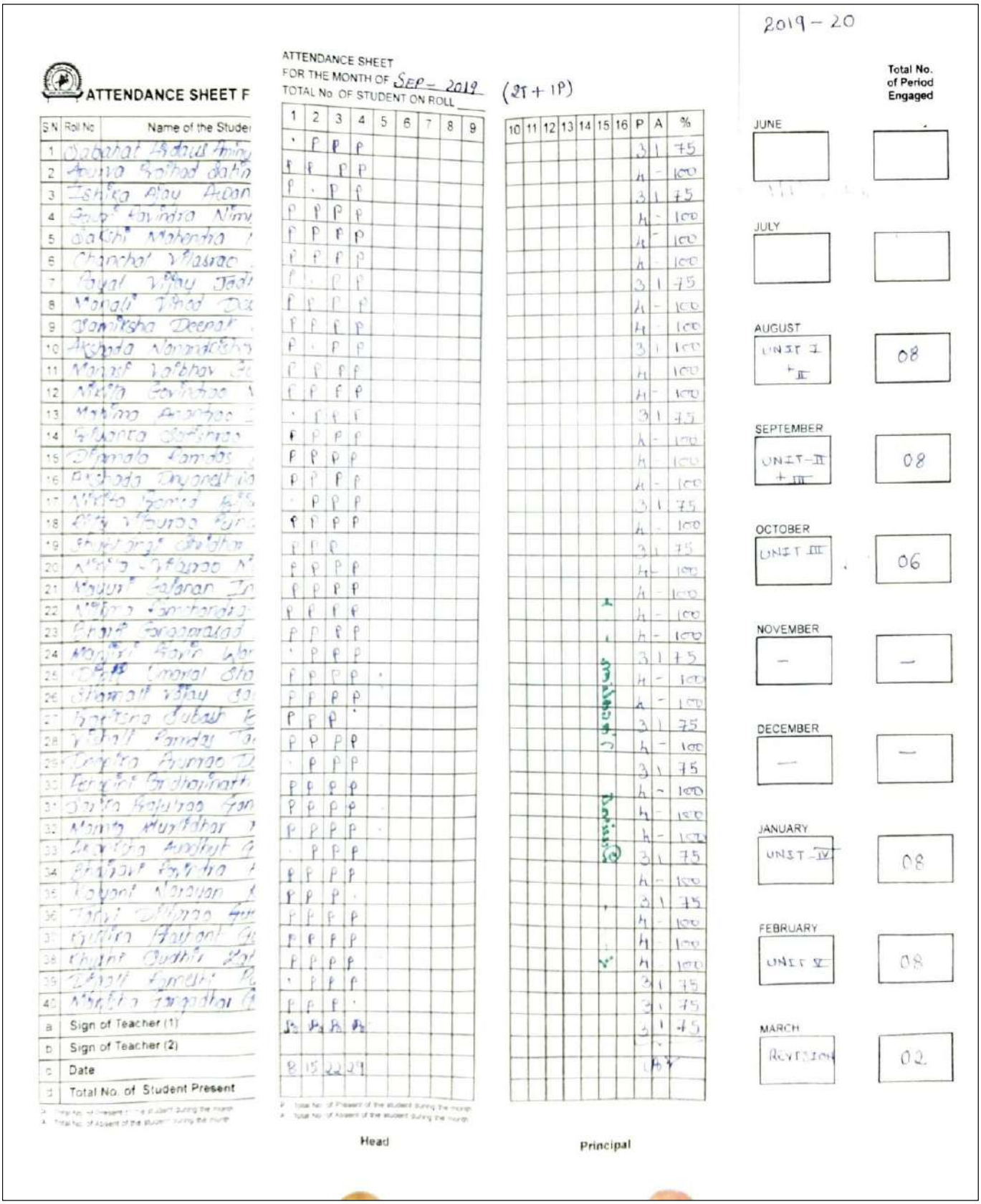
P Total No. of Present of the student during the month.
A Total No. of Absent of the student during the month.

10	11	12	13	14	15	16	P	A	%
							21	1	67
							3	-	100
							21	1	67
							3	-	100
							21	1	67
							3	-	100
							3	-	100
							3	-	100
							3	-	100
							21	1	67
							3	-	100
							21	1	67
							3	-	100
							3	-	100
							3	-	100
							3	-	100
							3	-	100
							3	-	100
							21	1	67
							3	-	100
							3	-	100
							3	-	100
							3	-	100
							3	-	100
							21	1	67
							3	-	100
							3	-	100
							3	-	100
							3	-	100
							21	1	67
							3	-	100
							3	-	100
							3	-	100
							21	1	67
							Pa	Pr	

	Total No. of Period Engaged
JUNE	
JULY	
AUGUST — UNIT I + II	08
SEPTEMBER — UNIT-II + III	08
OCTOBER — UNIT III	06
NOVEMBER — —	—
DECEMBER — —	—
JANUARY — UNIT-IV	08
FEBRUARY — UNIT V	08
MARCH — REVISION	02

Head

Principal

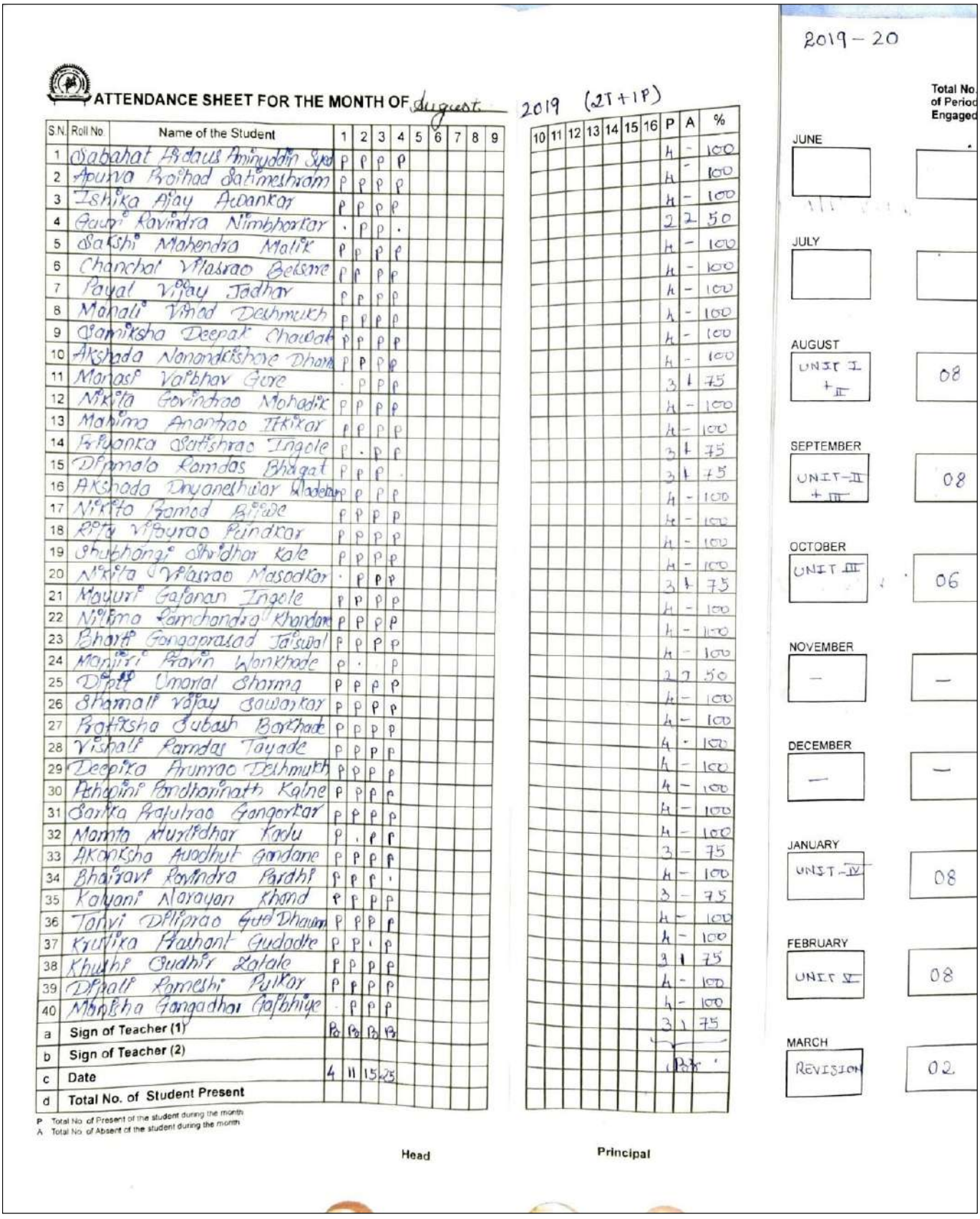


ATTENDANCE SHEET F

S.N	Roll No	Name of the Stude
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
40		
a	Sign of Teacher (1)	
b	Sign of Teacher (2)	
c	Date	
d	Total No. of Student Present	

ATTENDANCE SHEET
FOR THE MONTH OF SEP – 2019
TOTAL No. OF STUDENT ON ROLL (2T + 1P)

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	P	A	%
A	P	P	P													3	1	75
P	P	P	P													H	-	100
P	A	P	P													3	1	75
P	P	P	P													H	-	100
P	P	P	P													H	-	100
P	P	P	P													H	-	100
P	A	P	P													3	1	75
P	P	P	P													H	-	100
P	P	P	P													H	-	100
P	A	P	P													3	1	100
P	P	P	P													H		100
P	P	P	P													H	-	100
A	P	P	P													3	1	75
P	P	P	P													H	-	100
P	P	P	P													H		100
P	P	P	P													H	-	100
A	P	P	P													3	1	75
P	P	P	P													H	-	100
P	P	P														3	1	75
P	P	P	P													H	-	100
P	P	P	P													H	-	100
P	P	P	P													H	-	100
P	P	P	P													H	-	100
A	P	P	P



ATTENDANCE SHEET FOR THE MONTH OF August 2019 (2T+1P)

2019 – 20

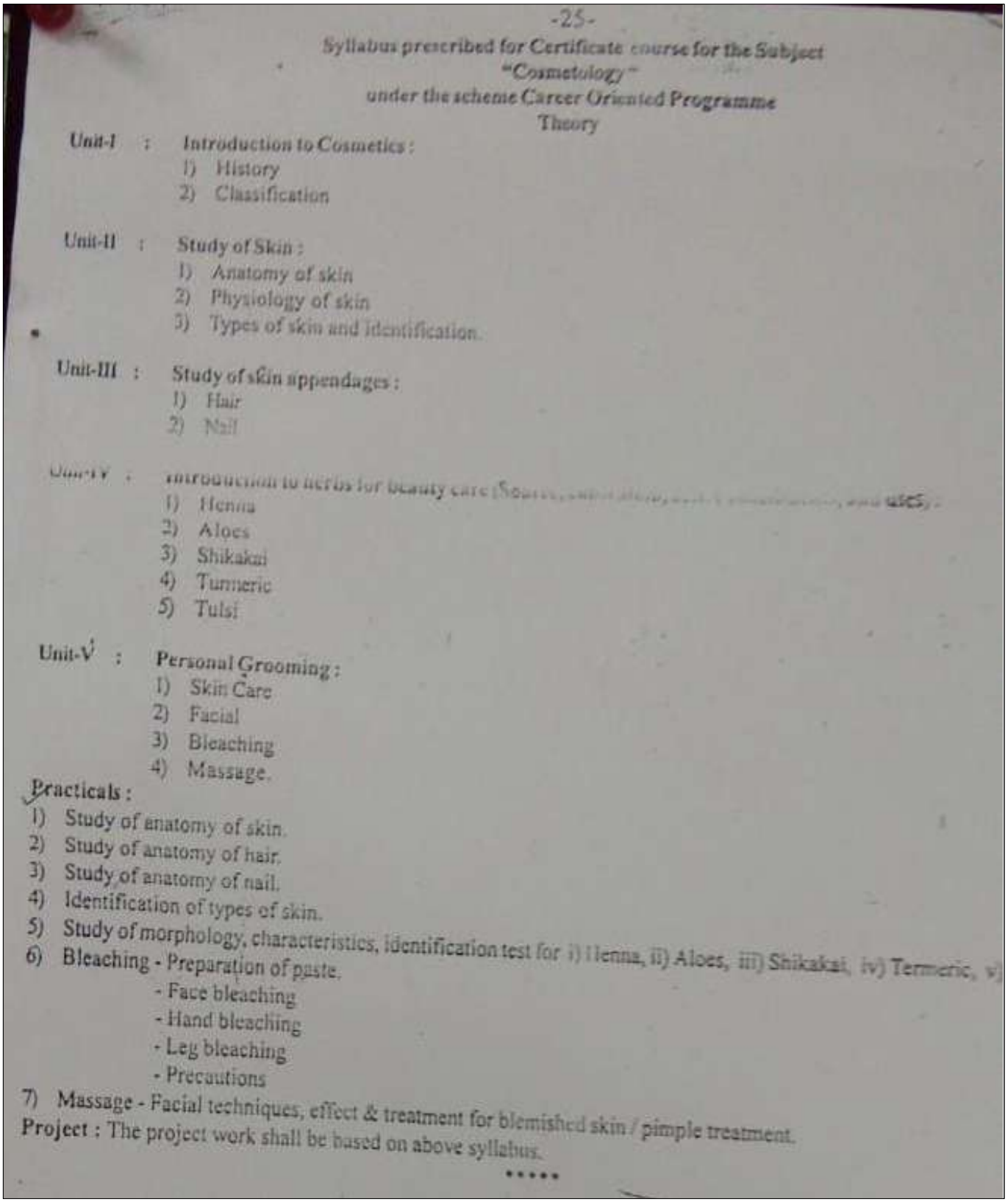
S.N.	Roll No	Name of the Student	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	P	A	%
1		Sabahat Firdaus Aminuddin Syed	P	P	P	P													4	-	100
2		Apurva Prithad Satimeshram	P	P	P	P													4	-	100
3		Ishika Ajay Awankar	P	P	P	P													4	-	100
4		Gauri Ravindra Nimbhorkar	.	P	P	.													2	2	50
5		Sakshi Mahendra Malik	P	P	P	P													4	-	100
6		Chanchal Vilasrao Belsare	P	P	P	P													4	-	100
7		Payal Vijay Jadhav	P	P	P	P													4	-	100
8		Mahali Vinod Deshmukh	P	P	P	P													4	-	100
9		Samiksha Deepak Chawak	P	P	P	P													4	-	100
10		Akshada Nanandkishore Dhan	P	P	P	P													4	-	100
11		Manasi Vaibhav Gore	.	P	P	P													3	1	75
12		Nikita Govindrao Mohadik	P	P	P	P													4	-	100
13		Mahima Anantrao Ekkar	P	P	P	P													4	-	100
14		Priyanka Satishrao Ingole	P	.	P	P													3	1	75
15		Dipmala Ramdas Bhagat	P	P	P	.													3	1	75
16		Akshada Dnyaneshwar Madelwa	P	P	P														4	-	100
17		Nikita Pramod Bipde	P	P	P	P													4	-	100
18		Rita Vilasrao Pandkar	P	P	P	P													4	-	100
19		Shubhangi Shridhar Kale	P	P	P	P													4	-	100
20		Nikita Vilasrao Masodkar	.	P	P	P													3	1	75
21		Mayuri Gajanan Ingole	P	P	P	P													4	-	100
22		Nilima Ramchandra Khandar	P	P	P	P													4	-	100
23		Bharti Gangaprasad Jaiswal	P	P	P	P													4	-	100
24		Manjiri Ravin Wankhade	P	.	.	P													2	2	50
25		Dipti Umarlal Sharma	P	P	P	P													4	-	100
26		Shamali Vijay Sawarkar	P	P	P	P													4	-	100
27		Prakisha Subash Barkhade	P	P	P	P													4	-	100
28		Vishali Ramdas Tayade	P	P	P	P													4	-	100
29		Deepika Arunrao Deshmukh	P	P	P	P													4	-	100
30		Pahajini Pandharinath Kalne	P	P	P	P													4	-	100
31		Sarika Rajuirao Gangarkar	P	P	P	P													4	-	100
32		Mamta Murlidhar Kadu	P	.	P	P													3	-	75
33		Akanksha Avadhut Gandane	P	P	P	P													4	-	100
34		Bhairavi Ravindra Pardhi	P	P	P	.													3	-	75
35		Kalyani Narayan Khond	P	P	P	P													4	-	100
36		Tanvi Dilipraо Gud Dhanm	P	P	P	P													4	-	100
37		Krutika Prashant Gudadhe	P	P	.	P													3	1	75
38		Khushi Sudhir Lalale	P	P	P	P													4	-	100
39		Dipali Rameshi Pujkar	P	P	P	P													4	-	100
40		Manisha Gangadhar Gajbhiye	.	P	P	P													3	1	75
a		Sign of Teacher (1)																			
b		Sign of Teacher (2)																			
c		Date	4	11	15	25															
d		Total No. of Student Present																			

P Total No. of Present of the student during the month
A Total No. of Absent of the student during the month

Head Principal

	Total No. of Period Engaged
JUNE	
JULY	
AUGUST — UNIT I + II	08
SEPTEMBER — UNIT-II + III	08
OCTOBER — UNIT III	06
NOVEMBER —	—
DECEMBER —	—
JANUARY — UNIT-IV	08
FEBRUARY — UNIT V	08
MARCH — REVISION	02

Curriculum and Time table



-25-

Syllabus prescribed for Certificate course for the Subject "Cosmetology" under the scheme Career Oriented Programme

Theory

Unit-I : **Introduction to Cosmetics :**
1) History
2) Classification

Unit-II : **Study of Skin :**
1) Anatomy of skin
2) Physiology of skin
3) Types of skin and identification.

Unit-III : **Study of skin appendages :**
1) Hair
2) Nail

Unit-IV : Introduction to herbs for beauty care (Source, ... and uses).
1) Henna
2) Aloes
3) Shikakai
4) Turmeric
5) Tulsi

Unit-V : **Personal Grooming :**
1) Skin Care
2) Facial
3) Bleaching
4) Massage.

Practicals :
1) Study of anatomy of skin.
2) Study of anatomy of hair.
3) Study of anatomy of nail.
4) Identification of types of skin.
5) Study of morphology, characteristics, identification test for i) Henna, ii) Aloes, iii) Shikakai, iv) Termeric, v)
6) Bleaching - Preparation of paste.
   - Face bleaching
   - Hand bleaching
   - Leg bleaching
   - Precautions
7) Massage - Facial techniques, effect & treatment for blemished skin / pimple treatment.

Project : The project work shall be based on above syllabus.

*****

Shri Shivaji Science College Amravati
Department of Chemistry
Cosmetology
Certificate Course
Time Table

Day (Sunday)	1	2	3	4	5
Module(T) 10am-11 am	Module I Introduction to Cosmetology	Module I Nutrition and Health	Module I History of Cosmetics	Module I Herbal Cosmetics	Module I Classification of Cosmetics
Practical (11-1.00 pm)	Pr1Anatomy of skin	Pr2Anatomy of skin	Pr3Anatomy of hair	Pr4Anatomy of nail	Pr5Identification of type of skin
Day (Sunday)	6	7	8	9	10
Module(T) 10am-11 am	Module II Selection ,Storage and Shelf life of Cosmetics	Module II Study of Skin	Module II Anatomy OF Skin	Module II Anatomy OF SkinPhysiology of Skin	Module II Types of Skin
Practical (11-1.00 pm)	Pr6Morphology etc of Herbs Henna	Pr7Morphology etc of Aloes	Pr8Morphology etc of Shikakai	Pr9Morphology etc of Tulsi	Pr10Morphology etc of Turmeric
Day (Sunday)	11	12	13	14	15
Module(T) 10am-11 am	Module III Identification OF Skin	Module III Study of Skin Apendages	Module III Structure & Function of Hair	Module III Hair Cycle	Module III Structure & Function of Nails
Practical (11-1.00 pm)	Pr11Face Bleaching	Pr12Hand Bleaching	Pr13Leg Bleaching	Pr14Precaution during bleaching	Pr15Facial Theory tips
Day (Sunday)	16	17	18	19	20
Module(T) 10am-11 am	Module IV Hair & Nail Care	Module IV Introduction to herbs for beauty care (Source, Cultivation, Active Constitutes and uses) Tulsi	Module IV Aloes	Module IV Henna	Module IV Shikakai
Practical (11-1.00 pm)	Pr16Facial finger movement practise	Pr17Facial Demo and practise	Pr18Treatment for blemished skin	Pr19Treatment for pimpled skin	Pr20 Threading
Day (Sunday)	21 Waxing Theory and Precautions	22Leg Waxing	23Underarm Waxing	24 Hand Waxing	25Body Massage
Module(T) 10am-11 am	Module V Turmeric	Module V Personal Grooming	Module V Types of Camera	Module V Parts of Camera	Module V Function of Cameras
Practical (11-1.00 pm)	Pr21 Make-up	Pr22Hair style	Pr23College Hairstyle	Pr24Bridal Make-up	Pr25Personal Grooming
Day (Sunday)	26	27	28	29	30
Module(T) 10am-11 am	Module VI Types of lenses	Module VI Types of Filters	Module VI Aperture, Speed & ISO	Module VI Accessories of Camera	Module VI Photo editing
Practical (11-1.00 pm)	Pr26	Pr27	Pr28	Pr29	Pr30

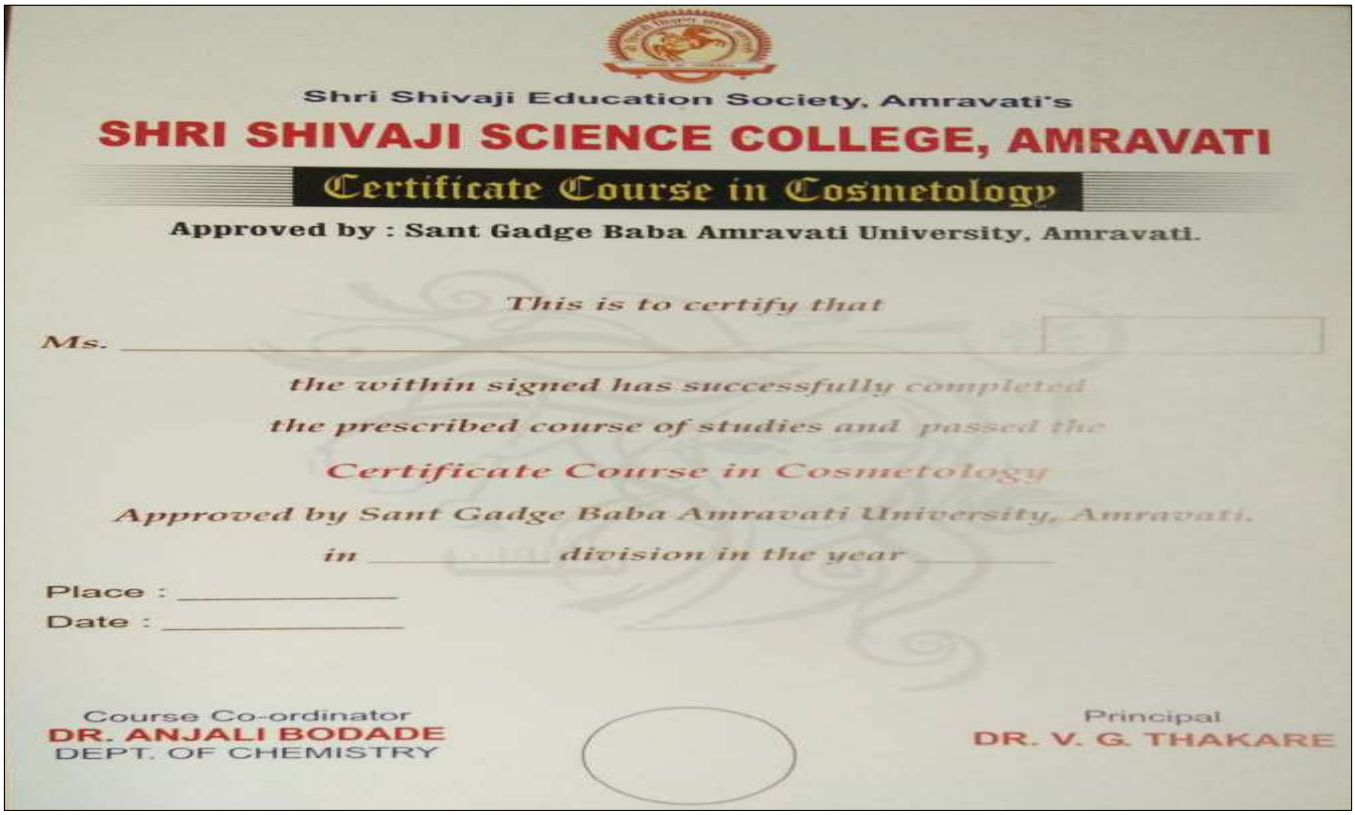
Admission schedule: 1 to 31 July
Theory & Practical schedule: Aug, Sept, Oct, Nov, Jan, Feb, March & April
Project Topics are given in the pre –Diwali session.

HOD **Course In-charge** **Principal**

Assessment

ASSESSMENT

Shri Shivaji Science College ,Amravati				
Department of Chemistry				
Carrer Orientated Course in Cosmatology				
Result Analysis (2015-2020)				
CERTIFICATE				
Year/Course	Admitted	Appeared	Passed %	
2015-16	50	36	72	
2016-17	72	64	86	
2017-18	56	49	88	
2018-19	43	38	88	
2019-20	41	33	80	
Course Co-ordinator			Head of the Dept.	Principal



Shri Shivaji Education Society, Amravati's

SHRI SHIVAJI SCIENCE COLLEGE, AMRAVATI

Certificate Course in Cosmetology

Approved by : Sant Gadge Baba Amravati University, Amravati.

This is to certify that

Ms. _____

the within signed has successfully completed

the prescribed course of studies and passed the

Certificate Course in Cosmetology

Approved by Sant Gadge Baba Amravati University, Amravati.

in _____ *division in the year* _____

Place : _____

Date : _____

Course Co-ordinator
DR. ANJALI BODADE
DEPT. OF CHEMISTRY

Principal
DR. V. G. THAKARE

Summary Report and Outcome

SESSION 2019-2020

SUMMARY REPORT AND OUTCOME

The students **admitted** to certificate (41), diploma (13) and advanced diploma (5). Result obtained in pass percentage was Certificate 80%, Diploma 92% and Advanced Diploma 100%.

Numbers of activities arranged

1. **Workshop on Health and Wellness** Dr Vaishali Choukhande guided the students through practical demonstration about SUJOG THERAPY, COLOUR THERAPY, MUDRA and SMILE MEDITATION.The students experienced the thrill of Smile Meditation and had refreshing experience. On this occasion Ms Pratibha Bhowate informed about how to take care of our Skin and Hair.SCIENTIFIC COMBING TECHNIQUE for the brushing the Hair was demonstration and its need was explained.
   - **Workshop on Bridal Make-up by Ms. Pratibha Bhowate** held on 23rd September 2019.
   - **Learning Outcomes of Certificate Course**
     1)Facial practice Helps to develop bond between mother and daughter.
     2)Counselling.

     3) It provides skill utility in home functions.

     Learning Outcomes of Diploma Course

     1) **Placement of the students:** Three of our students Ms Arti.A. Umak, Vaishali.R. Bodade and Sonu Thakre were selected as vocational Trainers.
     2) Knowledge of Colour therapy, Mudra, Smile Meditation.

     Learning Outcomes of Advance Diploma

     1)Learnt safety measures of cosmetic preparations.

     2)Preparation of coloured cosmetics.
     3)Knowledge of Colour therapy, Mudra, Smile Meditation Scientific Combing.

   - **Future Plans:**

- Exposing students to the entrepreneurship in latest flourishing cosmetic industry.
- To promote research in advanced cosmetic sector.
- To provide expertise in cosmetic skill which will have more opening in service, industries and self employment sector.

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Dept. of Chemistry (Add on Programme "Instrumentation Techniques and their Practical Application for Students"

Name and Duration of the Program

To,
The Principal,
Shri Shivaji Science College, Amravati.

Subject : To seek permission to organize One Month National Training Course " Instrumental Techniques and Their Practical Application for PG and Research student"

Respected sir,

With reference to the above subject I would like to request you to grant permission to organize **One Month National Training Course " Instrumental Techniques and Their Practical Application for PG and Research student"** by Dept of Chemistry from 01 to 31 August 2020.

Thanking you.

Co-ordinator,

Date : 19/07/20

Dr. S. A. Wadhal
Associate Professor,
Department of Chemistry,
Shri Shivaji Science College, Amravati

Dr. G. N. Chaudhari
Professor & Head
Dept. of Chemistry
Shri Shivaji Science College,
Amravati-444 605 (M.S.)

List of the Students Enrolled and Attendance

Online one month National training course on

"Instrumental Techniques and their Practical Applications for PG and Research Students"

Participents (ITPA-2020)

Sr No	Name of the Participant	Name of the Institute/College	E-mail ID
1	Dr. Swaminath Laxman Bhattar	Gogate-Jogalekar College Ratnagiri	slbhattar@gmail.com
2	Nivedita Shankarrao Marape	Shri Shivaji science College Amravati	sampada.marape750@gmail.com
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4	Kalyani Ashokrao Aswar	Vidarbha mahavidyalay, Amravati	kalyaniaswar2415@gmail.com
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7	Priya Suresh Bhaltilak	Sant Gadge Baba Amravati University	bhaltilakpriya@gmail.com
8	Girish AnantraojiGanorkar	Sant Gadge Baba MaravatiUniversity,Amravati	girishganorkar90@gmail.com
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10	Mr. Nagesh R. Nahate	Shri Shivaji Arts,Commerce and Science College, Akot	nageshnahate@gmail.com
11	Ku. Mohini Vishwanathrao Patil	Government Vidarbha institute of Science and Humanities Amravati	mohinivpatil75@gmail.com
12	GAUTAM SHANKAR PATIL	Yashwantrao chavan art and science college mangrulprir	patilgautam2016@gmail.com
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14	Vaishnavi PrafullraoAsare	Shri shivaji science clg amt	vsishnaviasare02613@gmail.com
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95	Shrikant Sanjay Tijare	Vidhyabhartimahavidhyalayaamravati	shrikanttijate988@gmail.com
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101	Vaishnavi Wattamwar	Shri shivaji science college Amravati	wattamwarvaishnavi77@gmail.com
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Curriculum and Time table

COURSE SESSIONWISE DETAILED INFORMATION WITH LINKS:

Date	Name of the Session	Link of the session
1/08/20	Session 1: Introduction and Description of the Course	1.https://classroom.google.com/u/0/w/MTI5NzgxOTI5NTcw/tc/MTQxNjYxMTc5NTQ0 2.https://drive.google.com/open?id=1Pr3fgVfysnXHX08oo5yippwnqWf6pUwc&authuser=0
01/08/20	Session 2: Industrial Scope, Applications and Opportunities for Instrumental Techniques.	1.https://classroom.google.com/c/MTI5NzgxOTI5NTcw/m/MTIxNzY0NjIxNDEw/details 2.https://drive.google.com/open?id=1lQW_vZBOaJd1e5VesCrX-XaMF4pgo3R3&authuser=0
02/08/20	Session 3: Introduction and Instrumentation of HPLC	1.https://classroom.google.com/u/0/w/MTI5NzgxOTI5NTcw/tc/MTIxODc0Njg4OTcy 2.https://drive.google.com/open?id=1LM0z_mhfljlO2KLqi9H2PkWSnPVUcC4I&authuser=0
03/08/20	Session 4: Reversed phase and Normal phase HPLC	1.https://classroom.google.com/u/0/w/MTI5NzgxOTI5NTcw/tc/MTM4MzM0ODE2ODQy 2.https://drive.google.com/open?id=1q2caopUgCweKzQ77o06lxH6g8tEBc7sx&authuser=0
04/08/20	Session 5: Stationary phases and Mobile Phases in HPLC(Practical Demonstration)	1. 1.https://classroom.google.com/u/0/w/MTI5NzgxOTI5NTcw/tc/MTM4Mzc2NDMxMjY0 2. https://drive.google.com/open?id=139n_rMAj5QoLh7iv1vDdLBy-gm_U695Q&authuser=0
05/08/20	Assignment	1. https://classroom.google.com/c/MTI5NzgxOTI5NTcw/a/MTIyMTMxOTg2MTc2/details 2. https://docs.google.com/forms/d/e/1FAIpQLScd5l1ae7_4ec7Bpss0BFwOUH_OHs7GapBs1RyBLxua8v4bUw/viewform?authuser=0
05/08/20	Session 6: Preparation of Mobile Phase and Sample(Practical Demonstration)	1. https://classroom.google.com/u/0/w/MTI5NzgxOTI5NTcw/tc/MTM4NDQwOTI5OTUw 2. https://drive.google.com/open?id=1T8U0B84oraVJg1UBa4FULrjHwch98lLn&authuser=0
06/08/20	Session 7: Calibration of HPLC Part- I (Practical Demonstration)	1.https://classroom.google.com/u/0/w/MTI5NzgxOTI5NTcw/tc/MTQxOTc5NjA3Mjk4 2.https://drive.google.com/open?id=1DLWDq-T_LG_P4vsVBKqa5Nswvb_DnEv8&authuser=0
07/08/20	FeedBack Form	1.https://classroom.google.com/c/MTI5NzgxOTI5NTcw/a/MTIyNDUzMTgwNDAy/details https://docs.google.com/forms/d/e/1FAIpQLSc3jWbSUCmOZ9cx8lt69l7EYSoadXozJm6-_kiy6gwMORveBA/viewform?authuser=0
07/08/20	Assignment	https://classroom.google.com/c/MTI5NzgxOTI5NTcw/a/MTQxOTk1NDEwNDMw/details https://docs.google.com/forms/d/e/1FAIpQLScMddMN-GLRb0CfmVn5ZL-caXFE498rBhCJ15pqUiM-DN-G2g/viewform?authuser=0
07/08/20	Session 8: Calibration of HPLC Part- II (Practical Demonstration)	https://classroom.google.com/u/0/w/MTI5NzgxOTI5NTcw/tc/MTM4NTE3NDkzOTI5 https://drive.google.com/open?id=1KTh7Dp2HSn6AzVuAVjW3adM0df_muqSq&authuser=0
08/08/20	Session 9: Online Demonstration of HPLC on ZOOM	https://classroom.google.com/c/MTI5NzgxOTI5NTcw/m/MTIyODg3OTI5NzYz/details https://drive.google.com/open?id=1GVu4RRRFy9bpTfRJnYT-9Mp-

Curriculum and Time table

		aozizIVd&authuser=0
09/08/20	Session 10: Trouble Shooting: HPLC	https://classroom.google.com/c/MTI5NzgxOTI5NTcw/m/MTQyMzY5MjU2OTMz/details https://drive.google.com/open?id=1kpHlBOzLuurfAzAqRp4BNbedsAgUmo2x&authuser=0
11/08/20	Session 11: Infra Red Spectroscopy: Instrumentation and Working	https://classroom.google.com/c/MTI5NzgxOTI5NTcw/m/MTM4NjU1NjgzMzE3/details https://drive.google.com/open?id=1wh52jCnsiTqgYNuqC7OcQNw2jSy3tX0Y&authuser=0
	FEEDBACK FORM	https://classroom.google.com/c/MTI5NzgxOTI5NTcw/a/MTUxOTgwOTMyNTg0/details https://classroom.google.com/w/MTI5NzgxOTI5NTcw/tc/MTUxOTg3NDIzMTA5
12/08/20	Session 12: Practical Demonstration of FTIR Instrument	https://classroom.google.com/c/MTI5NzgxOTI5NTcw/m/MTQyNzYxNDkxNDQ3/details https://drive.google.com/open?id=1afhPHZgGMqKqwAQhBvMTMHoPBty2ZUYR&authuser=0
13/08/20	Session 13: Infra Red Spectroscopy: Theory and Interpretation of IR Spectral Problems.	https://classroom.google.com/u/0/w/MTI5NzgxOTI5NTcw/tc/MTQyOTg4MDg0Njc4 https://drive.google.com/open?id=1g2YQ5DlATXQwbnq11g-aQRah6PkLDYnR&authuser=0
	Assignment	https://classroom.google.com/c/MTI5NzgxOTI5NTcw/a/MTM4NTUzMDYwNTcz/details https://classroom.google.com/c/MTI5NzgxOTI5NTcw/a/MTM4NTUzMDYwNTcz/details
14/08/20	Session 14: Gas Chromatography: Theory and Instrumentation	https://classroom.google.com/u/0/w/MTI5NzgxOTI5NTcw/tc/MTQ3NDAzMTEzMTMz https://drive.google.com/open?id=19ELozgYvxTZaViVd0xH7t7pum389NPJP&authuser=0
15/08/20	Session 15: Practical Demonstration of GC (PartI: 1)	https://classroom.google.com/u/0/w/MTI5NzgxOTI5NTcw/tc/MTQzMTI3OTEwNDQ3 https://drive.google.com/open?id=12dUN7WgzlioST4NqpC64qSYmuHe0eTEg&authuser=0
16/08/20	Session 16: Practical Demonstration of GC (Part : 2)	https://classroom.google.com/u/0/w/MTI5NzgxOTI5NTcw/tc/MTQzMTYzNzYxMTc1 https://drive.google.com/open?id=1koCj84i3j2ZnFp81bWdKOOl47aTJ1Izo&authuser=0
17/08/20	Session 17: Calibration of Gas Chromatography (Practical Demonstration) **Interactive Session on Zoom**	https://classroom.google.com/u/0/w/MTI5NzgxOTI5NTcw/tc/MTI2NzUyMDY5MTA2 https://drive.google.com/open?id=13Q5tNxhKwBshgGLuoSgrpOjsffmh8njm&authuser=0
18/08/20	Session 18: Instrumentation of X-Ray Diffraction	https://classroom.google.com/u/0/w/MTI5NzgxOTI5NTcw/tc/MTI3MDA4MDcxOTc5 https://drive.google.com/open?id=1SejlQmYbggnFatRHn4X5L8zFA5erGwEA&authuser=0
	Assignment	https://classroom.google.com/c/MTI5NzgxOTI5NTcw/a/MTIzNTg4NTgwMDAw/details https://docs.google.com/forms/d/e/1FAIpQLSdJSj54DzDS1Cy8rbfPttP6DuIFcJ2q3FLLQxK6s445L7OpxA/viewform?authuser=0
19/08/20	Session 19: Practical Demonstration of X-Ray Diffractometer	https://classroom.google.com/u/0/w/MTI5NzgxOTI5NTcw/tc/MTQ4MzE3NjI2ODA0 https://drive.google.com/open?id=1_ekLUFjoj220PRrLBjr5tPU7YlfG531U&authuser=0
20/08/20	Session 20:	https://classroom.google.com/u/0/w/MTI5NzgxOTI5NTcw/tc/MTQ4

	Determination of water content by Karl Fisher Instrument	NTI3NDAyMzY4 https://drive.google.com/open?id=10uZpQtCxGOHz9Eghnji0LD-Dv-KxKy3e&authuser=0
22/08/20	Session 21: Demonstration UV-Visible Spectrophotometer	https://classroom.google.com/c/MTI5NzgxOTI5NTcw/m/MTQ4ODU4ODU0NTE2/details https://drive.google.com/open?id=1-ezlHiucf_OMa9AXDIa3g2tzV00MRqkh&authuser=0
	Assignment	https://classroom.google.com/u/0/w/MTI5NzgxOTI5NTcw/tc/MTQzMjY1NDY1NzY2 https://docs.google.com/forms/d/e/1FAIpQLSdJSj54DzDS1Cy8rbfPttP6DuIFcJ2q3FLLQxK6s445L7OpxA/viewform?authuser=0
23/08/20	Session 22: Practical Demonstration of Atomic Absorption Spectrophotometer	https://classroom.google.com/u/0/w/MTI5NzgxOTI5NTcw/tc/MTMwNjA0MTY1MDY3 https://drive.google.com/open?id=1lz31jqSu7gurE96_vfnVbcyqtYJcaP7U&authuser=0
24/08/20	Interactive Session	Online on Zoom
25/08/20	Session 23: Calibration of UV –Visible Spectrophotometer	https://classroom.google.com/u/0/w/MTI5NzgxOTI5NTcw/tc/MTQzNjYyOTA3ODcx https://drive.google.com/open?id=1qT0Pbq7C6YObGImUpw1XhF829V5N0Tky&authuser=0
	Assignment	https://classroom.google.com/u/0/w/MTI5NzgxOTI5NTcw/tc/MTQ4NzkzNzIzMDg2 https://docs.google.com/forms/d/e/1FAIpQLSeXbLx2f46uknhsPahwerUnQVSFdwAXcNt5c0yDbQW5QHAtfA/viewform?authuser=0
26/08/20	Session 24: Diffuse Reflectance Spectroscopy: Principles and Applications	https://classroom.google.com/c/MTI5NzgxOTI5NTcw/m/MTUxODgzMjEyMTU4/details https://drive.google.com/file/d/1EekPrH0cXuZTUDTezZc0TPtb-iFKMtWU/view?usp=sharing
26/08/20	Session 25: Practical Demonstration of Diffuse Reflectance Spectroscopy	https://classroom.google.com/u/0/w/MTI5NzgxOTI5NTcw/tc/MTUxOTM4MDAwMDc4 https://drive.google.com/file/d/1gsb3D_1Uw6-lqVgaVzXCVqt-Nj0DxDGG/view?usp=sharing
27/08/20	Session 26: GC and GCMS : Theory and Basic Principles	https://classroom.google.com/u/0/w/MTI5NzgxOTI5NTcw/tc/MTQzODA2NTI0Nzc1 https://drive.google.com/open?id=1DhdBrwH_BbIP_Jb5ZADpkmix7MCmr2v2&authuser=0
	Assignment	https://classroom.google.com/u/0/w/MTI5NzgxOTI5NTcw/tc/MTQzODA2MDQ4Njcx https://docs.google.com/forms/d/e/1FAIpQLSdlOem5SpdNrv9jNUGR802bwEVWeCNLrayXzJ_HMlwgy2TRxw/viewform?authuser=0
27/08/20	Session 27: Practical demonstration of GC and GCMS	https://classroom.google.com/u/0/w/MTI5NzgxOTI5NTcw/tc/MTQzODA2NTI0ODQ4 https://drive.google.com/file/d/1xDTOArxPeyBrZys6Zr_JecxeyxfEr4Gx/view?usp=sharing
28/08/20	Session 28: Inductively Coupled Plasma Optical Spectrometer (ICP-OES): Principles and Applications	https://classroom.google.com/c/MTI5NzgxOTI5NTcw/m/MTUyNTg2NjA1NTI2/details https://drive.google.com/file/d/1lqvQp2uVt-9z4AS9g7l77OQB36bkAy5o/view?usp=sharing
29/08/20	Session 29: Practical Demonstration of Inductively Coupled Plasma Optical Spectrometer (ICP-OES)	https://classroom.google.com/u/0/w/MTI5NzgxOTI5NTcw/tc/MTUyNTg3NzQwOTA3 https://drive.google.com/open?id=1BLxLBJ3_cNQBsMHVbAcyhzGP4t5Vqw66&authuser=0
31/08/20	Final Examination	https://classroom.google.com/u/0/w/MTI5NzgxOTI5NTcw/tc/MTQzOTM2NDc2Mzg1

		https://docs.google.com/forms/d/e/1FAIpQLScxolyKriN-JQ6eYVF3i_HKDAVCbPt9Migo8P03tZ18494AYw/viewform?authuser=0
	Valedictory Function	Online on Zoom
21/09/20	Result Declaration and Certificate distribution	Online e-certificate and Hard copies distribution
	RESULT	https://docs.google.com/spreadsheets/d/1n1GRhzE5oPvDzIlJ2sLNzl10Ep9cpZ2ski3F8FQI9GI/edit?usp=sharing https://drive.google.com/drive/folders/1D1LpQDiU-dsGJg6kwPK1rvuRbhqWpU7F?usp=sharing
	Result Sheet	https://drive.google.com/file/d/15mbDGNeABj0iXlSufmXCy3bcQMQWtR7e/view?usp=sharing
	Exam Notice	https://drive.google.com/file/d/1y-00apK8whp_K52SMWMSSu1E7lmf3wBh/view?usp=sharing
	FEEDBACK FORM FINAL	https://docs.google.com/forms/d/1MoJGG85IzKBmDDlPydglBDew-2YyO6JT0EHuyvKUuTw/edit?usp=sharing

Assessment

ASSESSMENT

25/09/2020

(Out of 175 participants 124 participants qualified this course. The list of successful candidates with grade scored.)

(Grade A+: Outstanding, A: Good, B: Satisfactory)

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69	Ashwini S.Indurkar	Institute of Science , Nagpur	ashuindurkar000@gmail.com	A+
70	Ku. Punam Madhukar Damdhar	Govt. Vidarbha Institute of science and humanities,Amravati	punamdamdhar187@gmail.com	A
71	Ruchika vinodkhonde	Government vidharbh institute of science and Humanities Amravati	khonderuchika6@gmail.com	A+
72	Diksha DattatrayaSonone	Govt. Vidarbha Institute of Science and Humanities, Amravati.	dikshasonone1998@gmail.com	A+
73	Sagar Satish Barad	BrijlalBiyani Science College Amravati	sagarbarad04@gmail.com	A+
74	Devashri Prasad Navalekar	Government Vidarbha Institute Of Science And Humanities , Amravati	dnavalekar13@gmail.com	A+
75	Aishwarya Vinod Kadu	Mahatma Fule science collage, warud.	aishwaryakadu85045@gmail.com	A+
76	APARNA ARVIND RAUT	Institute of Science, Nagpur	aparnaraut2014@gmail.com	A+
77	Shivani Dinesh Monde	Shri Shivaji Science College Amravati	mondeshiu@gmail.com	A+
78	Akash Prakash Wallamwar	Department of Chemistry, Savitribai Phule Pune University	akashwallamwar@gmail.com	A+
79	Radhika SukhdeoJakhotiya	Shri Shivaji Science College Amravati	radhikajakhotiya1999@gamil.com	A
80	Aachal Tulsidas Sawwalakhe	Shri Shivaji Science College Amravati	aachal.sawwalakhe2017@gmail.com	A+

81	Ku.SamruddhiVijayrao Raut	Shri.shivaji science college ,amaravati	samrudhiraut691@gmail.com	A+
82	Vikram Vijay Kobarne	Arts Commerce &Science College, Satral, Tal-Rahuri, Dist-Ahmednagar	vikramkobarne96@gmail.com	A+
83	Ashwini Ashok Sasane	Vidhr institute of science and humanities Amravati	ashwinisasane1998@gmail.com	A+
84	Kajal Prabhujilsad	Shri. Shivaji Science College Amravati	kajalisad99@gmail.com	A+
85	Sarthak Ashok Bhisikar	Institute of Science, Nagpur	sarthak.bhisikar@gmail.com	A
86	AnushreeAmbadas sable	Government vidarbha institute of science and humanities Amravati.	ammabhagwan1989@gmail.com	A
87	Mr. Jayesh Shankar Waghmare	G. S. G. College Umarkhed	patiljsw2612@gmail.com	A+
88	GAYATRI GAJANAN HARNE	Shri Shivaji Science College Amravati	gayatriharne001@gmail.com	A+
89	KU. Jyotsana Krushna Kubde	Mahatma fule art's commerce and sitaramjichaudhari science Mahavidyalayawarud	jkubde1@gmail.com	A+
90	Mukta PradipraoChopade.	Government vidarbh Institute of science and humanities Amravati.	muktachopade0@gmail.com	A+
91	Ashlesha Dhananjay Basatwar	AmolakchandMahavidyalayaYavatmal	ashleshabasatwar@gmail.com	A+
92	SHIVAM RAM NAKKALWAR	Brijalabiyani science college, Amravati	shivamnakkalwar8@gmail.com	A+
93	KULDIP RANJIT INGLE	Shri Shivaji Science College Amravati	kuldipi2016@gmail.com	A+
94	ZAID ALI	SHRI SHIVAJI SCIENCE COLLEGE AMRAVATI	Zaidalisyed07@gmail.com	A+
95	Shrikant Sanjay Tijare	Vidhyabhartimahavidhyalayaamravati	shrikanttijate988@gmail.com	A+
96	Najaf khanamQaiyyumshah	Mahatma fulemahavidyalaye	Najafshah@gmail.com	A+
97	Neeraj Umesh Dwivedi	Shri Shivaji Science College Amravati	neerajdwivedi7030@gmail.com	A+
98	Ankita Arunrao Wade	MhatmafuleMhavidhyalyaWarud.	ankitaarunraowade@gmail.com	A+
99	Ku. KoyalGanpatrao Wankhede	Mahatma Fule Art's Commerce and Sitaramji Chaudhari Science Mahavidyalaya, Warud	koyalwankhede1@gmail.com	

100	Harsha Ramdas Satange	Mahatma fule college warud	harshasatange12@gmail.com	A+
101	Vaishnavi Wattamwar	Shri shivaji science college Amravati	wattamwarvaishnavi77@gmail.com	A+
102	Sahyadri Vinod Levharkar	Government Vidharbh Institute of science and Humanities Amaravati	sahyadrilevharkar@gmail.com	A+
103	DipaliKishorraoSabale	Mahatma fulemahavidhyalay ,warud	dipalisabale66@gmail.com	A+
104	Samiksha pralhadraoBidkar	Shri Shivaji Science College Amravati	bioinfosamiksha@gmail.com	A+
105	MOHD. SHAFAQUE AAMIR. MOHD. ILYAS	Vidya Bharati Mahavidyalaya college amravati	shafaqueaamir786@gmail.com	A+
106	Apurva Sanjay Thakare	Govt Vidharbha Institute of Science and Huminity, Amravati.	apurvathakare1999@gmail.com	A+
107	devidaskanade	Gsg	devidas.kanade@gmail.com	A
108	Ms. Pradnya Rajendra Mehare	Shri Shivaji Science College Amravati	pradnyamehare123@gmail.com	A+
109	VIVEK DNYANESHWAR GADE	Phulsing Naik MahavidyalayaPusad	gadevivek8@gmail.com	A+
110	DIVYA SAHEBRAO SAHARE	Arts Commerce & Science College, Kiran nagar, Amravati	divyasahare89@gmail.com	A+
111	Swati Radhesham Jaiswal	Shri shivaji science college Amravti	www.swatijaiswal.com@gmail.com	A
112	RUSHABH SANJAY FUKTE	BRIJLAL BIYANI SCIENCE COLLEGE	rushabhfukte01@gmail.com	A+
113	JanhviBhauraoMalode	shri shivaji science college, Amravati	janhvim2015@gmail.com	A+
114	Miss SnehalGajananrao Watane	Shri Shivaji Science College Amravati	snehalwatane2016@gmail.com	A+
115	ChetanSoye	Shri shivaji science college Amravati	chetasoye@gmail.com	A+
116	Aditya Kishor Bramhankar	Shri. Shivaji science college Amravati	bramhankaraditya6@gmail.com	A+
117	Shruti Girish Ghulaxe	Shri shivaji science college Amravati	shrutighulaxe3@gmail.com	A+
118	Rahul uttampawar	Ferguson college pune	rahulupawar9@gmail.com	A+
119	PurvaBhashkarUmbarkar	Government Vidarbh Institute of science and Humanities Amravati	purvaumbarkar8@gmail.com	A+
120	Suman HarisinghRajpurohit	BrijlalBiyani Science College Amravati	sumanrajpu357@gmail.com	A+
121	Prajakta	Shri Shivaji Science	bioinfoprajakta@gmail.com	A+

	TarkeshwarPillewan	college Amravati		
122	Aniruddha SanjayraoHande	Shri. Shivaji Science College Amravati	anihande97@gmail.com	A+
123	Komal Shivaji Thakur	BirjlalBiyani Science College, Amravati	ithakurkomal11@gmail.com	A+
124	Pallavi shrikrishna Lingot	Shri Shivaji science College	lingot8@gmail.com	B
	RESULT SHEET	https://drive.google.com/file/d/15mbDGNeABj0iXlSufmXCy3bcQMQWtR7e/view?usp=sharing		



Shri Shivaji Education Society, Amravati's

Shri Shivaji Science College, Amravati

Shivaji Nagar, Morshi Road, Amravati (MS)

NAAC Accredited by Grade 'A' with CGPA of 3.13 (Third Cycle), UGC Awarded Status of College with Potential for Excellence (Second Phase) Identified by DST, Govt. of India for FIST and Sant Gadge Baba Amravati University, Amravati as Lead College

Online One Month National Training Course on

Instrumental Techniques and Their Practical Applications for PG and Research Students

Duration : 1st August - 31st August, 2020

CERTIFICATE

This certificate is awarded to

Dr. SWAMINATH LAXMAN BHATTAR

Position : Research Scholar **Affiliation** : **Gogate-Jogalekar College Ratnagiri**

For the successful completion of the Online One Month National Training Course on

"Instrumental Techniques and Their Practical Applications for PG and Research Students"

as prescribed and ported by Department of Chemistry during 01st August - 31st August, 2020. He/She has successfully completed this online practical training course with practical and theoretical knowledge of IR, UV-VIS, GC, HPLC, GCMS, UV-DRS, ATOMIC ABSORPTION SPECTROPHOTOMETER, ICP-OES INSTRUMENTATION with **A+** *grade.*

Dr. Shrikant A. Wadhal, Course Co-oridnator | Prof. Dr. G. N. Chaudhari, Head of the Department | Dr. V. G. Thakare, Principal

Grade : 'A+' >=80 , 'A' >=65-79, 'B' > 50 - 64, No Certificate <50

Summary Report and Outcome

Value Based Course-2020

Summary

01/08/2020 to 31/08/2020

This course designed to give huge scope and ample opportunities in different industries like Food, pharmaceuticals, agrochemicals, fine chemicals, cosmetics, oil and paints perfumery, beverages, rubbers, plastics, clinical research, forensic, public testing labs, etc. The Department of Chemistry, Shri Shivaji Science College, Amravati organized this one month value based national training course for PG and research students from 01/08/2020 to 31/08/2020.Dr. Shrikant A. Wadhal, course coordinator, Mr. Amol Gawande, Scientist, Peaks Analytical and Research Centre, Nagpur, Dr. Amit Bansal, coordinator & Head SEAF & BDG, NEERI, Nagpur, Dr Atul Wankhade, Department of Chemistry, VNIT, Nagpur provided online training regarding some latest instruments like HPLC, Gas Chromatography, GCMS, Atomic absorption Spectrophotometer, IR, UV- VIS double beam, UV –DRS, Karl Fischer instrument, ICP-OES used in laboratories and various companies.

Total 174 participants from different colleges from India participated in this course, out of 174 participants 124 qualified this course.Certificates provided to students with A, B, C grade depending on score secured (A> 75%, B> 60, C > 50%) 40% marks depends on assignment submitted and attendance and 60% marks wil depends on final examination score

The course outcome achieved: To impart the required knowledge of Industrial Scope, Applications & Opportunities for Chemistry

- To impart the required knowledge, necessary skills & to provide the exposure to modern & sophisticated techniques of analysis that are being used all over the world including industries, government & public testing labs.
- Theoretical knowledge of HPLC, Gas chromatography, IR, UV-Visible, XRD, Atomic Absorption Spectrophotometer, GCMS, Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES), Karl Fischer instrument, UV diffraction equipments.

- Practical knowledge on HPLC, Gas Chromatography and IR, XRD and UV-Visible, Atomic Absorption Spectrophotometer, GCMS, Karl Fischer instrument, ICP-OES, UV diffraction equipments.
- To operate and to maintain the HPLC, GC and IR and XRD equipments.
- Instrumentation, Calibration and their practical applications in Industries.
- Wide courage will be given to Trouble shooting, Operation and method development skills.
- Perform cleaning evaluation on equipment for drug substance and residual detergents.
- Interactive sessions were engaged on zoom meeting .In these sessions interaction between participants and resource persons were held to solve difficulties regarding problems in the instrumentations.

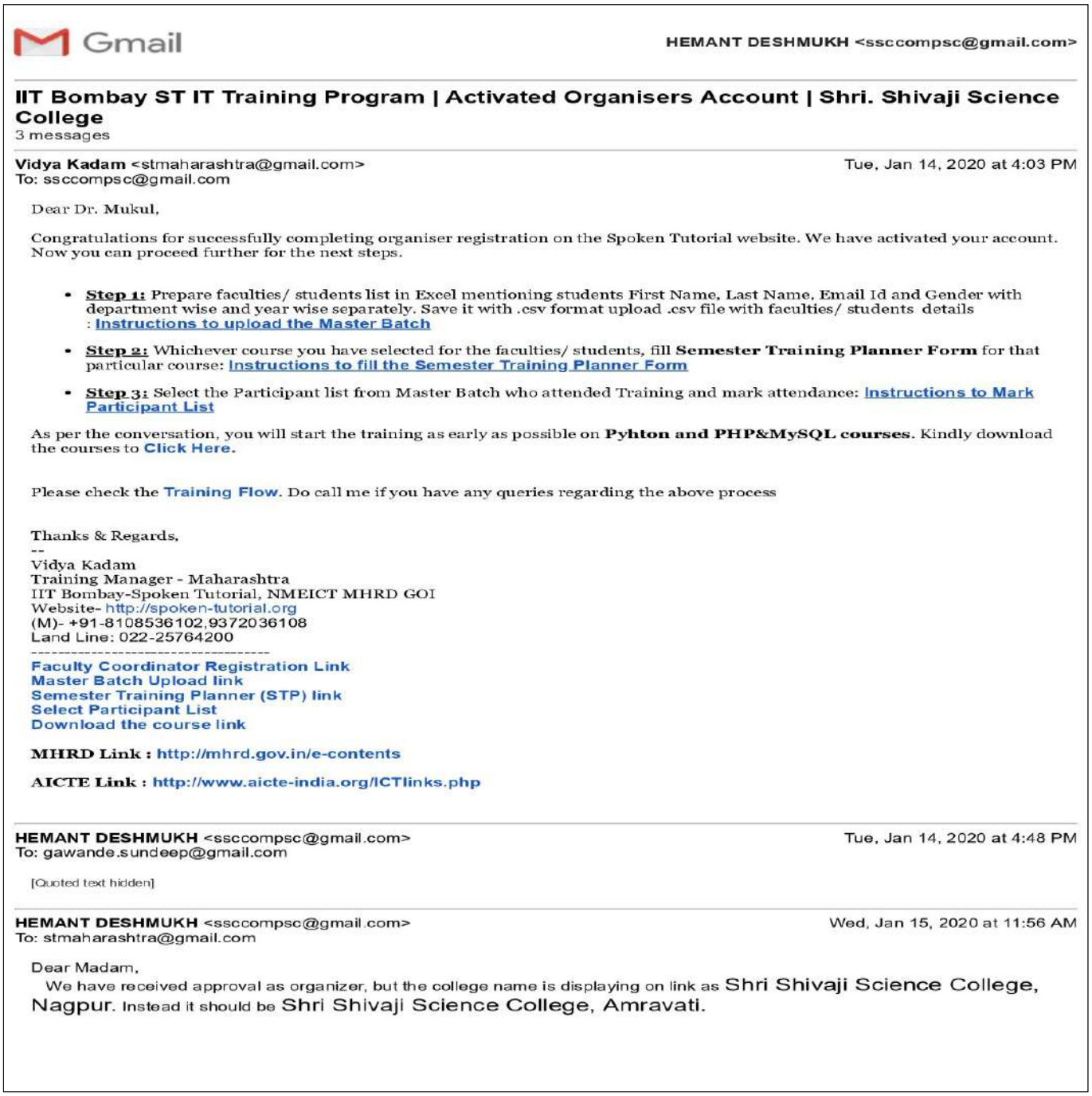
Course Coordinator, Head,

Prof. Shrikant A. Wadhal **Prof. G. N. Chaudhari**

Spoken Tutorial Certificate Course in PHP & MySQL

Dept. of Computer Science (Spoken Tutorial Certificate Course in PHP & MySQL)

Name and Duration of the Program



Gmail HEMANT DESHMUKH <ssccompsc@gmail.com>

IIT Bombay ST IT Training Program | Activated Organisers Account | Shri. Shivaji Science College
3 messages

Vidya Kadam <stmaharashtra@gmail.com> Tue, Jan 14, 2020 at 4:03 PM
To: ssccompsc@gmail.com

Dear Dr. Mukul,

Congratulations for successfully completing organiser registration on the Spoken Tutorial website. We have activated your account. Now you can proceed further for the next steps.

- **Step 1:** Prepare faculties/ students list in Excel mentioning students First Name, Last Name, Email Id and Gender with department wise and year wise separately. Save it with .csv format upload .csv file with faculties/ students details : Instructions to upload the Master Batch
- **Step 2:** Whichever course you have selected for the faculties/ students, fill **Semester Training Planner Form** for that particular course: Instructions to fill the Semester Training Planner Form
- **Step 3:** Select the Participant list from Master Batch who attended Training and mark attendance: Instructions to Mark Participant List

As per the conversation, you will start the training as early as possible on **Pyhton and PHP&MySQL courses**. Kindly download the courses to **Click Here.**

Please check the **Training Flow**. Do call me if you have any queries regarding the above process

Thanks & Regards,
--
Vidya Kadam
Training Manager - Maharashtra
IIT Bombay-Spoken Tutorial, NMEICT MHRD GOI
Website- http://spoken-tutorial.org
(M)- +91-8108536102,9372036108
Land Line: 022-25764200

Faculty Coordinator Registration Link
Master Batch Upload link
Semester Training Planner (STP) link
Select Participant List
Download the course link

MHRD Link : http://mhrd.gov.in/e-contents

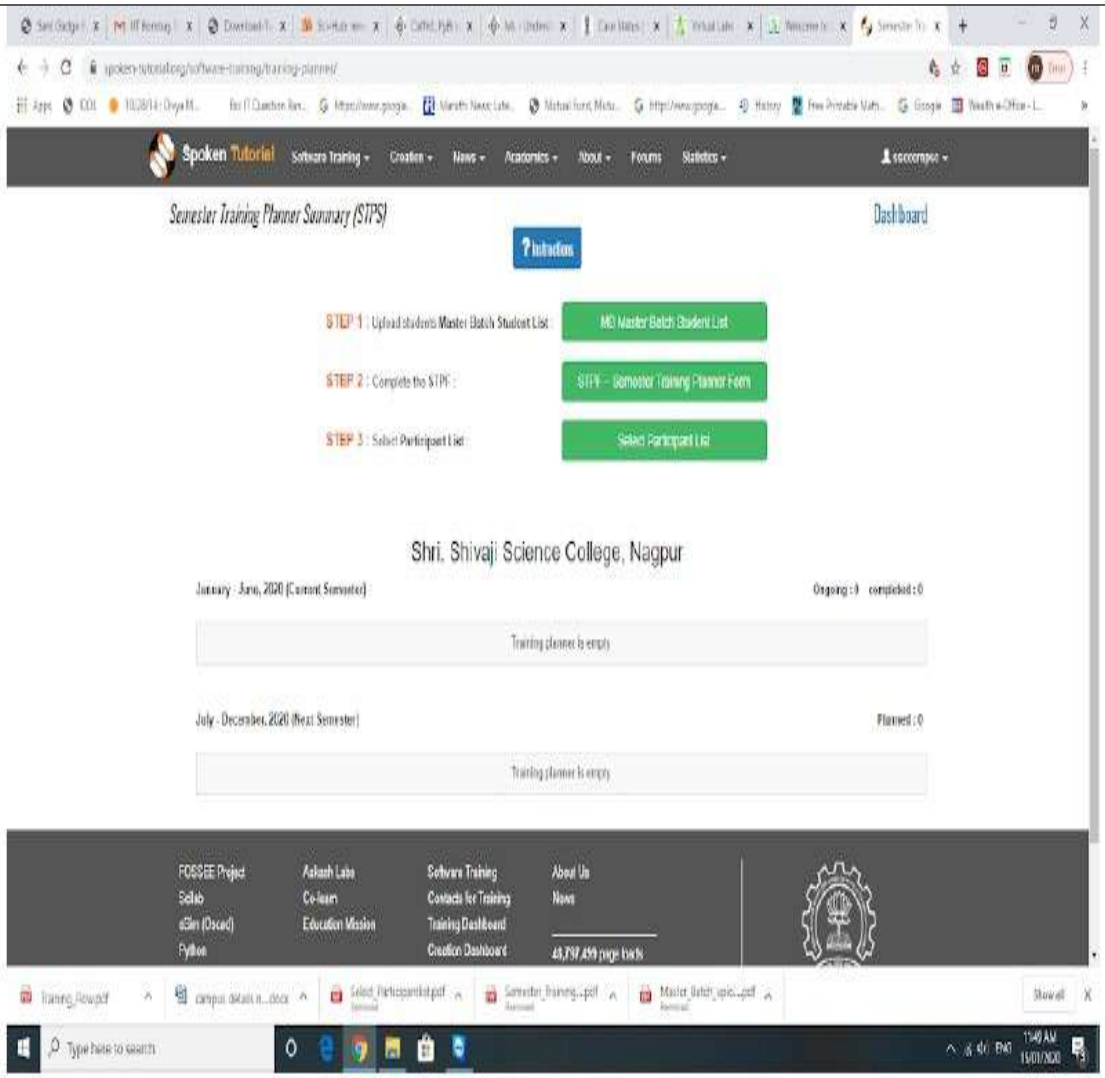
AICTE Link : http://www.aicte-india.org/ICTlinks.php

HEMANT DESHMUKH <ssccompsc@gmail.com> Tue, Jan 14, 2020 at 4:48 PM
To: gawande.sundeep@gmail.com

[Quoted text hidden]

HEMANT DESHMUKH <ssccompsc@gmail.com> Wed, Jan 15, 2020 at 11:56 AM
To: stmaharashtra@gmail.com

Dear Madam,
We have received approval as organizer, but the college name is displaying on link as Shri Shivaji Science College, Nagpur. Instead it should be Shri Shivaji Science College, Amravati.



Kindly look into the matter and make necessary changes. Please acknowledge once corrections made.
Thanking you.

With regards

Mukul Bhonde
Shri Shivaji Science College,
Amravati.
[Quoted text hidden]

List of the Student Enrolled and Attendance

Department of Computer Science

2019-2020

List of Enrolled and Course Completed Students

Course: Spoken Tutorial Certification Course

Institution Name
Shri Shivaji Science College, Maharashtra
Foss
PHP and MySQL
Date
14-03-2020
Participants Count
39
Organiser
ssccompsc
Dept.
B. Sc. Computer Science
Batch Year
2018

#	First Name	Last Name	Email Id	Score
1	ARATI	BARANGE	aratibarange09@gmail.com	37.5 (Fail)
2	DHANASHRI	BHUYAR	bhuyardhanashri17@gmail.com	45.8% - Certificate
3	SHUBHAM	BOROKAR	shubhamborokar07@gmail.com	38.9 (Fail)
4	MAYURI	ISAL	mayuriisal99@gmail.com	41.7% - Certificate
5	KAJAL	JAISWAL	jaiswalkajal006@gmail.com	40.3% - Certificate
6	DHANASHRI	KALE	dhanumkale90@gmail.com	51.4% - Certificate
7	APURVA	KOKATE	aak022018@gmail.com	48.6% - Certificate
8	PRACHI	KOLHE	prachikolhe24@gmail.com	31.9 (Fail)
9	TANUJA	NAKADE	tanujanakade6957@gmail.com	55.6% - Certificate
10	TRUSHAL	NAWALE	trushalnawale1999@gmail.com	51.4% - Certificate
11	VIBHUTI	PANDE	vibpande9021@gmail.com	47.2% - Certificate
12	VISHWAJEET	RAUT	vishwajeetraut68@gmail.com	52.8% - Certificate
13	ATHARVA	SARAF	atharvasaraf02@gmail.com	44.4% - Certificate
14	PRATIK	SHENDE	pratikshende8@gmail.com	55.6% - Certificate
15	VAIBHAV	TARALE	vaibhavtarale34@gmail.com	50.0% - Certificate
16	AARTI	THAKARE	aartithakare1999@gmail.com	45.8% - Certificate
17	PRIYANKA	WANKHADE	wankhadep823@gmail.com	50.0% - Certificate
18	VISHAKHA	WATANE	vishawatane@gmail.com	50.0% - Certificate
19	DIVYA	BORKHADE	divyaborkhade@gmail.com	54.2% - Certificate

20	SNEHA	KASHYAP	snehakashyap.422@gmail.com	41.7% - Certificate
21	PAYAL	POHANKAR	payalpohankar2000@gmail.com	51.4% - Certificate
22	SAYALI	RAKHONDE	rakhondesayali229@gmail.com	44.4% - Certificate
23	BHAGYASHRI	THAKRE	anaghathakre2@gmail.com	43.1% - Certificate
24	BHAGYASHRI	THORAT	samrudhithorat1@gmail.com	47.2% - Certificate
25	AISHWARYA	BHOPALE	aishwaryabhopale1234@gmail.com	31.9 (Fail)
26	DARSHAN	BOBADE	bobadedarshan@gmail.com	51.4% - Certificate
27	VAISHNAVI	BURGHATE	vaishnaviburghate2000@gmail.com	47.2% - Certificate
28	SNEHAL	GAWANDE	snehalgawande71@gmail.com	45.8% - Certificate
29	MANASI	NIMJE	manasinimje@gmail.com	50.0% - Certificate
30	NEHA	PATINGE	nehapatinge9@gmail.com	52.8% - Certificate
31	PRITI	PAUL	paulpreeti339@gmail.com	62.5% - Certificate
32	ANCHALI	PILLAI	anchalipillai4@gmail.com	43.1% - Certificate
33	T DEEPAKRAJ	R THOTTIAPPAN	tdeepakraj73@gmail.com	56.9% - Certificate
34	KUNAL	SAWARKAR	kunalsawarkar427@gmail.com	62.5% - Certificate
35	SARVESH	SUNE	sarveshsune@gmail.com	58.3% - Certificate
36	HARSHADA	TEKADE	harshadatekade442@gmail.com	51.4% - Certificate
37	SWARAJ	UMALE	swarajumale01@gmail.com	41.7% - Certificate
38	SNEHAL	WANKHADE	snehalwankhade0909@gmail.com	50.0% - Certificate
39	NANDINI	UMAP	nandiniumap2000@gmail.com	55.6% - Certificate

Curriculum and Time table

Shri Shivaji Science College, Amravati

2020-2021

Department of Computer Science

Syllabus

Course Title: Spoken Tutorial Certificate Course in PHP & MySQL

1. Introduction to PHP

Evaluation of Php, Basic Syntax, Defining variable and constant, Php Data type, Operator and Expression.

2. Decisions and loop

Making Decisions, Doing Repetitive task with looping, Mixing Decisions and looping with Html.

3. Function

What is a function, Define a function, Call by value and Call by reference, Recursive function, String Creating and accessing, String Searching & Replacing String, Formatting String, String Related Library function

4. Array

Anatomy of an Array, Creating index based and Associative array Accessing array, Element Looping with Index based array, Looping with associative array using each () and foreach(), Some useful Library function.

5. Handling Html Form with Php

Capturing Form, Data Dealing with Multi-value filed, and Generating File uploaded form, redirecting a form after submission.

6. Working with file and Directories

Understanding file& directory, Opening and closing, a file, Coping, renaming and deleting a file, working with directories, Creating and deleting folder, File Uploading & Downloading.

7. Session and Cookie

Introduction to Session Control, Session Functionality What is a Cookie, Setting Cookies with PHP. Using Cookies with Sessions, Deleting Cookies, Registering Session variables, Destroying the variables and Session.

Page 2 o

8. Database Connectivity with MySql

Introduction to RDBMS, Connection with MySql Database, Performing basic database operation(DML) (Insert, Delete, Update, Select), Setting query parameter, Executing queryJoin (Cross joins, Inner joins, Outer Joins, Self joins.)

9. Exception Handling

Understanding Exception and error, Try, catch, throw. Error tracking and debugging.

H.O.D.
Dr. H. M. Deshmukh
Head
Dept. of Computer Science
Shri Shivaji Science College,
Amravati.

Summary Report and Outcome

Shri Shivaji Science College, Amravati

2020-2021

Department of Computer Science

Summary Report

Course Title: Spoken Tutorial Certificate Course in PHP & MySQL

Course starting date: 1-Jan-2020
Course end date: 31- Mar -2020
Platform: Spoken-tutorial.org

Course Duration: 12-Weeks
Passing Criteria: 40% in each test
Registration Fee: FREE

The title of the course i.e., "**PHP & MySQL**" focuses on the basic programming knowledge of PHP. PHP is one of the widely used web designing language in current era. The course also contains the connectivity between PHP and MySQL.

Herewith we are very much pleased to summarize that we conducted the ad-on course on "PHP and MySQL" within the duration specified exactly. We also got the healthy response by students also. In this course total **39** students did their registration through Google Form. Among these 39 students **35** students successfully completed the course by passing in exam conducted at the end.

At the end all successful students got their certificates. It is very pleasing that we got very positive feedback from participated students.

H.O.D.
Dr. H. M. Deshmukh
Head
Dept. of Computer Science
Shri Shivaji Science College,
Amravati.

Shri Shivaji Science College, Amravati

2020-2021

Department of Computer Science

Course Outcome

Date: 6-Sept-2020

Course Title: Spoken Tutorial Certificate Course in PHP & MySQL

Course starting date: 1-Jan-2020
Course end date: 31- Mar -2020
Platform: Spoken-tutorial.org

Course Duration: 12-Weeks
Passing Criteria: 40% in each test
Registration Fee: FREE

Course Outcomes:

CO-1: Describe fundamentals of web
CO-2: Introduce the creation of static webpage using HTML
CO-3: Describe the importance of CSS in web development
CO-4: Describe the function of JavaScript as a dynamic webpage creating tool
CO-5: Distinguish PHP as a server-side programming language
CO-6: Outline the principles behind using MySQL as a backend DBMS with PHP

H.O.D.
Dr. H. M. Deshmukh
Head
Dept. of Computer Science
Shri Shivaji Science College,
Amravati.

Dept. of Computer Science (Spoken Tutorial Certificate Course in RDBMS & Postgress SQL)

List of the Students Enrolled and Attendance

Institution Name
Shri Shivaji Science College, Maharashtra
Foss
RDBMS PostgreSQL
Date
13-03-2020
Participants Count
53
Organiser
ssccompsc
Dept.
B. Sc. Computer Science
Batch Year
2018

#	First Name	Last Name	Email Id	Score
1	SAURAV	JADHAV	sauravjadhav698@gmail.com	82.5% - Certificate
2	SHIVANI	VAIDYA	vaidya17719@gmail.com	52.5% - Certificate
3	VAISHNAVI	PEDHEKAR	vaishnavipedhekar715@gmail.com	27.5 (Fail)
4	VAISHNAVI	TARHEKAR	vaishnavitarhekar13@gmail.com	52.5% - Certificate
5	DHANASHRI	GHURDE	dhanashrig7887@gmail.com	37.5 (Fail)
6	RUSHALI	WANKHADE	rushaliwankhade.2000@gmail.com	47.5% - Certificate
7	ADITEE	BOBADE	bobadeaditee@gmail.com	50.0% - Certificate
8	JANHAVI	PATEL	janhavipatel9296@gmail.com	50.0% - Certificate
9	SNEHAL	JALIT	snehaljalit6@gmail.com	47.5% - Certificate
10	GUNJAN	RAJGURE	gunjanrajgure18@gmail.com	25.0 (Fail)
11	VAIBHAVI	KALMEGH	vaibhavikalmegh@gmail.com	37.5 (Fail)
12	SAKSHI	WANGE	sakshiwange2001@gmail.com	45.0% - Certificate
13	CHANCHAL	CHALKHURE	chanchalchalkhure123@gmail.com	42.5% - Certificate
14	JANHAVI	DONGARE	janhavisdongare2000@gmail.com	47.5% - Certificate
15	GOPAL	JADHAO	gopaljadhao1999@gmail.com	47.5% - Certificate
16	ANURAG	MALEWAR	anuragmalewar257@gmail.com	52.5% - Certificate
17	AYUSH	TASARE	ayushtasare1908@gmail.com	57.5% - Certificate
18	VAISHNAVI	MOHOD	vaishnavimohod2000@gmail.com	62.5% - Certificate
19	BHUMIKA	GAWANDE	bhumikagawande28@gmail.com	42.5% - Certificate
20	ADESH	BAKALE	aadeshbakale00@gmail.com	55.0% - Certificate
21	DHIRAJ	KONDE	kondedhiraj603@gmail.com	47.5% - Certificate
22	TEJASWINI	TEKADE	metekade610@gmail.com	37.5 (Fail)
23	VAIDEHI	DHAMNIKAR	vdhamnikar7@gmail.com	37.5 (Fail)
24	SEJAL	KAPOOR	kapoorsejal815@gmail.com	40.0% - Certificate
25	RUTUJA	RAUT	rutujaraut1106@gmail.com	25.0 (Fail)
26	ANKITA	KOLHE	as.kolhe24@gmail.com	30.0 (Fail)
27	VAISHNAVI	DHOTE	vaishnavidhote274@gmail.com	57.5% - Certificate
28	VAISHNAVI	DESHMUKH	vaishnavideshmukh2805@gmail.com	37.5 (Fail)
29	APARNA	DABHADE	pallavidabhade1994@gmail.com	50.0% - Certificate
30	MANASWI	ROHANKAR	manaswirohankar11@gmail.com	40.0% - Certificate
31	SEJAL	DAVE	sejaldave45@gmail.com	47.5% - Certificate
32	SHREYATI	NARSINGKAR	shreyatinarsingkar29@gmail.com	52.5% - Certificate
33	RUDRANI	HERE	rudranihere29@gmail.com	57.5% - Certificate
34	RENUKA	INDURKAR	pradipindurkar31@gmail.com	60.0% - Certificate
35	TANAYA	WAGHADE	tanayasw18@gmail.com	42.5% - Certificate
36	PRATIKSHA	NAGE	nagepratiksha0@gmail.com	37.5 (Fail)
37	SHIVANI	KADU	shivanikadu99@gmail.com	42.5% - Certificate
38	SHREYA	MANGE	mangeshreya@gmail.com	50.0% - Certificate
39	TRUSHNA	CHATI	trushnachati@gmail.com	35.0 (Fail)
40	SAMRUDDHI	DESHMUKH	spd472000@gmail.com	57.5% - Certificate

41	SUYOG	YAWLE	suyogyawle12@gmail.com	47.5% - Certificate
42	OM	ASEGAONKAR	omasegaonkar123@gmail.com	47.5% - Certificate
43	BHAKTI	KAWARE	kawarebhakti@gmail.com	57.5% - Certificate
44	SHRADDHA	DEULKAR	shraddhadeulkar97@gmail.com	70.0% - Certificate
45	MONALI	CHIMANKAR	pankajchimankar21@gmail.com	32.5 (Fail)
46	ADITI	VIDHALE	vidhaleaditi001@gmail.com	30.0 (Fail)
47	PRAJWAL	GHOM	prajwalghom1312@gmail.com	42.5% - Certificate
48	KARUNA	KHANDERAO	karunakhanderao@gmail.com	45.0% - Certificate
49	SAYALI	JAIN	jainsayli951@gmail.com	42.5% - Certificate
50	ISHWARI	SARKATE	sarkateishwai05@gmail.com	27.5 (Fail)
51	GAYATRI	RATHI	gayatrirathi0810@gmail.com	32.5 (Fail)
52	RUTUJA	HARNE	rutujaharne30@gmail.com	30.0 (Fail)
53	RAJASHRI	DHAWALE	ranivdhawale999@gmail.com	42.5% - Certificate

Curriculum and Time table

Shri Shivaji Science College, Amravati

2020-2021

Department of Computer Science

Syllabus

Course Title: Spoken Tutorial Certificate Course in **RDBMS & PostgreSQL**

1. **Installing & managing PostgreSQL**

2. **Overview of PostgreSQL database**

3. **Using the psql client**

4. **Understanding PostgreSQL data types**
   - Numeric data types: Integer data types, Floating-point types,
   - Serial types: Character types, Binary data types
   - Date & time values
   - Boolean values
   - Array types
   - Other data types
5. **Understanding sequences**
   - Creating & managing indexes
   - Understanding PostgreSQL indexes
   - Partial indexes
   - Indexes on expressions

6. **Advanced SQL Functions**
   - Using Common Table Expressions (CTE)
   - Using Window Functions
   - Using Regular Expressions
   - Using Recursive Queries

7. **Writing triggers stored procedures with PL/pgSQL**
   - Variables in procedures
   - Performing loop operations
   - The PERFORM and EXECUTE statements
   - Triggers in PostgreSQL

H.O.D.
Dr. H. M. Deshmukh
Head
Dept. of Computer Science
Shri Shivaji Science College,
Amravati.

Assessment



Spoken Tutorial

Certificate for Completion of RDBMS PostgreSQL Training

This is to certify that **ADITEE BOBADE** has successfully completed **RDBMS PostgreSQL** test organized at **Shri Shivaji Science College** by **Mukul Bhonde** with course material provided by the Spoken Tutorial Project, IIT Bombay.

Passing an online exam, conducted remotely from IIT Bombay, is a pre-requisite for completing this training. **Dr. Ujwala Junghare** at **Shri Shivaji Science College** invigilated this examination. This training is offered by the **Spoken Tutorial Project, IIT Bombay, funded by National Mission on Education through ICT, MHRD, Govt., of India.**

March 13th 2020

Prof. Kannan M Moudgalya
IIT Bombay

2356142BQ5

Summary Report and Outcome

Shri Shivaji Science College, Amravati

2020-2021

Department of Computer Science

Summary Report

Course Title: Spoken Tutorial Certificate Course in **RDBMS & PostgreSQL**

Course starting date: 1-Jan-2020
Course end date: 31- Mar -2020
Platform: Spoken-tutorial.org

Course Duration: 12-Weeks
Passing Criteria: 40% in each test
Registration Fee: FREE

The title of the course i.e., "**RDBMS & PostgreSQL**" focuses on the basic concepts of relational database management system. Participant can learn one of the most widely used relational database management system called "PostgreSQL" through this course.

Herewith we are very much pleased to summarize that we conducted the ad-on course on "PHP and MySQL" within the duration specified exactly. We also got the healthy response by students also. In this course total **53** students did their registration through Google Form. Among these 53 students **37** students successfully completed the course by passing in exam conducted at the end.

At the end all successful students got their certificates. It is very pleasing that we got very positive feedback from participated students.

H.O.D.
Dr. H. M. Deshmukh
Head
Dept. of Computer Science
Shri Shivaji Science College,
Amravati.

Shri Shivaji Science College, Amravati

2020-2021

Department of Computer Science

Course Outcome

Date: 6-Sept-2020

Course Title: Spoken Tutorial Certificate Course in **RDBMS & PostgreSQL**

Course starting date: 1-Jan-2020
Course end date: 31- Mar -2020
Platform: Spoken-tutorial.org

Course Duration: 12-Weeks
Passing Criteria: 40% in each test
Registration Fee: FREE

Course Outcomes:

CO 1: Solve real world problems using appropriate set, function, and relational models.
CO 2: Design E-R Model for given requirements and convert the same into database tables.
CO 3: Useage of SQL
CO 4: Devise pseudo codes and flowchart for computational problems.
CO 5: Write, debug and execute simple programs in 'C'.
CO 6: Create database tables in postgreSQL.
CO 7: Write and execute simple, nested queries.

H.O.D.
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Dept. of Computer Science
Shri Shivaji Science College,
Amravati.

Dept. of Computer Science (Spoken Tutorial Certificate Course in C)

List of the Students Enrolled and Attendance

#	First Name	Last Name	Email Id
1	SAKSHI	RAKHONDE	sakshirakhonde001@gmail.com
2	PALLAVI	MALVE	malvepallavi03@gmail.com
3	NIKITA	CHANDIWALE	nikitachandiwale@gmail.com
4	RUTUJA	DESHMUKH	drutuja57@gmail.com
5	POOJA	VARMA	poojapv075@gmail.com
6	RAKESH	ZAMDE	rakzamde@gmail.com
7	VAIBHAV	BAYASKAR	vaibhavbayaskar5@gmail.com
8	HARSH	PANDEY	harshpandey1801@gmail.com
9	KALYANI	KHOND	kalyanikhond@gmail.com
10	SWATI	AYATE	swatiayate21@gmail.com
11	ASRA	HUSSAIN	asrahussain0206@gmail.com
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15	KRUTARTHA	YAWALE	krutarth123.ky@gmail.com
16	SHRIJEET	YEOLE	shrijeetyeole2@gmail.com
17	NAYAN	SONKAR	sonkarnd73a@gmail.com
18	HARSHAL	PANPATIL	harshalpanpatil14@gmail.com
19	SAKSHI	THAKARE	thakaresakshi648@gmail.com
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21	SAKSHI	THOSAR	sakshicthosar@gmail.com
22	CHINMAYI	DIXIT	chinmayid2810@gmail.com
23	AKSHAY	DHUMAL	akshaydhumal19200@gmail.com
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25	KOMAL	KASHANI	komalkashani2002@gmail.com
26	SAKSHI	NIRGULE	sakshinirgule2002@gmail.com
27	SIDDHESH	GAWANDE	siddheshgawande0903@gmail.com
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24	VAIDEHI	DHAMNIKAR	vdhamnikar7@gmail.com
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34	RUDRANI	HERE	rudranihere29@gmail.com
35	RENUKA	INDURKAR	pradipindurkar31@gmail.com
36	TANAYA	WAGHADE	tanayasw18@gmail.com
37	PRATIKSHA	NAGE	nagepratiksha0@gmail.com
38	SHIVANI	KADU	shivanikadu99@gmail.com
39	TRUSHNA	CHATI	trushnachati@gmail.com
40	SAMRUDDHI	DESHMUKH	spd472000@gmail.com
41	SUYOG	YAWLE	suyogyawle12@gmail.com
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45	ADITI	VIDHALE	vidhaleaditi001@gmail.com

Curriculum and Time table

Shri Shivaji Science College, Amravati

2020-2021

Department of Computer Science

Syllabus

Course Title: Spoken Tutorial Certificate Course in "C"

Unit-1: Introduction to Programming in C 15 Lectures

- 1.1 History
- 1.2 Compilers and Interpreters
- 1.3 Algorithms
- 1.4 Flowcharts
- 1.5 Structure of a C program
- 1.6 C Tokens
  - 1.6.1 Keywords
  - 1.6.2 Variables
  - 1.6.3 Primary Data types
  - 1.6.4 Operators
- 1.7 Formatted I/O Statement
- 1.8 Unformatted I/O Statement

UNIT-2: Controlling Statement 10 Lectures

- 2.1 Decision Making Statement
  - 2.1.1 If Statement
  - 2.1.2 If- else Statement
  - 2.1.3 Nested if –else Statement
  - 2.1.4 Else if Ladder Statement
  - 2.1.5 Switch Statement
- 2.2 Loop Statement
  - 2.2.1 For Loop
  - 2.2.2 While Loop
  - 2.2.3 Do-while Loop
  - 2.2.4 Nested for Loop
- 2.3 Break, goto and Continue

UNIT-3 Function in C

- 3.1 Functions in C
- 3.2 What is a function?
- 3.3 User defined functions
  - 3.3.1 Declaration
  - 3.3.2 Definition
  - 3.3.3 Function calling
- 3.4 Recursion

UNIT-4 Array and Structure

4.1 Arrays
4.2 Array declaration, initialization
4.3 One dimensional Array
4.4 Two-dimensional Array
4.5 Standard String library functions
4.6 Creating structures
4.7 Accessing structure members (dot Operator)
4.8 Unions

H.O.D.
Dr. H. M. Deshmukh
Head
Dept. of Computer Science
Shri Shivaji Science College,
Amravati.

Assessment

#	First Name	Last Name	Email Id	Score
1	SAKSHI	RAKHONDE	sakshirakhonde001@gmail.com	55.0% - Certificate
2	PALLAVI	MALVE	malvepallavi03@gmail.com	35.0 (Fail)
3	NIKITA	CHANDIWALE	nikitachandiwale@gmail.com	30.0 (Fail)
4	RUTUJA	DESHMUKH	drutuja57@gmail.com	42.5% - Certificate
5	POOJA	VARMA	poojapv075@gmail.com	55.0% - Certificate
6	RAKESH	ZAMDE	rakzamde@gmail.com	57.5% - Certificate
7	VAIBHAV	BAYASKAR	vaibhavbayaskar5@gmail.com	32.5 (Fail)
8	HARSH	PANDEY	harshpandey1801@gmail.com	60.0% - Certificate
9	KALYANI	KHOND	kalyanikhond@gmail.com	47.5% - Certificate
10	SWATI	AYATE	swatiayate21@gmail.com	35.0 (Fail)
11	ASRA	HUSSAIN	asrahussain0206@gmail.com	30.0 (Fail)
12	KOMAL	ADHAU	komaladhau16@gmail.com	17.5 (Fail)
13	TEJASWINI	PATIL	metejupatil1@gmail.com	22.5 (Fail)
14	TANVI	DHAWANE	tanvidhawane9@gmail.com	40.0% - Certificate
15	KRUTARTHA	YAWALE	krutarth123.ky@gmail.com	25.0 (Fail)
16	SHRIJEET	YEOLE	shrijeetyeole2@gmail.com	62.5% - Certificate
17	NAYAN	SONKAR	sonkarnd73a@gmail.com	67.5% - Certificate
18	HARSHAL	PANPATIL	harshalpanpatil14@gmail.com	65.0% - Certificate
19	SAKSHI	THAKARE	thakaresakshi648@gmail.com	37.5 (Fail)
20	SEJAL	DETHE	sejaldethe08@gmail.com	7.5 (Fail)
21	SAKSHI	THOSAR	sakshicthosar@gmail.com	25.0 (Fail)
22	CHINMAYI	DIXIT	chinmayid2810@gmail.com	55.0% - Certificate
23	AKSHAY	DHUMAL	akshaydhumal19200@gmail.com	50.0% - Certificate
24	VEDANGI	SHIRBHATE	vedangishirbhate292001@gmail.com	27.5 (Fail)
25	KOMAL	KASHANI	komalkashani2002@gmail.com	42.5% - Certificate
26	SAKSHI	NIRGULE	sakshinirgule2002@gmail.com	55.0% - Certificate
27	SIDDHESH	GAWANDE	siddheshgawande0903@gmail.com	37.5 (Fail)
28	SAKSHI	PATIL	sakshipatil7666@gmail.com	37.5 (Fail)
29	VAISHNAVI	KALE	vaishnavikale1515@gmail.com	27.5 (Fail)
30	SHREYA	PANDEY	shreyapande02@gmail.com	22.5 (Fail)
31	ANIKET	PAYGHAN	aniketspayghan@gmail.com	37.5 (Fail)
32	RUCHIKA	BARASKAR	ruchikabaraskar2001@gmail.com	55.0% - Certificate
33	HRUSHIKESH	NAKAT	hrushikeshnakat191@gmail.com	40.0% - Certificate
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35	SAKSHI	ANASANE	sakshianasane2002@gmail.com	35.0 (Fail)
36	SAMIKSHA	WANKHADE	samikshaw48@gmail.com	22.5 (Fail)
37	PUSHYASURAJ	JANBANDHU	pushwright3256@gmail.com	62.5% - Certificate
38	SANKET	JAGDALE	sanjagdale92@gmail.com	60.0% - Certificate
39	SHUBHANGI	RAUT	shubhangiraut205@gmail.com	20.0 (Fail)

#	First Name	Last Name	Email Id	Score
1	SAURAV	JADHAV	sauravjadhav698@gmail.com	67.5% - Certificate
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4	VAISHNAVI	TARHEKAR	vaishnavitarhekar13@gmail.com	32.5 (Fail)
5	DHANASHRI	GHURDE	dhanashrig7887@gmail.com	35.0 (Fail)
6	RUSHALI	WANKHADE	rushaliwankhade.2000@gmail.com	30.0 (Fail)
7	ADITEE	BOBADE	bobadeaditee@gmail.com	22.5 (Fail)
8	SHWETA	RANE	shwetarane776@gmail.com	45.0% - Certificate
9	SNEHAL	JALIT	snehaljalit6@gmail.com	40.0% - Certificate
10	GUNJAN	RAJGURE	gunjanrajgure18@gmail.com	30.0 (Fail)
11	VAIBHAVI	KALMEGH	vaibhavikalmegh@gmail.com	55.0% - Certificate
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15	JANHAVI	DONGARE	janhavisdongare2000@gmail.com	42.5% - Certificate
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17	GOPAL	JADHAO	gopaljadhao1999@gmail.com	40.0% - Certificate
18	ANURAG	MALEWAR	anuragmalewar257@gmail.com	22.5 (Fail)
19	AYUSH	TASARE	ayushtasare1908@gmail.com	40.0% - Certificate
20	VAISHNAVI	MOHOD	vaishnavimohod2000@gmail.com	37.5 (Fail)
21	BHUMIKA	GAWANDE	bhumikagawande28@gmail.com	42.5% - Certificate
22	ADESH	BAKALE	aadeshbakale00@gmail.com	52.5% - Certificate
23	TEJASWINI	TEKADE	metekade610@gmail.com	25.0 (Fail)
24	VAIDEHI	DHAMNIKAR	vdhamnikar7@gmail.com	45.0% - Certificate
25	RUTUJA	RAUT	rutujaraut1106@gmail.com	30.0 (Fail)
26	ANKITA	KOLHE	as.kolhe24@gmail.com	42.5% - Certificate
27	VAISHNAVI	DHOTE	vaishnavidhote274@gmail.com	50.0% - Certificate
28	VAISHNAVI	DESHMUKH	vaishnavideshmukh2805@gmail.com	32.5 (Fail)
29	PAYAL	PARALIKAR	payalparalikar@gmail.com	27.5 (Fail)
30	APARNA	DABHADE	pallavidabhade1994@gmail.com	47.5% - Certificate
31	MANASWI	ROHANKAR	manaswirohankar11@gmail.com	62.5% - Certificate
32	SEJAL	DAVE	sejaldave45@gmail.com	37.5 (Fail)
33	SHREYATI	NARSINGKAR	shreyatinarsingkar29@gmail.com	55.0% - Certificate
34	RUDRANI	HERE	rudranihere29@gmail.com	32.5 (Fail)
35	RENUKA	INDURKAR	pradipindurkar31@gmail.com	37.5 (Fail)
36	TANAYA	WAGHADE	tanayasw18@gmail.com	27.5 (Fail)
37	PRATIKSHA	NAGE	nagepratiksha0@gmail.com	22.5 (Fail)
38	SHIVANI	KADU	shivanikadu99@gmail.com	40.0% - Certificate
39	TRUSHNA	CHATI	trushnachati@gmail.com	35.0 (Fail)
40	SAMRUDDHI	DESHMUKH	spd472000@gmail.com	27.5 (Fail)
41	SUYOG	YAWLE	suyogyawle12@gmail.com	17.5 (Fail)

42	BHAKTI	KAWARE	kawarebhakti@gmail.com	42.5% - Certificate
43	SHRADDHA	DEULKAR	shraddhadeulkar97@gmail.com	47.5% - Certificate
44	MONALI	CHIMANKAR	pankajchimankar21@gmail.com	25.0 (Fail)
45	ADITI	VIDHALE	vidhaleaditi001@gmail.com	12.5 (Fail)



Spoken Tutorial

Certificate for Completion of C Training

This is to certify that **NAYAN SONKAR** has successfully completed **C** test organized at **Shri Shivaji Science College** by **Mukul Bhonde** with course material provided by the Spoken Tutorial Project, IIT Bombay.

Passing an online exam, conducted remotely from IIT Bombay, is a pre-requisite for completing this training. **Dr. Ujwala Junghare** at **Shri Shivaji Science College** invigilated this examination. This training is offered by the **Spoken Tutorial Project, IIT Bombay, funded by National Mission on Education through ICT, MHRD, Govt., of India.**

March 13th 2020

Prof. Kannan M Moudgalya
IIT Bombay

23674859KE

Summary Report and Outcome

Shri Shivaji Science College, Amravati

2020-2021

Department of Computer Science

Summary Report

Course Title: Spoken Tutorial Certificate Course in "C"

Course starting date: 1-Jan-2020
Course end date: 31- Mar -2020
Platform: Spoken-tutorial.org

Course Duration: 12-Weeks
Passing Criteria: 40% in each test
Registration Fee: FREE

The title of the course i.e., "**C**" focuses on learning basic syntaxes of programming language C. The Programming language 'C' is called as the mother of all computer programming language. Hence, this course we can say one of the mandatory prerequisite course for those who want to learn programming or Software Development.

Herewith we are very much pleased to summarize that we conducted the ad-on course on "PHP and MySQL" within the duration specified exactly. We also got the healthy response by students also. In this course total **84** students did their registration through Google Form. Among these 84 students **38** students successfully completed the course by passing in exam conducted at the end.

At the end all successful students got their certificates. It is very pleasing that we got very positive feedback from participated students.

H.O.D.
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Shri Shivaji Science College,
Amravati.

Shri Shivaji Science College, Amravati

2020-2021

Department of Computer Science

Course Outcome

Date: 6-Sept-2020

Course Title: Spoken Tutorial Certificate Course in "C"

Course starting date: 1-Jan-2020
Course end date: 31- Mar -2020
Platform: Spoken-tutorial.org

Course Duration: 12-Weeks
Passing Criteria: 40% in each test
Registration Fee: FREE

Course Outcomes:

CO-1: Read, understand and trace the execution of programs written in C language.
CO-2: Write the C code for a given algorithm.
CO-3: Implement Programs with pointers and arrays, perform pointer arithmetic, and use the pre-processor.
CO-4: Write programs that perform operations using derived data types.

H.O.D.
Dr. H. M. Deshmukh
Head
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Dept. of Computer Science Spoken Tutorial Certificate Course in JAVA)

List of the Students Enrolled and Attendance

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Curriculum and Time table

Shri Shivaji Science College, Amravati

2020-2021

Department of Computer Science

Syllabus

Course Title: Spoken Tutorial Certificate Course in "**Java**"

Unit-1: Introduction and Overview of Java Language

1.1 Java History
1.2 Java Features
1.3 How Java Differ from C and C++
1.4 JVM
1.5 Java Environment
1.6 Java Programming Structure
1.7 Java Tokens, Variables, Constants and Data types
1.8 Control Structure
    1.8.1 Conditional Statements
    1.8.2 Looping Statements
    1.8.3 Jumping Statements
1.9 Arrays

Unit-2: Classes, Objects and Methods

2.1 Defining Class, Fields Declaration, Methods Declaration, Creating Objects
2.2 Visibility controls
2.3 Use of 'this' Keyword
2.4 Method Parameters and Method Overloading
2.5 Constructor and Constructor Overloading
2.6 Static Members
2.7 Finializer Method
2.8 Inheritance and It's Types
2.9 Method Overriding
2.10 Final Variable, Method and Final Class

UNIT-3: Interface, Package and Exception Handling

3.1 Defining and implementing interface
3.2 Package
    3.2.1 Create Package
    3.2.2 Accessing Package
3.3 Exception
    3.3.1 Types of Error
    3.3.2 Multiple catch statement
    3.3.3 Creating User defined Exception
    3.3.4 Finally clause

UNIT-4: String, Stream and Applet Programming

4.1 Introduction and String Classes
4.2 StringBuffer Class
4.3 Stream Classes
    4.3.1Types of Streams
    4.3.2 Byte Stream Classes
    4.3.3 Character Stream Classes
4.4 Introduction and creating Applets
4.5 Applet Life Cycle
4.6 Applet Tag
4.7 Passing Parameters to Applets

H.O.D.
Dr. H. M. Deshmukh
Head
Dept. of Computer Science
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Assessment

Institution Name
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Date
07-03-2020
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This is to certify that **ANIKET MORE** has successfully completed **Java** test organized at **Shri Shivaji Science College** by **Mukul Bhonde** with course material provided by the Spoken Tutorial Project, IIT Bombay.

Passing an online exam, conducted remotely from IIT Bombay, is a pre-requisite for completing this training. **Sundeep Gawande** at **Shri Shivaji Science College** invigilated this examination. This training is offered by the **Spoken Tutorial Project, IIT Bombay, funded by National Mission on Education through ICT, MHRD, Govt., of India.**

March 5th 2020

Prof. Kannan M Moudgalya
IIT Bombay

23661653HJ

Summary Report and Outcome

Shri Shivaji Science College, Amravati

2020-2021

Department of Computer Science

Summary Report

Course Title: Spoken Tutorial Certificate Course in "**Java**"

Course starting date: 1-Jan-2020
Course end date: 31- Mar -2020
Platform: Spoken-tutorial.org

Course Duration: 12-Weeks
Passing Criteria: 40% in each test
Registration Fee: FREE

The title of the course i.e., "**Java**" focuses on learning basic syntaxes of programming language Java. The Programming language 'Java' is the basic language for doing he object oriented programming. The programming languages those are used now a days in software development making use of almost all features of Java language.

Herewith we are very much pleased to summarize that we conducted the ad-on course on "PHP and MySQL" within the duration specified exactly. We also got the healthy response by students also. In this course total **148** students did their registration through Google Form. Among these 148 students **26** students successfully completed the course by passing in exam conducted at the end.

At the end all successful students got their certificates. It is very pleasing that we got very positive feedback from participated students.

H.O.D.
Dr. H. M. Deshmukh
Head
Dept. of Computer Science
Shri Shivaji Science College,
Amravati.

Shri Shivaji Science College, Amravati

2020-2021

Department of Computer Science

Course Outcome

Date: 6-Sept-2020

Course Title: Spoken Tutorial Certificate Course in "**Java**"

Course starting date: 1-Jan-2020
Course end date: 31- Mar -2020
Platform: Spoken-tutorial.org

Course Duration: 12-Weeks
Passing Criteria: 40% in each test
Registration Fee: FREE

Course Outcomes:

CO-1: Write, compile, and execute Java programs that may include basic data types and control flow constructs using J2SE or other Integrated Development Environments (IDEs) such as Eclipse, NetBeans, and JDeveloper. ()
CO-2: Write, compile and execute Java programs using object oriented class structures with parameters, constructors, and utility and calculations methods, including inheritance, test classes and exception handling. ()
CO-3: Write, compile, and execute Java programs using arrays and recursion. ()
CO-4: Write, compile, and execute Java programs manipulating Strings and text documents. ()
CO-5: Write, compile, execute Java programs that include GUIs and event driven programming. ()
CO-6: Write a final project that may be selected from among the following: applets for inclusion in web pages; applets to access enterprise data bases in robust, enterprise three level applications; secure communications over the internet; or an approved project chosen by the student. ()

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Dept. of Computer Science (Spoken Tutorial Certificate Course in Advanced CPP)

List of the Students Enrolled and Attendance

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Curriculum and Time table

Shri Shivaji Science College, Amravati

2020-2021

Department of Computer Science

Syllabus

Course Title: Spoken Tutorial Certificate Course in "**Advanced CPP**"

Unit-1: Introduction
Concept, Benefits and Application of OOP, Structure of C++ Programming, Tokens, expressions and control structures keywords, identifiers, data types and operators in C++.

Unit-2: Functions in C++
Main Function, Function Prototyping, Call by reference, Return by reference, Inline Functions, Default arguments, Function overloading, Friend and Virtual functions.

Unit-3: Class and Objects
Classes, specifying a class, Defining Member Functions, making outside function inline, Nesting of Member Functions, private member functions, Arrays within a class, Friend classes, Static class members, Nested classes, Memory allocation for objects, Array to objects, Objects as function arguments.

Unit-4: Constructors and Destructors
Constructors, Parameterized constructors, Multiple constructors in a class, constructors with Default arguments, Dynamic initialization of objects, Copy constructors, dynamic constructors, Destructors.

Unit-5: Operator overloading and Type conversion
Defining operator overloading, overloading unary operators, overloading binary operators, overloading binary operators using friends, Manipulation of Strings using operators, Type conversions.

Unit-6: Inheritance, Pointers, Virtual functions and Polymorphism
Single, Multilevel multiple, hierarchical and hybrid inheritance, Virtual base classes, Abstract classes, Pointer to objects, pointer to derived class.

H.O.D.
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Head
Dept. of Computer Science
Shri Shivaji Science College,
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Assessment

Institution Name
Shri Shivaji Science College, Maharashtra
Foss
Advanced Cpp
Date
06-03-2020
Participants Count
24
Organiser
ssccompsc
Dept.
M.Sc. Computer Science
Batch Year
2018

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Institution Name

Shri Shivaji Science College, Maharashtra

Foss

Advanced Cpp

Date

06-03-2020

Participants Count

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Organiser

ssccompsc

Dept.

M.Sc. Computer Science

Batch Year

2019

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Batch Year
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34	NIKITA	INGLE	inglenikita2000@gmail.com	15.0 (Fail)
35	NILAM	MADANKAR	madankarnilam@gmail.com	35.0 (Fail)
36	NISHANT	DESAI	nishantdesai1000@gmail.com	25.0 (Fail)
37	PALLAVI	SAKHARKAR	pallavisakharkar293@gmail.com	45.0% - Certificate
38	PARIGHA	WARHEKAR	parighawarhekar99@gmail.com	40.0% - Certificate

39	PAWAN	GHARAD	pawanpatil13820@gmail.com	50.0% - Certificate
40	PRAFUL	ROKADE	prafulrokade1234@gmail.com	35.0 (Fail)
41	PRAJWAL	BONDE	praajwalbonde@gmail.com	35.0 (Fail)
42	PUNAM	BHAGAT	bhagatpunam18@gmail.com	20.0 (Fail)
43	PURVA	GIRULKAR	purvagirulkar38@gmail.com	35.0 (Fail)
44	RAM	GORE	goreram50@gmail.com	30.0 (Fail)
45	RASIKA	PATIL	rasikagpatil2000@gmail.com	55.0% - Certificate
46	RAVINA	GULHANE	ravinagulhane99@gmail.com	15.0 (Fail)
47	RUSHIKESH	GHURDE	rushikeshghurde10@gmail.com	15.0 (Fail)
48	RUTIK	GAHUKAR	gahukarrutik988@gmail.com	20.0 (Fail)
49	RUTUJA	LAVHALE	rutujalavhale2000@gmail.com	35.0 (Fail)
50	RUTWIK	NARNAWARE	rutwiknarnaware29@gmail.com	40.0% - Certificate
51	SAHIL	TIKAIT	sahiltikait2@gmail.com	50.0% - Certificate
52	SAKSHI	CHAUDHARI	sakshichaudhari099@gmail.com	55.0% - Certificate
53	SAKSHI	WANKHADE	sakshiwankhade26@gmail.com	25.0 (Fail)
54	SANVIDH	KUKADE	kukadesanvidh131@gmail.com	20.0 (Fail)
55	SAURABH	SAPKAL	sapkalsaurabh8@gmail.com	5.0 (Fail)
56	SHIVAM	CHAUDHARI	shivamchaudhari29@gmail.com	40.0% - Certificate
57	SHIVAM	GAIKWAD	shivamgaikwad55@gmail.com	70.0% - Certificate
58	SHIVANI	GHOM	shivanighom22@gmail.com	20.0 (Fail)
59	SHRADDHA	KALE	shraddhakale491@gmail.com	40.0% - Certificate
60	SHREYA	KHANDALKAR	shreyakhandalkar17@gmail.com	20.0 (Fail)
61	SHRUTI	DURGBUNS	durgbunsshruti@gmail.com	35.0 (Fail)
62	SURAJ	SAMBHE	surajsambhe16@gmail.com	50.0% - Certificate
63	TEJAL	RAUT	tejalraut46@gmail.com	35.0 (Fail)
64	TEJAS	UMAK	tejasumak5@gmail.com	30.0 (Fail)
65	TEJASWINI	KUKADE	tejukukade17@gmail.com	65.0% - Certificate
66	VAIBHAV	DABHADE	vdabhade543@gmail.com	20.0 (Fail)
67	VAISHNAVI	REKHATE	rekhate.vaishnavi1720@gmail.com	80.0% - Certificate
68	VINAY	LENDE	vlende66@gmail.com	30.0 (Fail)
69	VISHAL	PANDE	pandevishal40@gmail.com	35.0 (Fail)
70	VIVEK	ROY	vivekroy0077@gmail.com	25.0 (Fail)
71	YASH	SHARMA	yash91581@gmail.com	45.0% - Certificate
72	YASHASHRI	GAWANDE	yashashrigawande2018@gmail.com	40.0% - Certificate
73	YASHJEET	RAWALE	yashjeetrawale22feb@gmail.com	20.0 (Fail)
74	SAGAR	GANDHE	gandhesagar2540@gmail.com	45.0% - Certificate

Institution Name
Shri Shivaji Science College, Maharashtra
Foss
Advanced Cpp
Date
04-03-2020
Participants Count
51
Organiser
ssccompsc
Dept.
B.Sc. Computer Science
Batch Year
2017

#	First Name	Last Name	Email Id	Score
1	ADITI	ROTE	adirote1999@gmail.com	50.0% - Certificate
2	AKHILESH	PACHHEL	apachhel@gmail.com	20.0 (Fail)
3	ANIKET	MAHALLE	mahalleaniket22@gmail.com	45.0% - Certificate
4	ANJALI	DAKHORE	anjalidakhore2508@gmail.com	25.0 (Fail)
5	ANKITA	BARWAL	abarwal760@gmail.com	15.0 (Fail)
6	ANUSHRI	KSHIRSAGAR	anushrikshirsagar2016@gmail.com	65.0% - Certificate
7	APURVA	KEKRE	askekre1@gmail.com	55.0% - Certificate
8	DHANASHRI	KALE	dhanashrikale9140@gmail.com	20.0 (Fail)
9	GAYATRI	DAWANE	gayatridawane1999@gmail.com	45.0% - Certificate
10	ISHWARI	MHALASANE	imalasane@gmail.com	35.0 (Fail)
11	KOMAL	MODAK	komalmodak2000@gmail.com	30.0 (Fail)
12	KOMAL	HIWARALE	hiwarale2019@gmail.com	55.0% - Certificate
13	MINAL	SATPUTE	minalsatpute98@gmail.com	30.0 (Fail)
14	MRUNALI	WADI	mrunaliwadi@gmail.com	30.0 (Fail)
15	PRANAV	GOHAD	pranavgohad04@gmail.com	45.0% - Certificate
16	PRATIBHA	NAWALKAR	nawalkarpratibha26@gmail.com	45.0% - Certificate
17	RESHMA	RATHOD	reshmarathod1099@gmail.com	40.0% - Certificate
18	REVATI	DESHMUKH	revadeshmukh1999@gmail.com	20.0 (Fail)
19	RITESH	PEDHEKAR	riteshpedhekar999@gmail.com	5.0 (Fail)
20	ROHIT	DONGARE	rohitdongare1999@gmail.com	40.0% - Certificate
21	RUTUJA	DALVI	rutujadalvi80@gmail.com	45.0% - Certificate
22	SAKSHI	YAWALKAR	sakshiyawalkar645@gmail.com	35.0 (Fail)
23	SHAMLI	MANKAR	shamlimankar68312@gmail.com	15.0 (Fail)
24	SHREYA	DHANDE	dhandeshreya@gmail.com	85.0% - Certificate
25	SIDDHATA	CHAUDHARI	siddhatachaudhari24@gmail.com	40.0% - Certificate
26	SNEHA	BAONER	baonersneha@gmail.com	25.0 (Fail)
27	TEJASVINI	KECHE	tejasvinikeche0@gmail.com	35.0 (Fail)
28	TEJASWINI	LOHAKARE	tejaswinilohakare27@gmail.com	40.0% - Certificate
29	TRUPTI	BHUJBAL	truptibhujbal90@gmail.com	50.0% - Certificate
30	TRUPTI	NINGHOT	truptininghot@gmail.com	30.0 (Fail)
31	UJJWAL	MAHALLE	ujjwalmahalle@gmail.com	55.0% - Certificate
32	VAISHNAVI	RAUT	vraut1688@gmail.com	5.0 (Fail)
33	VAISHNAVI	NISTANE	vaishnavinistane123@gmail.com	20.0 (Fail)
34	VAISHNAVI	KULKARNI	vaishnavi.kul99@gmail.com	60.0% - Certificate
35	SHAILESH	BAWANE	shailubawane132z@gmail.com	80.0% - Certificate
36	APURVA	DHARMALE	apurvadharmale27@gmail.com	35.0 (Fail)
37	RASHI	GOYAL	rashi139goyal@gmail.com	60.0% - Certificate
38	VISHAL	ISAL	vishalisal166@gmail.com	45.0% - Certificate
39	HARSHAD	KALASKAR	harshkalaskar1999@gmail.com	25.0 (Fail)
40	SIMRAN PARVEEN	KHAN	simranparveenkhan@gmail.com	15.0 (Fail)
41	MAYURI	LONKAR	mayurilonkar7@gmail.com	80.0% - Certificate
42	PRATIKSHA	MOHOD	pratikshamohod6@gmail.com	30.0 (Fail)

43	MONIKA	NAROLKAR	monikanarolkar@gmail.com	45.0% - Certificate
44	GAYATRI	PACHAKAWADE	gayatri5kawde@gmail.com	20.0 (Fail)
45	VAISHNAVI	PADWAD	vaishnavipadwad1999@gmail.com	20.0 (Fail)
46	YASH	REWASKAR	yashrewaskar2000@gmail.com	30.0 (Fail)
47	SNEHAL	ROTKAR	rotkarsnehal99@gmail.com	25.0 (Fail)
48	PRATIK	SONTAKKE	pratikass488@gmail.com	50.0% - Certificate
49	NIKHIL	SONWAL	nikhilsonwal1999@gmail.com	20.0 (Fail)
50	GAURAVI	THAKUR	gauravithakur43@gmail.com	50.0% - Certificate
51	ABOLI	WANKHADE	wankhadeaboli0@gmail.com	20.0 (Fail)



Spoken Tutorial

Certificate for Completion of Advanced Cpp Training

This is to certify that **SHREYA DHANDE** has successfully completed **Advanced Cpp** test organized at **Shri Shivaji Science College** by **Mukul Bhonde** with course material provided by the Spoken Tutorial Project, IIT Bombay.

Passing an online exam, conducted remotely from IIT Bombay, is a pre-requisite for completing this training. **Sundeep Gawande** at **Shri Shivaji Science College** invigilated this examination. This training is offered by the **Spoken Tutorial Project, IIT Bombay, funded by National Mission on Education through ICT, MHRD, Govt., of India.**

March 4th 2020

Prof. Kannan M Moudgalya
IIT Bombay

2356383P62

Summary Report and Outcome

Shri Shivaji Science College, Amravati

2020-2021

Department of Computer Science

Summary Report

Course Title: Spoken Tutorial Certificate Course in "**Advanced CPP**"

Course starting date: 1-Jan-2020
Course end date: 31- Mar -2020
Platform: Spoken-tutorial.org

Course Duration: 12-Weeks
Passing Criteria: 40% in each test
Registration Fee: FREE

The title of the course i.e., "**Advance CPP**" focuses on learning basic syntaxes of programming language C++ and advance features of C++. The Programming language 'C++' is one of the object oriented programming language. The most dominant object-oriented programming language "Java" is also derived from C++.

Herewith we are very much pleased to summarize that we conducted the ad-on course on "PHP and MySQL" within the duration specified exactly. We also got the healthy response by students also. In this course total **174** students did their registration through Google Form. Among these 174 students **81** students successfully completed the course by passing in exam conducted at the end.

At the end all successful students got their certificates. It is very pleasing that we got very positive feedback from participated students.

H.O.D.
Dr. H. M. Deshmukh
Head
Dept. of Computer Science
Shri Shivaji Science College,
Amravati.

Shri Shivaji Science College, Amravati

2020-2021

Department of Computer Science

Course Outcome

Date: 6-Sept-2020

Course Title: Spoken Tutorial Certificate Course in "**Advanced CPP**"

Course starting date: 1-Jan-2020
Course end date: 31- Mar -2020
Platform: Spoken-tutorial.org

Course Duration: 12-Weeks
Passing Criteria: 40% in each test
Registration Fee: FREE

Course Outcomes:

CO-1: To understand how C++ improves C with object-oriented features.
CO-2: To learn how to write inline functions for efficiency and performance.
CO-3: To learn the syntax and semantics of the C++ programming language.
CO-4: To learn how to design C++ classes for code reuse.
CO-5: To learn how to implement copy constructors and class member functions.
CO-6: To understand the concept of data abstraction and encapsulation.
CO-7: To learn how to overload functions and operators in C++.
CO-8: To learn how containment and inheritance promote code reuse in C++.
CO-9: To learn how inheritance and virtual functions implement dynamic binding with polymorphism.
CO-10: To learn how to design and implement generic classes with C++ templates.
CO-11: To learn how to use exception handling in C++ programs.

H.O.D.
Dr. H. M. Deshmukh
Head
Dept. of Computer Science
Shri Shivaji Science College,
Amravati.

Dept. of Computer Science (Online Certificate Course in Computer Skills & IT Literacy)

Name and Duration of the Program

Date: 20-07-2020

To,
The Principal,
Shri Shivaji Science College,
Amravati.

Subject: Request for Permission to conduct 4-weeks certificate course on "Computer Skills and IT Literacy" [CSITL-2020].

Through: IQAC

Respected sir,

With reference to above cited subject, the we the department of computer science want to schedule a certificate course on "Computer Skills and IT Literacy" (CSITL-2020) from 3-Aug-2020 to 30-Aug-2020 i.e. of 4-Weeks.

This is a very basic course targeted to all students of our college. The aim behind this course is to provide very basic knowledge of computer to our students which is becoming very essential part of current days of education. Specially in the current pandemic situation of COVID-19, the teaching-learning process is implementing through Online classes. So, student should have basic knowledge of computer, by considering this in mind this course is designed.

Herewith, I am providing the brochure containing Announcement, Time Table and Content of the Course. It is kind request to you sir, please give us permission to proceed.

Thanking you!

Regards,

Dr. Hemant M. Deshmukh
Head
Dept. of Computer Science
Shri Shivaji Science College,
Amravati.

List of the Students Enrolled and Attendance

Email address	Last Name	First Name	Middle Name	Class	Group (Only for UG students)
Mohinitembhare2018@gmail.com	Tembhare	Mohini	Vilas	B.C.A. II	CMP
radha19022002@gmail.com	Shelke	Radha	Pravin	B.C.A. I	CMP
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sahilrg002@gmail.com	Gupta	Sahil	Ritesh	B.Sc. I	CAS
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sawarkarchetna1520@gmail.com	Sawarkar	Chetna	Liladharrao	B.C.A. I	CMP
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Curriculum and Time table

Course Content:

Week-1: Basics of Computer System		
Day-1	03-Aug-2020	Block Diagram of Computer
Day-2	04-Aug-2020	Concept of h/w and s/w
Day-3	05-Aug-2020	Memory Management
Day-4	06-Aug-2020	Introduction to Windows
Day-5	07-Aug-2020	Applications in windows
Day-6	08-Aug-2020	Quiz-1
Day-7	Sunday(09-aug-2020)	Practice Day and Display of Result
Week-2: Working with MS-Word		
Day-1	10-Aug-2020	File Tab in MS-Word
Day-2	11-Aug-2020	Home Tab in MS-Word
Day-3	12-Aug-2020	Layout Tab in MS-Word
Day-4	13-Aug-2020	Insert Tab in MS-Word
Day-5	14-Aug-2020	Review and View Tab in MS-Word
Day-6	15-Aug-2020	Quiz-2
Day-7	Sunday(16-aug-2020)	Practice Day and Display of Result
Week-3: Working with MS-Excel		
Day-1	17-Aug-2020	File Tab in MS-Excel
Day-2	18-Aug-2020	Home Tab in MS-Excel
Day-3	19-Aug-2020	Working with formulas
Day-4	20-Aug-2020	Data Tab in MS-Excel
Day-5	21-Aug-2020	Working with Charts
Day-6	22-Aug-2020	Quiz-3
Day-7	Sunday(23-aug-2020)	Practice Day and Display of Result
Week-4: Working with MS-Power Point and Internet		
Day-1	24-Aug-2020	Creating Simple Presentation
Day-2	25-Aug-2020	Use of Transitions in Presentation
Day-3	26-Aug-2020	Introduction to Internet
Day-4	27-Aug-2020	Working with Google Account
Day-5	28-Aug-2020	Working with Google Classroom
Day-6	29-Aug-2020	Quiz-4
Day-7	Sunday(30-aug-2020)	Final Exam
Till 5-Sept-2020: Distribution of Certificates		

Link for Registration: https://forms.gle/2ZukCNVNPb57vmRB9

Link for Telegram group: https://t.me/joinchat/R-PMPhfFiX_qMOO0pp7rSg

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durgbunsshruti@gmail.com	Good(B+)	Ms. Shruti Vijaysingh Durgbuns	CSITL-2020/051
prajaktamalode7109@gmail.com	Good(B+)	Prajakta Sudhir Malode	CSITL-2020/052
sawarkarchetna1520@gmail.com	Good(B+)	Ms. Chetna Liladharrao Sawarkar	CSITL-2020/053
aaratigawande2@gmail.com	Good(B+)	Aarati Gajanan Gawande	CSITL-2020/054
aartikalpande93@gmail.com	Good(B+)	Ms Aarti Nandkishor Kalpande	CSITL-2020/055
chetnawankhede2606@gmail.com	Good(B+)	Chetna Pramod Wankhede	CSITL-2020/056
monalimankar92001@gmail.com	Good(B+)	Ku Monali Subhashrao Mankar	CSITL-2020/057
shubhangicharpe410@gmail.com	Good(B+)	Ms.Shubhangi Rajesh Charpe	CSITL-2020/058
sakshichokhat6@gmail.com	Good(B+)	Miss. Sakshi Chokhat	CSITL-2020/059
anupkankaleak47@gmail.com	Satisfactory(B)	Anup Santosh Kankale	CSITL-2020/060
ashfaquesayyed18@gmail.com	Satisfactory(B)	Nida Saher Sayyed Ashfaque	CSITL-2020/061
nishantdesai1000@gmail.com	Satisfactory(B)	Nishant Desai	CSITL-2020/062
tejalraut46@gmail.com	Satisfactory(B)	Tejal Gajanan Raut	CSITL-2020/063
aakankshasable2001@gmail.com	Satisfactory(B)	Miss. Aakanksha Sable	CSITL-2020/064
kirankpawarkkp393@gmail.com	Satisfactory(B)	Ms. Kiran Kishor Pawar	CSITL-2020/065
vaibhavikhode9@gmail.com	Satisfactory(B)	Ms.Vaibhavi Anilrao Khode	CSITL-2020/066
komaladhau16@gmail.com	Satisfactory(B)	Komal Sanjiv Adhau	CSITL-2020/067
shwetasatpute55@gmail.com	Satisfactory(B)	Satpute	CSITL-2020/068
harshalgawande492@gmail.com	Satisfactory(B)	Harshal subhashrao Gawande	CSITL-2020/069
yuvrajborkhade959@gmail.com	Satisfactory(B)	Mr. Yuvraj Borkhade	CSITL-2020/070
rutvikkolhe2@gmail.com	Satisfactory(B)	Mr. Rutvik Rajendra Kolhe	CSITL-2020/071
sakshichaudhari099@gmail.com	Satisfactory(B)	CHAUDHARY	CSITL-2020/072
tejasumak5@gmail.com	Satisfactory(B)	Mr. Tejas Vilasrao Umak	CSITL-2020/073
harshatehare18@gmail.com	Satisfactory(B)	Ms.Harsha Sunil Tehare	CSITL-2020/074
gayatribhoyargb77@gmail.com	Average(C+)	Bhoyar	CSITL-2020/075
jaydhanaskar@gmail.com	Average(C+)	Mr. Jay Dhanaskar	CSITL-2020/076
rasikanawale2008@gmail.com	Average(C+)	Miss. Rasika Nawale	CSITL-2020/077
ybambal2002@gmail.com	Average(C+)	Ms. Yogeshwari Prakash Bambal	CSITL-2020/078
harshadameshram2001@gmail.com	Average(C+)	Miss Harshada Nagorao Meshram	CSITL-2020/079
chaitalisaurkar25@gmail.com	Average(C+)	Miss. Chaitali Saurkar	CSITL-2020/080
sagarsukhdeve91@gmail.com	Average(C+)	Mr. Sagar Babarao sukhdeve	CSITL-2020/081
janhavikakpure2000@gmail.com	Average(C+)	Ms.Janhavi Raju Kakpure	CSITL-2020/082
paurnimakathale12@gmail.com	Average(C+)	Miss. Paurnima Kathale	CSITL-2020/083
siddheshwankhade30@gmail.com	Average(C+)	Mr. Siddhesh Wankhade	CSITL-2020/084
bambalrutuja@gmail.com	Average(C+)	Miss. Rutuja Bambal	CSITL-2020/085
samikshawakode7887@gmail.com	Average(C+)	Miss. Samiksha Wakode	CSITL-2020/086
komalkashani2002@gmail.com	Average(C+)	Ms.Komal Hareshkumar Kashani	CSITL-2020/087
vaibhavmundane1998@gmail.com	Average(C+)	Mr. Vaibhav Mundane	CSITL-2020/088

Head
Dept. of Computer Science
Shri Shivaji Science College,
Amravati.

Shri Shivaji Education Society, Amravati's

Shri Shivaji Science College

Shivaji Nagar, Nagpur Road, Amravati (MS)

NAAC Accredited by Grade "A" with CGPA of 3.13 (Third Cycle), UGC Awarded Status of College with Potential for Excellence (Second Phase), Identified by DST, Govt of India for FIST and Sant Gadge Baba Amravati University, Amravati as Lead College

Affiliated to Sant Gadge Baba Amravati University, Amravati (MS) INDIA



Certificate no. CSITL-2020/001

Date: 30/08/2020

CERTIFICATE

This Certificate is awarded to

Mr. Rakesh Ravindra Zamde

Position: Student **Affiliation:** Shri Shivaji Science College, Amravati

For the successful completion of the Online Certificate Course on "**COMPUTER SKILLS & IT LITERACY [CSITL-2020]**" as prescribed and ported by the Department of Computer Science during 03rd August - 30th August 2020. His performance was

Outstanding(A+)

Course Coordinator	Head of the Department	IQAC Coordinator	Principal
Mr. Mukul M. Bhonde	Dr. Hemant M. Deshmukh	Dr. H.S. Lunge	Dr. V.G. Thakare

Summary Report and Outcome

Shri Shivaji Science College, Amravati

2020-2021

Department of Computer Science

Summary

Date: 6-Sept-2020

Online Certificate Course on

"Computer Skills and IT Literacy"

Course starting date: 3-Aug-2020
Course end date: 30- Aug -2020
Platform: Google Classroom
Registration Fee: FREE

Course Duration: 4 Weeks
Passing Criteria: 40% in each tests
Last date for Registration: 31 July 2020.

The title of the course i.e., **"Certification Course on Computer Skills and IT Literacy"** itself explains that this course is definitely useful for student those want to operate the computer at their own efficiently and also to create platform for those who wants to do their career in Computer Science.

Herewith we are very much pleased to summarize that we conducted the ad-on course on "Computer Skills and IT Literacy" within the duration specified exactly. We also got the healthy response by students also. In this course total **212** students did their registration through Google Form. Among these 212 students **88** students successfully completed the course. In this course the faculty members of our department *Mr. M.M. Bhonde, Dr. U.S. Junghare, Mr. Hushare Y.V.* delivered their knowledge by sharing the modules of the syllabus of this course. At the end all successful students got their certificates. It is very pleasing that we got very very positive feedback from participated students.

H.O.D.
Dr. H. M. Deshmukh
Head
Dept. of Computer Science
Shri Shivaji Science College,
Amravati.

Shri Shivaji Science College, Amravati

2020-2021

Department of Computer Science

Course Outcome

Date: 6-Sept-2020

Online Certificate Course on

"Computer Skills and IT Literacy"

Course starting date: 3-Aug-2020
Course end date: 30- Aug -2020
Platform: Google Classroom
Registration Fee: FREE

Course Duration: 4 Weeks
Passing Criteria: 40% in each test
Last date for Registration: 31 July 2020.

Course Outcomes:

1. Imparted basic knowledge about Computer System to students of any stream of subject.
2. Made students familiar with application software MS-Word, so that learners can do office work paperless.
3. Imparted the knowledge of application software MS-Excel so that learners can organize the large amount of data in well-structured manner and process it.
4. Students participated are able to design very effective and attractive power-point presentations.
5. After completion of this course students got understand the basic concepts of Internet and how internet should be used professionally.

H.O.D.
Dr. H. M. Deshmukh
Head
Dept. of Computer Science
Shri Shivaji Science College,
Amravati.

Dept. of Environment Science ("Quantum GIS and its application in advanced GIS")

Name and Duration of the Program

To,

Principal
Shri Shivaji Science College,
Amravati

Subject:- Permission to conduct inter collegiate five day's training programme on "Quantum programme GIS And Its Application In Advanced GIS"

Respected Sir,

We Dept. of Env. Sci. is going to conduct Five days training "Quantum programme GIS And Its Application In Advanced GIS". The training is scheduled on 26th Jan to 30 Jan 2020. All the P.G. students of (Env. Sci), B. Sc. III (Geology) students and P.G. students (Env. Sci.) from Art Commerce and Science College, Kiran Nagar, Amravati is the target group. All the lecturer, will be conducted in Env. Sci. Lab & hand on practice will be provided in Computer Lab no.1 & 2 of Dept. of Computer Science. Content of the workshop is useful to target group.

Kindly permit us to arrange this workshop.

Thanking You

Your sincerely

Date:-23.01.2020

Received 23.1.20

Dr. S. P. Ingole
Head
Dept. of Env. Sci.

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NOTICE

Dear Students,

It's our pleasure to announce that Department of Environmental science in collaboration with Geotech GIS Training Institute, Aurangabad is organizing **5 Days workshop** on **"Quantum GIS and its application in advanced GIS"** for P.G.& B.Sc.III rdStudents"**from 26 January to 30 January 2020.**

The workshop avail opportunity to P.G. students to learn the use of quantum GIS in advanced GIS with hands on Quantum GIS software.

So, don't miss the opportunity and explore the new knowledge in the field of GIS.

Registration Fee: Free

Last Date of Registration: 25th January 2020 up to 5:00 pm

Register for workshop using the following link:

https://forms.gle/Ucme3zXegHv6RU2HA

After the successful completion of course students will getCertificate.

Thank You

Dr. S.P. Ingole
Head
Dept. Of Environmental Science
Shri Shivaji Science College,
Amravati.

List of the Students Enrolled and Attendance

Dept. of Environmntal Science

"Quantum GIS and its application in advanced GIS

List of Students for GIS Workshop

(2019-20) P. G.

Sr. No.	Name of Student
1	Ku. Ankita Sunil Bhadange
2	ChetanSharadSatpute
3	Ku. ChaitaliNandkishorThakare
4	Ku. KirtikaJagdishMohod
5	Ku. Kalyani BansiBhatkar
6	Ku. Mohini Anil Konde
7	Ku. PratikshaGjananVighe
8	Ku. PratikshaPanjabraoWankhade
9	Ku. RuchitaArvindJumade
10	Ku. RutujaSujitBannore
11	SaurabhKishorraoBijwe
12	Ku. ShrutiRameshraoYawale
13	Ku. TejaswiniPurshottamTakarkhede
14	Ku. YogitaKeshavraoThakare
15	Ku. VaibhaviMangeshKshirsagar
16	Ku. TejalPadipraoThakare
17	AnupTaywade
18	Ku. AnkitaRajendraKanhekar
19	AnkitSatishJawanjal
20	Ku. GayatriRajendraUgale
21	Ku. ManishaUmakantBhatkar
22	Ku. Minal Vijay Ingole
23	Ku. ParvaniShivajiraoGhormade,
24	Ku. Pooja SakharamDutonde
25	Ku. PoojaRajendraChoudhary

Sr. No.	Name of Student
26	Ku. Samiksha R. Kale
27	Ku. TejaswiniPrabhakarDhandar,

List of Students for GIS Workshop

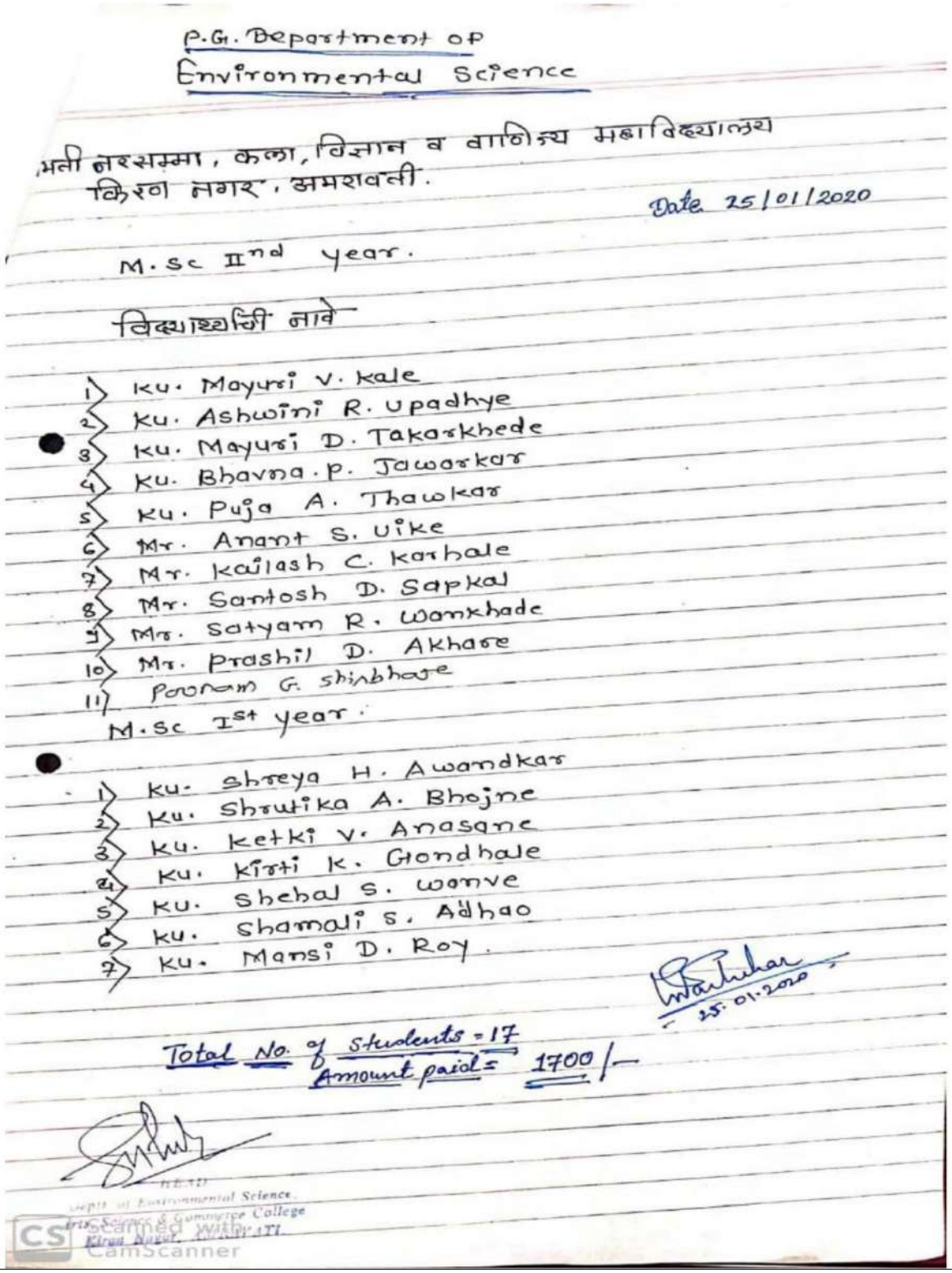
(2019-20)

U.G.

S.N.	NAME
1	DESHMUKH SHIVANI NILKANTHRAO
2	GANGWANI JANAVI BALDEV
3	KU. RADHIKA D. KALKAR
4	KU. SAMIKSHA C. THAKARE
5	KU. PRANJALI G. SAPKAL
6	KU. AISHWARYA S. UKE
7	KU. SUPRIYA DONGARE
8	KU. ANUSHREE GHARDE
9	KU. AISHWARYA KASAR
10	KU. ANUJA DEVTALE

List of Students for GIS Workshop - From Other College

(2019-20)



P.G. Department of
Environmental Science

श्रीमती नरसम्मा, कला, विज्ञान व वाणिज्य महाविद्यालय
किरण नगर, अमरावती.

Date 25/01/2020

M.Sc IInd year.

विद्यार्थ्यांची नावे

1) Ku. Mayuri V. Kale
2) Ku. Ashwini R. Upadhye
3) Ku. Mayuri D. Takarkhede
4) Ku. Bhavna P. Jawarkar
5) Ku. Puja A. Thawkar
6) Mr. Anant S. Uike
7) Mr. Kailash C. Karhale
8) Mr. Santosh D. Sapkal
9) Mr. Satyam R. Wankhade
10) Mr. Prashil D. Akhare
11) Pooram G. Shinbhare

M.Sc Ist year.

1) Ku. Shreya H. Awandkar
2) Ku. Shrutika A. Bhojne
3) Ku. Ketki V. Anasane
4) Ku. Kirti K. Gondhale
5) Ku. Shebal S. Womve
6) Ku. Shamali S. Adhao
7) Ku. Mansi D. Roy.

25.01.2020

Total No. of Students = 17
Amount paid = 1700/-

Dept. of Environmental Science
Shri Shivaji Science & Commerce College
Amravati

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"Five Days (Intercollegiate) Training Programme for P. G. Students on Quantum Program GIS and its application in Advanced GIS"
Duration: 26 to 30 January, 2020

Attendance Sheet

Sr. No.	Student Name	Class	26.01.20	27.01.20	28.01.20		29.01.20		30.01.20	
					1st Half	2nd Half	1st Half	2nd Half	1st Half	2nd Half
1	Ku. Ankita S. Bhadange	M.Sc. 1 st								
2	Chetan S. Satpute	M.Sc. 1 st								
3	Ku. Chaitali N. Thakare	M.Sc. 1 st								
4	Ku. Kirtika J. Mohod	M.Sc. 1 st								
5	Ku. Kalyani B. Bhatkar	M.Sc. 1 st								
6	Ku. Mohini A. Konde	M.Sc. 1 st								
7	Ku. Pooja V. Lawhale	M.Sc. 1 st								
8	Ku. Pratiksha G. Vighe	M.Sc. 1 st								
9	Ku. Pratiksha P. Wankhade	M.Sc. 1 st								
10	Ku. Ruchita A. Jumade	M.Sc. 1 st								
11	Ku. Rutuja S. Bannore	M.Sc. 1 st								
12	Ku. Sakshi S. Deshmukh	M.Sc. 1 st								
13	Saurabh K. Bijwe	M.Sc. 1 st								
14	Ku. Shruti R. Yawale	M.Sc. 1 st								
15	Ku. Tejaswini P. Takarkhede	M.Sc. 1 st								
16	Ku. Yogita K. Thakare	M.Sc. 1 st								
17	Ku.Samiksha S. Bondre	M.Sc. 1 st								
18	Ku. Vaibhavi M. Ksirsagar	M.Sc. 1 st								
19	Ku. Tejal P. Thakare	M.Sc. 1 st								
20	Anup Taywade	M.Sc. 1 st								
21	Ku. Ankita R. Kanhekar,	M.Sc. 2 nd								
22	Ankit S. Jawanjal	M.Sc. 2 nd								
23										
24	Ku. Gayatri R. Ugale,	M.Sc. 2 nd								
25	Ku. Kanchan P. Bansod	M.Sc. 2 nd								
26	Ku. Manisha U. Bhatkar,	M.Sc. 2 nd								
27	Ku. Minal V. Ingole	M.Sc. 2 nd								
28	Ku. Parvani S. Ghormade,	M.Sc. 2 nd								
29	Ku. Pooja S. Dutonde	M.Sc. 2 nd								
30	Ku. Pooja R. Choudhary,	M.Sc. 2 nd								
31	Ritesh K. Januskar	M.Sc. 2 nd								
32	Ku.Rucha H. Kaple,	M.Sc. 2 nd								
33	Ku. Samiksha R. Kale	M.Sc. 2 nd								
34	Ku. Shravani Y. Jaware,	M.Sc. 2 nd								
35	Ku. Tejaswini P. Dhandar,	M.Sc. 2 nd								
36	Ku. Vishakha P. Wankhade	M.Sc. 2 nd								

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"Five Days (Intercollegiate) Training Programme for P. G. Students on Quantum Program GIS and its application in Advanced GIS"
Duration: 26 to 30 January, 2020

Attendance Sheet

Sr. No.	Student Name	Class	26.01.20	27.01.20	28.01.20		29.01.20		30.01.20	
					1st Half	2nd Half	1st Half	2nd Half	1st Half	2nd Half
1	Ku. Janavi B. Gangwani	B.Sc.3rd	P	P	P	P	P	P	P	P
2	Ku. Shivani N. Deshamukh	B.Sc.3rd	P	P	P	P	P	P	P	P
3	Ku. Radhika D. Kalkar	B.Sc.3rd	P	P	P	P	P	P	P	P
4	Ku. Samiksha C. Thakare	B.Sc.3rd	P	P	P	P	P	P	P	P
5	Ku. Pranjali G. Sapkal	B.Sc.3rd	P	P	P	P	P	P	P	P
6	Aishwarya S. Uke	B.Sc.3rd	P	P	P	P	P	P	P	P
7	Supriya Dongare	B.Sc.3rd	P	P	P	P	P	P	P	P
8	Anushree Gharde	B.Sc.3rd	P	P	P	P	P	P	P	P
[redacted]	Aishwarya Kasar	B.Sc.3rd	P	P	P	P	P	P	P	P
10	Anuja Devtale	B.Sc.3rd	P	P	P	P	P	P	P	P

"Five Days (Intercollegiate) Training Programme for P. G. Students on Quantum Program GIS and its application in Advanced GIS"
Duration: 26 to 30 January, 2020

Attendance Sheet

Sr. No.	Student Name	Class	26.01.20	27.01.20	28.01.20		29.01.20		30.01.20	
					1st Half	2nd Half	1st Half	2nd Half	1st Half	2nd Half
1	Ku. Shreya H. Awandkar	M.Sc. 1 st								
2	Ku. Shrutika A. Bhojne	M.Sc. 1 st								
3	Ku. Ketki V. Anasane	M.Sc. 1 st								
4	Ku. Kirti K. Gondhale	M.Sc. 1 st								
5	Ku. Shehal S. Wanve	M.Sc. 1 st								
6	Ku. Shamali S. Adhao	M.Sc. 1 st	S.S.Adhao	S.S.Adhao	S.S.Adhao	S.S.Adhao	S.S.Adhao	S.S.Adhao	S.S.Adhao	S.S.Adhao
7	Ku. Mansi D. Roy	M.Sc. 1 st								
8	Ku. Mayuri V. Kale	M.Sc. 2 nd								
9	Ku. Ashwini R. Upadhye	M.Sc. 2 nd								
10	Ku. Mayuri D. Takarkhede	M.Sc. 2 nd								
11	Ku. Bhavna P. Jawarkar	M.Sc. 2 nd								
12	Ku. Puja A. Thawkar	M.Sc. 2 nd								
13	Mr. Anant S. Uike	M.Sc. 2 nd								
14	Mr. Kailash C. Karhale	M.Sc. 2 nd								
15	Mr. Santosh D. Sapkal	M.Sc. 2 nd								
16	Mr. Satyam R. Wankhade	M.Sc. 2 nd								
17	Mr. Prashil D. Akhare	M.Sc. 2 nd								
18	Ku. Poonam G. Shirbhate	M.Sc. 2 nd								

Curriculum and Time table



"Five Days (Intercollegiate) Training Programme for P. G. Students on Quantum Program GIS and its application in Advanced GIS"

Training Schedule

Day	Time	Session
26 Jan 2020 (Sunday)	8.30 – 9.30 am 9.30 - 9.45 am 9.45 -10.45 am	Introduction Of GIS Tea Break Applications of GIS
27 Jan 2020 (Monday)	11.00 – 12.00 pm 12.00 – 1.00 pm	Georeferencing and Projection Watershed Management
28 Jan 2020 (Tuesday)	8.00 – 4.30 pm (Break-30 min.) 8:00 am to 10:30 am (Lab-1 & Lab-2) AND 1:00 pm to 3:30 pm (Lab-1)	Introduction and Installation of Q-GIS Software
28 Jan 2020 (Tuesday)	11:00 am to 12:30 pm (Lec.) (P.G. EVS Lab)	Applications of GIS
29 Jan 2020 (Wednesday)	8.00 – 4.30 pm (Break-30 min.) 8:00 am to 1:00 pm (Lab-2)	Data preparation and Analysis
30 Jan 2020 (Thursday)	8.00 – 5.00 pm (Break-30 min.) 8:00 am to 1:00 pm (Lab-2) Valedictory & Certificate Distribution 3:00 pm onwards	Introduction of Watershed Delineation and DEM Creation Map Layout

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Assessment

All 54 students have successfully completed the course.



Shri Shivaji Education Society's Amravati

Shri Shivaji Science College, Amravati

Accredited by NAAC with 'A' Grade Identified by UGC - CPE, DST- FIST & SGBAU -Lead College

" Five Days (Intercollegiate) Training Programme for P. G. Students on Quantum Program GIS and its application in Advanced GIS "

26th to 30th January 2020

Organized By

Department of Environment Science

and

Geotech GIS Training Institute Aurangabad, Maharashtra (India)

Certificate

This is to certify that Mr./Ms._____

has Actively participated in the Training Programme on "Five Days (Intercollegiate) Training Programme for P. G. Students on Quantum Program GIS and its application in Advanced GIS" organized by Department of Environment Science, Shri Shivaji Science College, Amravati & Geotech GIS Training Institute Aurangabad, Maharashtra (India).

Dr. A. R. Borgawkar
Managing Director
Geotech GIS Training Institute Aurangabad

Dr. S. P. Ingole
H.O.D.
Dept. of ENV. SCI.

Dr. V. G. Thakare
Principal
Shri Shivaji Science College, Amravati

Summary Report and Outcome

Summary Report & Course Outcome

The **5 days**(40 Hrs.) certificate course wasconducted from **26 January to 30 January 2020. 55** students of U.G., P.G. from the Dept. of Env. Sci.including 11 P.G. Students from Arts, Commerce & Science College, Kiran Nagar, Amravatiwere enrolled for this certificate course.

All the lecturers were conducted in Env. Sci. Lab & hands on practice was organised in Computer Lab no.3. Certificates were provided to all successful students.

COURSE OUTCOMES:

At the end of the course, participants will be able to:

- Define GIS
- Use GIS to identify, explore, understand, and solve spatial problems
- Demonstrate GIS modeling skills
- Demonstrate critical thinking skills in solving geospatial problems.
- Design and implement a GIS project
- Demonstrate competency with the QGIS software to enhance and interpret data
- Use queries in GIS Analysis
- Formulate applications of GIS technology.

Dept. of Environmental Science ("Certificate Course in Health, Safety and Environment")

Name and Duration of the Program

To

Principal,

Shri.Shivaji Science College,

Amravati.

Subject: Permission to conduct 4 weeks "Certificate Course in Health, Safety and Environment"

Through: IQAC.

Respected Sir,

Dept. of Environmental Science is going toconducta "Certificate Course in Health, Safety and Environment". The course duration is of one month which will commence from 13th July to 14th Aug 2020.

This is a basic course under the subject area of safety. This course knowledge will be helpful to the students in safety application and also when they will go for advance Diploma course in this subject which has huge scope in the industrial sector. Course outcome is also beneficial for the placement of our student.

Kindly grant us permission to conduct this course.

Thanking you.

Regards

Dr. S.P. Ingole
Head
Dept. Of Environmental Science
Shri Shivaji Science College,
Amravati.

Notice

Greeting of the day

Dear students,

Considering the present scenario in mind, Dept. of Environmental Science, Shri Shivaji Science College, Amravati propose to start Certificate Course in Health, Safety and Environment (CCHSE). The course is designed for B.Sc and M.Sc. students for getting more knowledge and aware about industrial health, safety and environment. By completion of course Students will get more opportunity to job in the industry.

Registration Fee: Free

Last Date of Registration: 12 July 2020 up to 5:00 pm

Course Start from: 13 July 2020

Duration: 1 Month

Register for course using the following link:

https://forms.gle/KBxJM6GBuiWZSuoe9

For future details about course join following Telegram link:

Telegram Link: https://t.me/joinchat/QA599BvK1Z8rriVErUAyng

After the successful completion of course students will get E-Certificate.

Further Details will be provided on Telegram group only.

Respected S / M

pl circulate among your students for course participation.

Department of Environmental Science

Thank You

List of the Students Enrolled and Attendance

S.N.	Timestamp	Email Address	Name	Name of College
1	8/10/2021 16:26:46	hiteshshrungare5@gmail.com	Shrungare Hitesh anil	Shri shivaji science
2	8/10/2021 16:28:28	thkalyani2020@gmail.com	Thakare Kalyani Satish	Shri. Shivaji Science College Amravati
3	8/10/2021 16:28:39	kgosavi1998@gmail.com	Gosavi Komal Sanjay	Shri Shivaji Science College Amravati
4	8/10/2021 16:28:42	krutikamakade@gmail.com	Makade krutika manoharrao	Shri shivaji science college ,Amravati
5	8/10/2021 16:34:50	rohitthakare1000@gmail.com	THAKARE ROHIT SHANKAR	SHRI SHIVAJI SCIENCE COLLEGE , AMRAVATI
6	8/10/2021 16:40:33	dhanashrisao11@gmail.com	Sao dhanashri Vishnu	Shree shivaji science college amravati
7	8/10/2021 17:04:51	janvithakare444@gmail.com	Thakare Janvi Ravishankar	Shri Shivaji science college, Amravati
8	8/10/2021 17:06:36	pranjaliraut3115@gmail.com	Pranjali Anil Raut	Shri Shivaji Science College, amravati.
9	8/10/2021 17:21:27	manjiriwankhade411@gmail.com	Wankhade Manjiri Pravin	Shri. Shiwaji Science College, Amravati
10	8/10/2021 17:27:31	ssagarbambal@gmail.com	Sagar Sanjay bambal	Shri Shivaji science college amravti
11	8/10/2021 17:28:13	nikita261120@gmail.com	Jengthe nikita Pramod	Shri Shivaji science College amravati
12	8/10/2021 17:36:21	gauravajmire123@gmail.com	Gaurav Harish Ajmire	Shri shivaji science college Amravati
13	8/10/2021 17:39:51	janhavidalvi076@gmail.com	Dalvi Janvhi Damodar	Shri Shivaji Science College Amravati
14	8/10/2021 18:13:12	ishalangade2050@gmail.com	Isha Ramesh Langade	Shri Shivaji science College Amravati
15	8/10/2021 18:18:20	gajananbethekar39@gmail.com	Bethekar Gajanan Bhabla	Shri shivaji science college Amravati
16	8/10/2021 18:37:53	gauriganesh97@gamil.com	Sagane sanskruti ganesh	Shree shivaji science college amravati
17	8/10/2021 19:03:13	chawarekalyani35@gmail.com	Chaware Kalyani	Shri shivaji science college
18	8/10/2021 19:26:46	mahuresamiksha9@gmail.com	Mahure Samiksha Surendra	Shri Shivaji science college Amravati
19	8/10/2021 19:50:18	chandrashekhartarale9@gmail.com	Mr. Chandrashekhar Tarale	Shri Shivaji Science College Amravati
20	8/10/2021 20:08:49	sanjanadhote08@gmail.com	Dhote Sanjana Anil	Shri shivaji science college
21	8/10/2021 21:05:04	saurabhhurde1999@gmail.com	Hurde saurabh Pramod	Shri Shivaji science College Amravati
22	8/10/2021 21:20:26	darshanawath03@gmail.com	Wath Darshana Manohar	Shri Shivaji Science College Amravati - 444603
23	8/10/2021 21:32:57	ditikshabarekar@gmail.com	Barekar Ditiksha Ramesh	Shri Shivaji Science College Amravati
24	8/10/2021 22:59:42	ashwinitambade1999@gmail.com	Tambade Ashvini Dinesh	Shri shivaji science college ,Amravati
25	8/11/2021 12:28:33	dalviyash152@gmail.com	Dalvi Yash Vidyadhar	Shri Shivaji science college amravati Maharashtra
26	8/11/2021 14:49:18	rrituvyas@gmail.com	Vyas Ritu Ramkumar	Shree Shivaji Science Collge Amaravati
27	8/11/2021 22:57:17	pranalidhote2202@gmail.com	Dhote Pranali Vinod	Shri Shivaji science college Amravati
28	8/12/2021 19:07:36	vaishnavinipane@gmil.com	Vaishnavi Arjun Nipane	Shri. Shivaji Science Collage Amaravati
29	8/12/2021 23:03:18	pradnyatathod73@gmail.com	Tathod PradnyaMotiram	Shri Shivaji Science Collage,Amaravti
30	8/13/2021 10:26:37	ramshakhan1903@gmail.com	Khan Ramsha Thereem	Shri Shivraj science College
31	8/13/2021 13:23:29	saimasheikhsscncc17@gmail.com	Saima Salim shaikh	Shri Shivaji science College amravati
32	8/13/2021 21:28:37	Chavhantanaya@gmail.com	Tanaya Gajanan	Shri Shivaji Science College Amravati.
33	8/14/2021 15:16:43	rokadenikhil85@gmail.com	Rokade nikhil anil	Shri Shivaji science collage amravati
34	8/14/2021 15:52:48	shiwaniwakode03@gmail.com	Wakode Shiwani Rajendra	Shri Shivaji Science College, Amravati
35	8/14/2021 16:00:52	toshana1234@gmail.com	Badge Toshana Pramod	Shri Shivaji Science College
36	8/15/2021 17:35:06	mayuriyerane1999@gmail.com	Mayuri Manohar Yerne	Shri.shivaji science college amravti
37	8/15/2021 19:11:12	gauriwankhade14@gmail.com	Wankhade Gauri Madhukar	Shri shivaji science college amaravti
38	8/16/2021 8:54:04	abolishende84@gmail.com	Shende Aboli Rajesh	Shri Shivaji Science College, Amravati
39	8/16/2021 9:17:58	pranjalikhodwe24@gmail.com	Khodwe Pranjal Jayesh	Shri.Shivaji Science College Amravati
40	8/16/2021 9:20:16	shashanag27@gmail.com	Nagarale Shashank Jagdish	Shri. Shivaji Science College, Amravati.

S.N.	Timestamp	Email Address	Name	Name of College
41	8/16/2021 9:31:58	rutujakalbende@gmail.com	Kalbende Rutuja Surendra	Shri Shivaji Science college, Amravati
42	8/16/2021 9:42:31	kmankar811@gmail.com	Mankar Kanchan Bhojraj	Shri Shivaji science collage Amravati
43	8/16/2021 9:45:41	sakshigawande1419@gmail.com	Gawande Sakshi Gajanan	Shri. Shivaji Science College Amravati.
44	8/16/2021 9:53:28	chopdegayatri5@gmail.com	Gayatri Rajendra Chopade	Shri Shivaji science college Amravati
45	8/16/2021 9:54:17	gauri15nimbhorkar@gmail.com	Gauri ravindra nimbhorkar	Shri shivaji science collage of amravati
46	8/16/2021 10:19:19	prathmeshthakare80@gmail.com	Thakare Prathmesh Anil	Shri Shivaji Science College, Amravati
47	8/16/2021 11:08:14	dhanashreewakode812@gmail.com	Wakode Dhanashree Shrikant	Shri Shivaji Science College
48	8/16/2021 11:11:24	ritika.londe01@gmail.com	Londe Ritika Sanjay	Shri Shivaji science college Amravati
49	8/16/2021 11:25:40	sonaliborkar6@gmail.com	Borkar Sonali Prabhakarrao	Shri Shiwaji science college Amravti
50	8/16/2021 11:41:34	ghardeashlesha77@gmail.com	Gharde Ashlesha Anilrao	Shri. Shivaji science College amravati
51	8/16/2021 12:04:07	mohitkale105@gmail.com	Kale mohit rajendra	Shri shivaji science college, amravati
52	8/16/2021 12:57:22	sr1694655@gmail.com	Rathod Brijesh Suresh	Shri Shivaji Science College Amravati
53	8/16/2021 14:08:07	trushanathakare@gmail.com	Thakare Trushana Govardhan	Shri Shivaji Science College Amravati
54	8/16/2021 14:20:07	chaitumore2002@gmail.com	More Chaitrali Sanjay	Shree Shivaji Science College Amravati
55	8/16/2021 14:53:41	snehalbobade97@gmail.com	Bobade Snehal Rajendra	Shri.shivaji science college, Amravati
56	8/16/2021 15:37:25	chopdegayatri5@gmail.com	Gayatri Rajendra Chopade	Shri Shivaji science College Amravati
57	8/16/2021 15:47:57	khawasemeghesh1998@gmail.com	Khawase Meghesh Anil	Shri shivaji science college amravati
58	8/16/2021 17:11:36	kalaskarmrunal95@gmail.com	Kalaskar Mrunal Pramod	Shri Shivaji science College Amravati
59	8/17/2021 15:40:50	swatidabre30@gmail.com	Dabre Swati Ananta	Smt. Narsama arts commerce and science college Amravati
60	8/17/2021 15:52:05	priyankahiware260@gmail.com	Ku. Priyanka ganeshrao hiware	Smt. Narsamma arts com. & sci. Clg kiran nagar amt.
61	8/17/2021 15:54:12	punamdabre774@gmail.com	Dabre Punam Gajanan	Shrimati narsamma art science and commerce College Kiran nager Amravati
62	8/17/2021 16:01:03	iampoojaingle@gmail.com	Pooja Harishpant Ingle	Smt. Narsamma hirayya shaikshanik trust Arts commerce and science clg Kiran Na
63	8/17/2021 16:03:39	abhayjabde123@gmail.com	Jabde Abhay Vinod	Shri Shivaji Science College, Amravati
64	8/17/2021 16:05:56	aarohigawande36@gmail.com	Gawande Aarohi Rajesh	Shri Shivaji science College
65	8/17/2021 16:22:07	mayurikasar39@gmail.com	Kasar Mayuri sudhir	Shri Shivaji science collage Amaravti
66	8/17/2021 16:32:26	rajeshchavan93@outlook.com	Chavan Rajesh Tulshidas	Shrimati narsamma hirayya educational trust art commerce science college
67	8/17/2021 16:48:13	samruddhithakre08@gmail.com	Thakre samruddhi dhananjay	narsamma science commerce and arts clg
68	8/17/2021 17:09:00	sakshideshmukh987@gmail.com	Deshmukh Sakshi Nitinrao	Shri Shivaji science College amravati
69	8/17/2021 17:14:16	sukhadaraut03@gmail.com	Raut Sukhada Nanasaheb	Shri shivaji science collage
70	8/17/2021 17:39:01	v.a.falkey@gmail.com	Falke Vaishnavi Avinash	Narsamma Arts, commerce and science college, Amravati
71	8/17/2021 21:19:34	kaleprajakta08@gmail.com	Kale prajakta diwakarrao	Smt. narsamma arts, Commerce's, and science college
72	8/18/2021 13:42:37	papitamohod2000@gmail.com	Papita Arvind Mohod	Srm Narsama arts commerce and science college Amravati
73	8/18/2021 16:05:32	borkarvaishnavi24@gmail.com	Borkar vaishnavi Kamraj	Arts, Commerce, and science college kiran nagar, amravati
74	8/18/2021 16:29:48	prachiingle09@gmail.com	Ingle Prachi Vilasrao	Smt. Narsamma Art, Commerce & Science College,Kiran Nagar, Amravati.College
75	8/20/2021 18:52:53	renupande2001@gmail.com	Pande renu manoj	Shri shivaji science
76	8/29/2021 20:57:14	tejasgulhane22@gmail.com	Gulhane Tejas Vikasrao	Narsammah Arts Commerce Science College Kiran Nagar Amravati
77	8/30/2021 17:16:07	satishjamunkar2002@gmail.com	Jamunkar satish chhagan	Shri shivaji science college amravati
78	9/1/2021 12:19:57	sanjanadhote08@gmail.com	Sanjana Anil Dhote	Shri shivaji science college,amravati
79	8/17/2021 17:39:01	v.a.falkey@gmail.com	Falke Vaishnavi Avinash	Narsamma Arts, commerce and science college, Amravati

Curriculum and Time table

8. Detailed time-wise Course Session Plan:

Module No.	Week	Day/Date	Module Title/Code	Contents/Topic and Hours Allotted	Name of Faculty	Video/Quiz/Assignment/Feedback/ Discussion Forum
1	Week 1	Day1 13.07.2020	Introduction to Health Safety and Environment (IHSE1)	• Introduction (1 hrs)	SPI	Video/ E-Content
		Day 2 14.07.2020		• Importance of environmental safety in industry (2 hrs)	SPI	Video/ Quiz
		Day 3 15.07.2020		• Introduction to occupational health hazards (2 hrs)	VDB	Video/ Quiz
		Day 4 16.07.2020		• Introduction to occupational health hazards (1 hrs)	VDB	Assignment
2		Day 5 17.07.2020	Industrial Hazard Identification and Preventive Technique (IHIPT2)	• Define hazard and hazard identification (1 hrs)	VDB	Video/ E-Content
		Day 6 18.07.2020		• Types of industrial hazards (1 hrs)	VDB	Video/ E-Content/Quiz
		Day 7 19.07.2020		• Types of industrial hazards (1 hrs)	VDB	Video/ E-Content/Quiz
	Week 2	Day 8 20.07.2020		• Method of hazards identification - HAZOP technique (2 hrs)	VDB	Video/ E-Content/ Assignment
		Day 9 21.07.2020		• Hazard Prevention and Control (1 hrs)	VDB	Video/ E-Content/Quiz
		Day 10 22.07.2020		• Hazard Prevention and Control (1 hrs)	VDB	Video/ E-Content/Quiz
		Day 11 23.07.2020		a) Emergency Planning • Introduction (2 hrs)	KJG	
		Day 12 24.07.2020		• Need (1 hrs)	KJG	
		Day 13 25.07.2020		• key elements and concept of emergency planning (1 hrs)	KJG	
3		Day 14 26.07.2020	Emergency Planning and Introduction to Chemical Safety (EPICS3)	• key elements and concept of emergency planning (1 hrs)	KJG	
	Week 3	Day 15 27.07.2020		• key elements and concept of emergency planning (1 hrs)	KJG	
		Day 16 28.07.2020		b) Chemical Safety • Introduction and general chemical safety guidelines (1 hrs)	KJG	
		Day 17 29.07.2020		b) Chemical Safety • Introduction and general chemical safety guidelines (1 hrs)	KJG	
		Day 18 30.07.2020		b) Chemical Safety • Introduction and general chemical safety guidelines (1 hrs)	KJG	
4		Day 19 31.07.2020	An understanding of the ISO 14001 (Environmental Management System) (EMS4)	• Introduction and concepts (1 hrs)	SPI	
		Day 20 01.08.2020		• Introduction and concepts (1 hrs)	SPI	
		Day 21 02.08.2020		• Introduction and concepts (1 hrs)	KJG	
5	Week 4	Day 22 03.08.2020	An Overview on Legal aspects in Environment, Health and safety (LAEHS5)	• Legislative measures in industrial safety: Factories Act, 1948 (2 hrs)	VDB	Video/ E-Content
		Day 23 04.08.2020		• Workman's Compensation Act, 1943 (2 hrs)	VDB	Video/ Quiz
		Day 24 05.08.2020		• Environmental (Prevention and control) Act 1986 (1 hrs)	VDB	Video/ Quiz
		Day 25 06.08.2020		• Environmental (Prevention and control) Act 1986 (1 hrs)	SPI	Assignment
-		Day 26 07.08.2020	Project Work	• Project Work (Related to Course Content) (2 hrs)	KJG	
-		Day 27 08.08.2020		• Project Work (Related to Course Content) (2 hrs)	VDB	
-		Day 28 09.08.2020	(Related to Course Content) (PW6)	• Project Work (Related to Course Content) (2 hrs)	KJG	
-	Week 5	Day 29 10.08.2020		• Project Work (Related to Course Content) (2 hrs)	VDB	
-		Day 30 11.08.2020	Final Theory Exam	• Final Theory Exam (1 hrs)	KJG	

Sr. No.	Day No.	E-CONTENT
1.	Day 1	Introduction to Health, Safety and Environment.
2.	Day 2	Importance of Environmental safety
3.	Day 3	Introduction to Occupational health Hazard
4.	Day 4	Common Occupational Health Hazard
5.	Day 5	Hazard and Hazard Identification
6.	Day 6	Types of Industrial Hazard
7.	Day 7	Types of Industrial Hazard
8.	Day 8	Method of Hazard Identification : HAZOP Technique
9.	Day 9	Hazard prevention and control
10.	Day 10	Hazard prevention and control
11.	Day 11	Emergency Planning : Introduction
12.	Day 12	Emergency Planning : Cocept
13.	Day 13	Emergency Planning : Key Elements
14.	Day 14	Chemical Safety : Introduction
15.	Day 15	Chemical Safety : Hazard Control
16.	Day 16	Chemical Safety : Guidelines
17.	Day 17	ISO : Concept & Introduction
18.	Day 18	ISO 14001 Part 1
19.	Day 19	ISO 14001 Part 2
20.	Day 20	Environmental management System (EMS)
21.	Day 21	Legislative measures in Industrial Safety
22.	Day 22	The Employee's Compensation Act ,1923
23.	Day 23	Final Output EPA 1986 Part I
24.	Day 24	Final Output EPA 1986 Part II
25.	Day 25	Final Output EPA 1986 Part III
26.	Day 26	Project Details
27	Day 27	PPE For Hazardous Material
28	Day 28	Ergonomics

Assessment

Assessment Result Sheet		
Sr. No.	**Name of Students**	**Grade**
1	Adeeba Tasneem Sheikh	D
2	Aditi Mamankar	D
3	Aditya Gaikwad	D
4	Aishwarya Tayade	Outstanding(A+)
5	Ajay Kothale	C
6	Anagha Lonkar	Satisfactory(B)
7	Anand Dahikar	Outstanding(A+)
8	Ankita Bhadange	Outstanding(A+)
9	Anup Taywade	C
10	Ashwini Goswami	C
11	Bhavesh Raut	D
12	Bijal Tayade	Excellent(A)
13	Chaitali Thakre	Outstanding(A+)
14	chetan satpute	Excellent(A)
15	dhananjay nakhale	Excellent(A)
16	Dharmendra Choudhary	C
17	Divya Agham	Outstanding(A+)
18	Harshada Thakare	C
19	INDRANIL CHOUDHARI	D
20	KALYANI BHATKAR	Excellent(A)
21	Kalyani Takarkhede	D
22	Kirtika Mohod	Outstanding(A+)
23	Manisha Bhatkar	D
24	Mohini A Konde	Good(B+)
25	Mohini Konde	C
26	Nandini Lomate	Good(B+)
27	NIDHI LENDE	D
28	Nidhi Lende	Outstanding(A+)
29	Pallavi Gaikwad	C
30	pallavi gaikwad	D
31	Parvani Ghormade	Outstanding(A+)
32	pooja dutonde	C
33	Pooja Lawhale	Outstanding(A+)
34	PRACHI RAUT	Good(B+)
35	Pranali Abruk	C
36	PRATIKSHA GADE	Outstanding(A+)
37	Pratiksha Ninnore	C
38	Pratiksha Sahu	Excellent(A)
39	Pratiksha Vighe	Outstanding(A+)
40	Pratiksha Wankhade	Excellent(A)
41	premahekde hekde	Good(B+)
42	PRITI WASUKAR	D
43	Pruthwa Umale	D

44	Raksha Bokade	C
45	Renuka Uike	D
46	Renuka Wankhade	Good(B+)
47	Roshani Bhadange	Excellent(A)
48	Rucha Kaple	Outstanding(A+)
49	Ruchita Jumade	Excellent(A)
50	Rutuja Bannore	Excellent(A)
51	Rutuja Pangarkar	Excellent(A)
52	Rutuja Shende	Outstanding(A+)
53	Sagar thakare	D
54	Sakshi Deshmukh	Outstanding(A+)
55	Samiksha Bondre	Outstanding(A+)
56	samiksha gade	Excellent(A)
57	Sanjay Bhadanage	D
58	Saurabh Bijwe	Good(B+)
59	SHARAYU MALAMKAR	D
60	Shivaji Abruk	D
61	Shivanee Bawaner	Excellent(A)
62	Shivani Deshmukh	Good(B+)
63	Shivani Parise	Outstanding(A+)
64	Shre yas	D
65	Shruti Deshmukh	Outstanding(A+)
66	Shruti Wankhade	D
67	Shruti Yawale	Outstanding(A+)
68	Shubhangi Deshmukh	Excellent(A)
69	shweta lahane	Outstanding(A+)
70	Snehal Chondhe	Outstanding(A+)
71	Srushti chinchmalatpure	Excellent(A)
72	Tejal Thakare	Satisfactory(B)
73	Tejaswini Abruk	Excellent(A)
74	Tejaswini Gaidhane	Outstanding(A+)
75	Tejawini Dhandar	Satisfactory(B)
76	Tushar Hedau	Excellent(A)
77	tushar hedau	C
78	Vaibhavi Kshirsagar	Excellent(A)
79	vaishnavi gedam	D
80	Vaishnavi Thakare	D
81	Vanshika Rathod	Good(B+)
82	Yogita Thakare	Outstanding(A+)

Shri Shivaji Education Society, Amravati's

Shri Shivaji Science College

Shivaji Nagar, Nagpur Road, Amravati (MS)

NAAC Accredited by Grade "A" with CGPA of 3.13 (Third Cycle),
UGC Awarded Status of College with Potential for Excellence (Second Phase),
Identified by DST, Govt of India for FIST and Sant Gadge Baba Amravati University, Amravati as Lead College

Affiliated to Sant Gadge Baba Amravati University, Amravati (MS) INDIA



CERTIFICATE

This Certificate is awarded to

.....

Position: Student **Affiliation:** SGBAU, Amravati

For the successful completion of the Online Certificate Course on **Health, Safety and Environment** as prescribed and ported by the Department of Environmental Science
during 13th July -11th August 2020.
His/Her performance was
Satisfactory(B)/ Good(B+)/ Excellent(A)/ **Outstanding**(A+).

Course Coordinator	Head of the Department	IQAC Coordinator	Principal

Date: 18/08/2020

Summary Report and Outcome

Summary Report and Outcome
Certificate course in Health, Safety and Environment (CCHSE)
2019 – 2020

The certificate course was conducted in online mode from **13-07-2020 to 11-08-2020**. The duration for this certificate course was of one month. **82 students** among U.G. & P.G. from the Dept. of env. Sci. was enrolled for this certificate course.

What's up group was created for the communication among participant students. Google classroom was also created to upload the e-content related to CCHSE. Students were asked to submit case studies report related to Health Safety as internal Assessment. At the end final examination was conducted. Successful candidates were given certificates.

Outcome of the course:

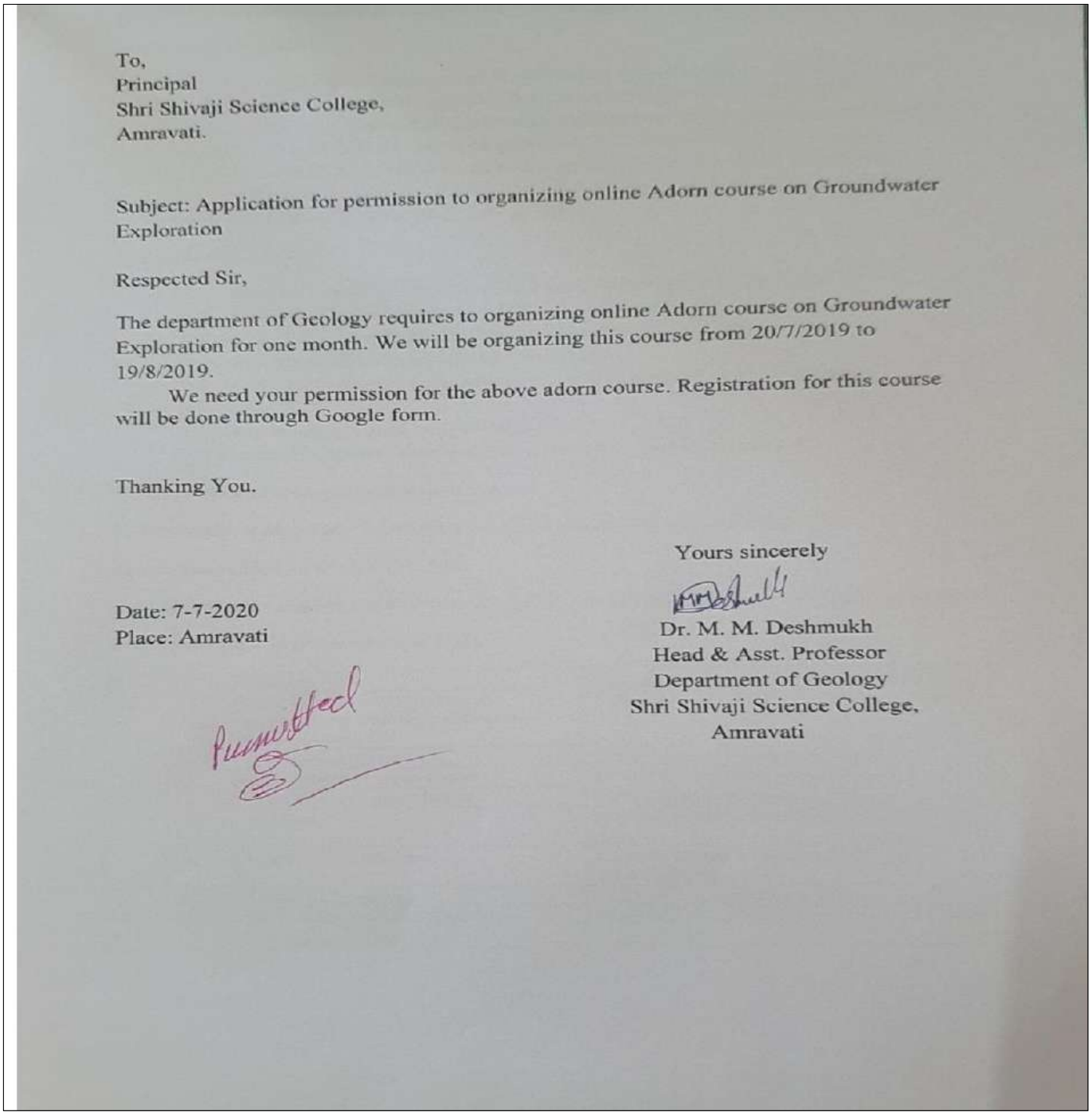
- Value added courses are the types of courses which help a particular individual to develop their own skills in their chosen field of the study. They are mostly independent to each type of the fields.
- Learn about various global and regional environmental concerns that affect various forms of life.
- This course prepares students to meet the vast requirements of professionals having suitable qualification as well as exposure in the Health, Safety and Environment industry.
- Students will be trained in determining environmental, health and safety impacts on operations, and also in developing, executing and monitoring environmental health and safety programs.
- The programme aims to cater learners to acquire and demonstrate competency in Environment Health & Safety, making them Knowledgeable and competent to make a Prospective career in Industry in the field of safety.



Dr. S.P. Ingole
Head
Dept. Of Environmental Science
Shri Shivaji Science College,
Amravati.

Dept. of Geology (certificate Groundwater Exploration)

Name and Duration of the Program



To,
Principal
Shri Shivaji Science College,
Amravati.

Subject: Application for permission to organizing online Adorn course on Groundwater Exploration

Respected Sir,

The department of Geology requires to organizing online Adorn course on Groundwater Exploration for one month. We will be organizing this course from 20/7/2019 to 19/8/2019.

We need your permission for the above adorn course. Registration for this course will be done through Google form.

Thanking You.

Yours sincerely

Date: 7-7-2020
Place: Amravati

Dr. M. M. Deshmukh
Head & Asst. Professor
Department of Geology
Shri Shivaji Science College,
Amravati

Permitted

Department of Geology, Shri Shivaji Science College, Amravati is organising a One Month -- online -- Certificat course on" Ground Water Exploration (HydroGeology)"

This course is exclusively and only for Students of Shri Shivaji Science College, Amravati B.Sc. and M.Sc.



Please register using the following link

https://docs.google.com/forms/d/e/1FAIpQLSdHaOHC8TnUc1o3Yi0gz0FfJVRQYSwbptpUvzYg1oA6dkkl2Q/viewform?usp=sf_link

Registration Fees: FREE

Telegram Link
https://t.me/joinchat/AAAAAFkWE8LQGGk__JotUw

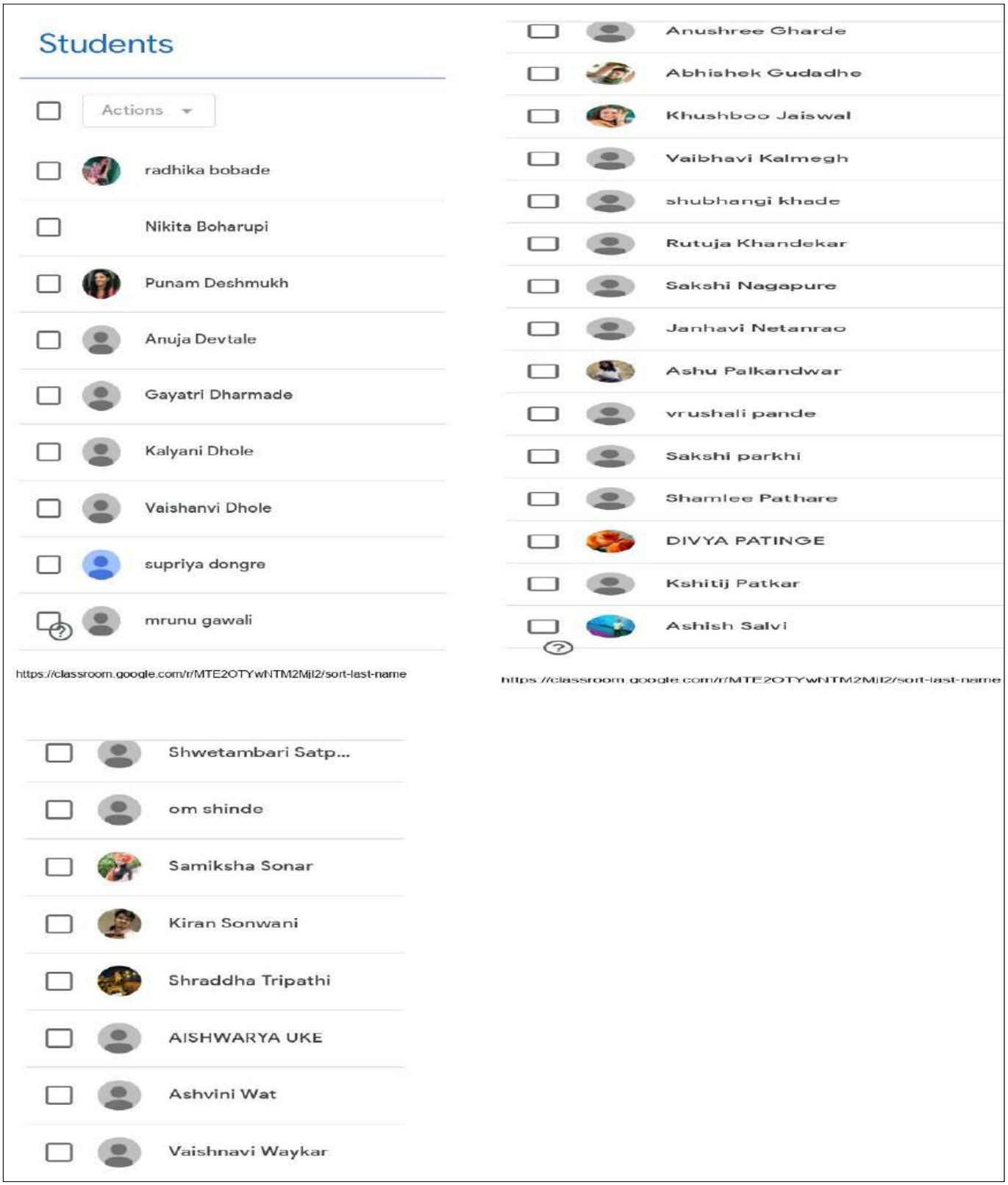
The last date for Registration is 09-07-2020 06.00 PM



E-certificates will be issued to participants whose score in full course (Quiz + Assignment + Final Exam Quiz) is above 40%

Further Details will be provided on Telegram Group Only

List of the Students Enrolled and Attendance



Curriculum and Time table

Week	Day	Syllabus	Hours
Week 1	1	Unit 1 Groundwater hydrology , Groundwater hydrology relation to other sciences	Theory 40 min + Summary 10 min
	2	Hydrological cycle	Theory 40 min + Summary 10 min
	3	Occurrences of groundwater	Theory 40 min + Summary 10 min
	4	Distribution of groundwater	Theory 40 min + Summary 10 min
	5	Practical	Practical 40 min + Summary 10 min
	6	Practical & Discussion	Practical 40 min + Summary 10 min+ Discussion 2hr
	7	Test & Assignment	Test 1 hr + Assignment 1.30 min
Week 2	8	Water table and water table maps, Piezometric surface	Theory 40 min + Summary 10 min
	9	Influent and effluent seepage	Theory 40 min + Summary 10 min
	10	Theory of groundwater flow, Darcy's law and its limitation for groundwater flow	Theory 40 min + Summary 10 min
	11	Aquifer and their types	Theory 40 min + Summary 10 min
	12	Practical	Practical 40 min + Summary 10 min
	13	Practical & Discussion	Practical 40 min + Summary 10 min+ Discussion 2hr
	14	Test, Assignment	Test 1 hr + Assignment 1.30 min
Week 3	15	Hydrological properties of rock and their definition	Theory 40 min + Summary 10 min
	16	Porosity and permeability	Theory 40 min + Summary 10 min
	17	Specific yield and specific retention	Theory 40 min + Summary 10 min
	18	Methods of determination	Theory 40 min + Summary 10 min
	19	Practical	Practical 40 min + Summary 10 min
	20	Practical & Discussion	Practical 40 min + Summary 10 min+ Discussion 2hr
	21	Test, Assignment	Test 1 hr + Assignment 1.30 min
Week 4	22	Occurrences of groundwater in different rock – Igneous rock	Theory 40 min + Summary 10 min
	23	Sedimentary rock &Metamorphic rock	Theory 40 min + Summary 10 min
	24	Lithological, structural and stratigraphic control of groundwater occurrences	Theory 40 min + Summary 10 min
	25	Groundwater provinces of India	Theory 40 min + Summary 10 min
	26	Groundwater conditions in different parts of Maharashtra	Practical 40 min + Summary 10 min
	27	Practical & Discussion	Practical 40 min + Summary 10 min+ Discussion 2hr
		Final Test	2 hr
		Total	**40 hr**

Syllabus:

Theory:

Unit1. I) Groundwater Hydrology and its relation to other sciences.

II) Hydrogeological cycle

III) Occurrence and distribution of groundwater

Unit 2. I) Water table and water table maps, piezometric surface.

II) Influent and Affluent seepage and springs.

III) Theory of groundwater flow

IV) Aquifers and their types.

Unit 3. Hydrologic properties of rocks and their definition and methods of determination.(Porosity, permeability, Specific yield, Specific retention, etc)

Unit 4. I) Occurrence of groundwater in different rock types: Igneous, sedimentary and metamorphic rock.

II) Lithological, stratigraphic and structural control of groundwater occurrence.

III) Groundwater provinces of India.

IV) Groundwater conditions in different parts of Maharashtra.

Practical:

I) Study of Topographic survey sheets.

II) Plotting of groundwater provinces of India

Assessment

Sr. No.	Name of Student	Class	Group	Marks	Email-ID
1	Mr Kiran jodhansonwani	B.Sc. II	PHG	30.00 / 45	Kiransonwani770@gmail.com
2	JanhaviPrabhudasNetanrao	B.Sc. II	PHG	30.00 / 45	janhavinetanrao@gmail.com
3	ShamleeGajananPathare	B.Sc. I	CAP	36.00 / 45	shamleepathare53958@gmail.com
4	Vaishnavivitthalrao dhole	B.Sc. II	CAP	36.00 / 45	Vaishnavivdhole@gmail.com
5	Vaibhavi Sanjay kalmegh			30.00 / 45	lalitakalmegh30@gmail.com
6	Ku. ShubhangiGajanan Khade	B.Sc. III	CAP	33.00 / 45	shubhangikhade1999@gmail.com
7	VrushaliDilipPande	B.Sc. III	CAP	45.00 / 45	vrushalipande733@gmail.com
8	Shwetambarishrinivassatpute	B.Sc. I	CAP	45.00 / 45	Shwetasatpute55@gmail.com
9	Vidhibhagwansardar	B.Sc. I	PHG	18.00 / 45	vidhisardar12@gmail.com
10	KshitijDeokisanPatkar	B.Sc. I	PHG	24.00 / 45	kshitijpatkar55@gmail.com
11	AshleshasanjayraoPalkandwar	B.Sc. III	CAP	24.00 / 45	ashuspalkandwar@gmail.com
12	SupriyaDongre	B.Sc. III	CAP	39.00 / 45	supriyadongre1999@gmail.com
13	VaishnaviWaykar			39.00 / 45	vaishnaviwaykar0411@gmail.com
14	Nikita bhanrajpantBoharupi	B.Sc. II	CAP	9.00 / 45	nikitabha@gmail.com
15	AshleshasanjayraoPalkandwar	double		24.00 / 45	ashuspalkandwar@gmail.com
16	Abhishek Gudadhe	B.Sc. II	PHG	21.00 / 45	abhishekgudadhe123@gmail.com
17	Divya Prakash Patinge	B.Sc. I	CAP		divyapatinge17@gmail.com
19	Week 3 assignment			14.00 / 20	
20	Divya Prakash Patinge Quiz week 3			18.00 / 20	divyapatinge17@gmail.com

Summary Report and Outcome

Summary Report &Course Out-Come: -

Department of Geology conducted value-added "Certificate course on groundwater exploration" (Hydrogeology) in session 2019-20 dated 20th July 2020 to 25th August 2020 for duration of One Month and total of 34 students participated in this course. In course was in towards making students aware about introductory requirement to understand ground water exploration and its related problems. This course covered building-block contains to understand groundwater and its integral relationship with geology. After completion of course students are able to understand groundwater conditions in various lithological units and expected behaviour groundwater in varied litho-stratigraphic unit in relation to various geological structure. Students learned about importance of groundwater in changing societies and why sustainable use of groundwater is necessary. Course also enriched students on groundwater conditions in various parts of Maharashtra and surrounding area.

Course Out-Come: -

1) Students were able to understand and analyze various components and interrelationship of hydrological cycle.

2) Understanding of Occurrences and distribution of groundwater and better Understand about interrelationship between groundwater and surface water.

3) Learning, understanding of theories governing groundwater and its application in understanding flow of water beneath Earth surface and gained applicable knowledge of different rock types to understand their water holding capacities.

4) Broad Understanding of groundwater provinces of India and better understand of groundwater conditions in various parts of Maharashtra.

Dept. of Language (Online Certificate Course in English Communication Skills)

Name and Duration of the Program

Online Certificate Course in English Communication Skills – 2019-2020

Notice10.08.2019

ShriShivaji Science College, Amravati

Certificate Course in

English Communication Skills 2019-20

To be introduced by

The Department of Languages

The students are hereby informed that the Department of Languages is introducing an Add-On Corse entitled **"Certificate Course in English Communication skills"**. Any student enrolled for UG/PG course in this college can apply for this course which is starting from **05.09.2019**

Interested students should enroll themselves **before 30.08.2018**to the Course Co-ordinator Prof. Punam V. Barabde in the Department of Languages.

Course Details:

- **Course Duration: 30 Hrs.**
- **Examination Pattern:**

Theory: Written Examination of 01.30 Hr. comprising-
10 Multiple- Choice Questions carrying 20 Marks
04 Descriptive Questions carrying 20 Marks
Presentations and Viva-Voce testing Listening/ Speaking/Reading Skills carrying 60 Marks
Minimum Marks to pass the Examination: 40/100
Successful students will be provided Certificates of the Course.

- **Course Fees- No Fees will be charged from this college students**

The details regarding the Course Contents are displayed on the Departmental Notice Board of the Department of Languages.

Course Coordinator **Principal**

List of the Students Enrolled and Attendance

Certificate Course in English Communication Skills 2019-20

List of Students Enrolled:

Sr.No	Name of the student
1	AdhawalMonaliDilip
2	Adsad Shivani Surendra
3	Andhale Manisha Subhash
4	Band Vaishnavi Pradip
5	BanubakodeParitosh Atul
6	Bhande Nikita Sureshrao
7	BhoreBhagyashriRamkrushna
8	Bonde Arpit Raju
9	Bramhankar Rajesh Hukumchand
10	BurghateRushikeshJayshwar
11	Chaudhari Shivani Bhaurao
12	Chule Shekhar Waman
13	Chunade Kalyani Nanasaheb
14	Dahapute Anup Purushottam
15	Deshmukh Shivani Nilkhantrao
16	Dhande Dinesh Ganaji
17	Dohale Lakshita Bhagwan
18	HawareNirant Anil
19	JadhaoRajlaxmiRajusing
20	Jagtap Riya Prakash
21	Jaiswal Shraddha Hemant
22	Kanerkar Ruchika Sanjay
23	Lahamge Vaishnavi Gajananrao
24	Pathan ShuaaSaherAniskhan
25	Pillai AnchaliSomasekharan
26	Ramekar Rohan Vilasrao
27	Range Shivani Rajendra
28	RavekarRevati Sanjay
29	Sagane Riya Diwakarrao
30	Sawarkar Kunal Dhanraj
31	Sheikh AseerSalik Jani Miyan
32	SukhadanSuhasKamalprakash
33	SuneSarveshSanjayrao
34	Umale Swaraj Arvind
35	Umap Nandini Arunrao
36	Zodpe Trupti Sanjay
37	ChandurkarAaratiShubash
38	GidhwaniRenu Parmanand
39	Kawitkar Mayuri I Prakashrao
40	Nemane Gayatri Sanjay

Curriculum and Time table

Weekly Plan:

Week 1 **20th July – 25th July** **2020**	**Module -I Basic English Grammar and Grammar in Context** 1. Significance of the English language 2. Significance of English Grammar 3. Punctuation 4. Subject-Verb Agreement 5. Articles 6. Parts of speech
Week 2 **27th July – 01st August** **2020**	**Module -I Basic English Grammar and Grammar in Context** 1. Prepositions 2. Kinds of sentences 3. Tenses Form 4. Use ofTenses 5. Voices 6. Narration
Week 3 **03rd August – 08th August** **2020**	**Moudle -II. Listening, Speaking and Reading Skills.** 1. Introduction to the skills of the English Language 2. Improving Listening skills 3. Improving Reading skills 4. Improving Speaking skills 5. Greetings and Introducing 6. Seeking Permissions 7. Self-Introduction 8. Inviting, suggesting, accepting and refusing 9. Completing a dialogue 10. Language in formal, semi-formal and informal context
Week 4 **08th August – 14th August** **2020**	**Module-III:Writing Skills** 1. Essay-writing 2. Letter-writing 3. Preparation of Resume 4. Report-Writing: Newspaper Reports and Minutes of the Meeting 5. Summarizing, Note-Making and Note-Taking 6. Writing E-Mails & Blogs **Module-IV Presentation Skills** 1. Effective Presentation Techniques 2. Seminar Presentations 3.Compering, Welcome Address and Vote of Thanks 4. Body Language

Course Co-coordinator **Course Instructors: Ms. Poonam V. Barabde**

Ms. Poonam V. Barabde **Dr. Manish S. Gaikwad**

4. Curriculum

Moudle -I. Introduction to the Language Skills: Listening, Speaking and Reading.

1. Nature and significance of English Language
2. Introduction to the skills of Language
3. Listening and speaking skills
4. Introduction to English sounds
5. Vowel sounds
6. Consonantal sounds
7. Word accent and stress shift
8. Accent and rhythm in connected speech
9. Intonation
10. Listening Radio and TV programmes and recorded conversations and differentaccents.

Module -II Basic Grammar and Grammar in context

1. Introduction to English Grammar
2. Parts of speech
3. Verb, Tenses: Form and use
4. Use of auxiliaries and Modals
5. Articles and prepositions
7. Kinds of sentences
8. Transformations of sentences
9. Voices
10. Narration
11. Common Errors

Module III: Language in Context

1. Greetings and Introducing
2. Asking for information
3. Persuasions
4. Starting a conversation; greeting and asking after
5. Introduction of oneself and others
6. Thanking, Wishing well, apologizing and excusing
7. Offers, requests and orders
8. Inviting, suggesting, accepting and refusing
9. Likes and dislikes
10. Completing a dialogue
11. Seeking permission
12. Offering and giving advice
13. Speaking about oneself
14. Language in formal, semi-formal and informal context

Module-IV Presentation Skills

1. Presentation Techniques
2. Use of quotations and anecdotes
3. Organizing a seminar/symposium/workshop/conference
4. Welcome Address and Vote of Thanks
5. Body Language
6. Interview
7. Essay-writing

8. Letter-writing
9. Preparation of Resume
10. Report-Writing: Newspaper Reports and Minutes of the Meeting
11. Summarizing, Note-Making and Note-Taking
12. Information Transfer
13. E-Communication- E-Mails

List of Students Enrolled:

Assessment

Assessment

Sr.No	Name of the student	Course Examination	Learning Skills	Reading Skills	Speaking Skills	Total Marks
1	AdhawalMonaliDilip	28	16	18	16	78
2	Adsad Shivani Surendra	28	16	16	14	74
3	Andhale Manisha Subhash	20	14	14	12	60
4	Band Vaishnavi Pradip	20	14	14	12	60
5	BanubakodeParitosh Atul	28	14	16	14	72
6	Bhande Nikita Sureshrao	28	12	14	12	66
7	BhoreBhagyashriRamkrushna	24	12	14	12	62
8	Bonde Arpit Raju	28	18	18	16	80
9	Bramhankar Rajesh Hukumchand	30	16	16	16	78
10	BurghateRushikeshJayshwar	28	16	16	14	74
11	Chaudhari Shivani Bhaurao	28	14	16	14	72
12	Chule Shekhar Waman	28	14	16	14	72
13	Chunade Kalyani Nanasaheb	30	14	16	12	72
14	Dahapute Anup Purushottam	26	14	16	14	70
15	Deshmukh Shivani Nilkhantrao	26	12	14	12	64
16	Dhande Dinesh Ganaji	26	12	14	12	64
17	Dohale Lakshita Bhagwan	24	12	14	12	62
18	HawareNirant Anil	24	14	14	14	66
19	JadhaoRajlaxmiRajusing	30	18	18	16	82
20	Jagtap Riya Prakash	26	14	16	14	70
21	Jaiswal Shraddha Hemant	26	12	14	12	64
22	Kanerkar Ruchika Sanjay	24	14	14	12	64
23	Lahamge Vaishnavi Gajananrao	26	14	16	14	70
24	Pathan ShuaaSaherAniskhan	28	16	16	14	74
25	Pillai AnchaliSomasekharan	26	16	16	14	72
26	Ramekar Rohan Vilasrao	28	16	16	14	74
27	Range Shivani Rajendra	28	16	18	16	78
28	RavekarRevati Sanjay	28	16	18	16	78
29	Sagane Riya Diwakarrao	30	16	16	16	78
30	Sawarkar Kunal Dhanraj	28	14	16	14	72
31	Sheikh AseerSalik Jani Miyan	32	16	18	16	82
32	SukhadanSuhasKamalprakash	28	14	16	14	72
33	SuneSarveshSanjayrao	28	14	16	14	72
34	Umale Swaraj Arvind	28	16	16	14	74
35	Umap Nandini Arunrao	28	16	18	16	78
36	Zodpe Trupti Sanjay	26	16	16	14	72
37	ChandurkarAaratiShubash	30	16	16	16	78
38	GidhwaniRenu Parmanand					
39	Kawitkar Mayuri I Prakashrao					
40	Nemane Gayatri Sanjay					

Course Coordinator



Shri Shivaji Education Society, Amravati's

Shri Shivaji Science College

Shivaji Nagar, Nagpur Road, Amravati (MS)

NAAC Accredited by Grade "A" with CGPA of 3.13 (Third Cycle).

UGC Awarded Status of College with Potential for Excellence (Second Phase).

Identified by DST, Govt of India for FIST and Sant Gadge Baba Amravati University, Amravati as Lead College

Affiliated to Sant Gadge Baba Amravati University, Amravati (MS) INDIA

CERTIFICATE

This Certificate is awarded to

Position: Student **Affiliation:** SGBAU, Amravati

For the successful completion of the Online Certificate Course in English Communication Skills as prescribed and ported by the Department of Languages

during **05.09.2019-05.10.2019.**

His/Her performance was

Satisfactory(B)/ Good(B+)/ Excellent(A)/ **Outstanding(A+).**

Course Coordinator

Date: 18/08/2020

Head of the Department

IQAC Coordinator

Principal

Summary Report and Outcome

Summary Report &Course Outcome

Course Title: Certificate Course in English Communication Skill

Course Duration: 30 Hrs.

Students enrolled and completed the course: 30

Dates: 05.09.2019-05.10.2019

Co-ordinator: Prof. Punam V. Barabde

Examination Pattern:

Theory: Written Examination of 01.30 Hr. comprising-
10 Multiple- Choice Questions carrying 20 Marks
04 Descriptive Questions carrying 20 Marks
Presentations and Viva-Voce testing Listening/ Speaking/Reading Skills carrying 60 Marks
Minimum Marks to pass the Examination: 40/100

- Course Fees- No Fees is charged from this college students

Course Outcome:

1. The course enabled the learners to gain basic English Grammar and conceptual knowledge in the English language.

2. students could equip themselves with skills necessary to face interviews/ Group Discussions to acquire placements.

3. The students got enabled the students to communicate in English.

4. The course helped the students develop a sophisticated awareness of the structure of English, its heritage and role in the world today.

Dept. of Language (Online Certificate Course in English Vocabulary Building)

Name and Duration of the Program

Online Certificate Course in English Vocabulary Building -2019-2020

Notice06.01.2020

ShriShivaji Science College, Amravati

Certificate Course in

English Vocabulary Building- 2019-20

To be introduced by

The Department of Languages

The students are hereby informed that the Department of Languages is introducing a Value Added Course entitled **"Certificate Course in Vocabulary Building".**Any student enrolled for UG/PG course in this college can apply for this course which is **starting from 05.02.2020.**

Interested students should enroll themselves before30.01.2020to the Course Co-ordinatorDr. Manish S. Gaikwad in the Department of Languages.

Course Details:

- **Course Duration: 30 Hrs.**
- **Examination Pattern:**

Theory: Written Examination of 01 Hr. comprising
40 Multiple- Choice Questions carrying 80 Marks
Assignments carrying 20 Marks
Minimum Marks to pass the Examination: 40/100
Successful students will be provided Certificates of the Course.

- **Course Fees-No Fees will be charged from this college students**

The details regarding the Course Contents are displayed on the Departmental Notice Board of the Department of Languages.

Course Coordinator **Principa**

List of the Students Enrolled and Attendance

Certificate Course in English Vocabulary Building 2019-20

List of Students Enrolled:

1	Ali Aqsa Ali Irfan Ali
2	AadeAkshayJaysing
3	Alode Vaishnavi Haribhau
4	AugadSumitBhanudas
5	BarbuddheShreyash Pradip
6	Bhamburkar Mayuri Mulchand
7	Bhasme Radhika Rajendra
8	Bilwe Bhavana Prakash
9	BobadeJaratkumarSheshrao
10	Bontalwar Nikita Bhagwan
11	ChakreVrushali Suresh
12	Chanda Jaypal Ranjit
13	Chavan Vaishnavi Kishor
14	Chokhat Dnyaneshwari Vinayak
15	Dahake Kiran Madhukarrao
16	Deshmukh Juie Pradip
17	Dhande Dinesh Ganaji
18	GangwaniJanaviBaldev
19	GudadheKrutika Prashant
20	Hingne Shivani Ramdas
21	Ingole KartikiAnantrao
22	Kadam Samiksha Eknath
23	Kanerkar Ruchika Sanjay
24	NichatDurgeshwari Vilas
25	PardeDipali Bhaskar
26	Paul PritiSopanrao
27	PundlikMuktai Vinod
28	Ramekar Rohan Vilasrao
29	Sardagadwala Tuba Md. Salim
30	ShekhSamreen Shad Abdul Habib
31	ShelkePiyush.Ravindra
32	TekadeHarshadaGovindrao
33	Thakare Sakshi Kiran
34	ThosarJagrutiSadgunrao
35	Wadatkar Vaishnavi Rameshwar
36	WankhadeSnehalWalmikrao
37	Gawande Aniruddha Sanjay
38	Godhane Yash Vinod
39	RAUT ANUP Gajanan
40	Yadav KalayaniMunna

Curriculum and Time table

Course Contents:

1. Root Study
2. Words from the World of Colours
3. Words from the Animal Kingdom
4. Words from Mythology and History
5. Words from Science and Technology
6. Words from Games and Sports
7. Words from Arts and Music
8. Words from Law and Judiciary (legal Terms)
9. Words describing Human Personality and Character
10. Psychological and Medical Terms
11. Affixes: Prefixes & Suffixes
12. Four-Letter Power Words
13. Verbs: The Action Words
14. Interesting Nouns
15. Words formed from Names of Persons and Places
16. Words from All Over the Map
17. Words Expressing Difficulties, Dilemmas and Hitches
18. Words expressing Emotions: Love, Courage, Fear, Appreciation, Flattery, Contempt etc.
19. Words of Foreign Borrowings: Greek, Latin, Roman, Italian, French
20. Words about Language and Speech
21. Words for Life and Living Beings
22. Words from the World of Media
23. Adjectives: The Descriptive Words
24. Homonyms, Homophones & Homographs
25. Synonyms and Antonyms
26. Compound Words/Words with Hyphenation
27. Words with Positive and Negative Connotations
28. Misleading Words
29. Figurative Expressions
30. Crunchy Phrases and Idioms

Assessment

	Name of the Student	A-1	A-2	A-3	A-4	Final exam	Total Marks
1	Ali Aqsa Ali Irfan Ali	4	4	4	4	66	82
2	AadeAkshayJaysing	4	3	4	4	68	83
3	Alode Vaishnavi Haribhau	4	4	3	4	68	83
4	AugadSumitBhanudas	3	4	4	4	70	85
5	BarbuddheShreyash Pradip	5	4	4	5	68	86
6	Bhamburkar Mayuri Mulchand	5	5	5	5	66	86
7	Bhasme Radhika Rajendra	5	5	5	5	70	90
8	Bilwe Bhavana Prakash	4	4	4	4	60	76
9	BobadeJaratkumarSheshrao	4	4	5	5	62	80
10	Bontalwar Nikita Bhagwan	4	3	4	4	60	75
11	ChakreVrushali Suresh	5	5	5	5	68	88
12	Chanda Jaypal Ranjit	4	3	4	4	58	73
13	Chavan Vaishnavi Kishor	4	4	4	4	62	78
14	Chokhat Dnyaneshwari Vinayak	5	5	4	4	66	84
15	Dahake Kiran Madhukarrao	5	4	5	5	66	85
16	Deshmukh Juie Pradip	4	4	5	5	62	80
17	Dhande Dinesh Ganaji	4	4	4	4	60	76
18	GangwaniJanaviBaldev	5	4	5	4	66	84
19	GudadheKrutika Prashant	5	5	5	5	60	80
20	Hingne Shivani Ramdas	4	5	4	3	58	73
21	Ingole KartikiAnantrao	3	4	4	4	60	75
22	Kadam Samiksha Eknath	5	5	4	4	62	80
23	Kanerkar Ruchika Sanjay	4	4	4	4	64	80
24	NichatDurgeshwari Vilas	4	4	4	3	60	75
25	PardeDipali Bhaskar	4	4	4	4	60	76
26	Paul PritiSopanrao	5	5	5	4	62	81
27	PundlikMuktai Vinod	5	5	5	5	68	88
28	Ramekar Rohan Vilasrao	5	5	4	5	64	83
29	Sardagadwala Tuba Md. Salim	5	5	4	5	66	85
30	ShekhSamreen Shad Abdul Habib	5	5	5	5	68	88
31	ShelkePiyush.Ravindra	5	5	4	4	62	80
32	TekadeHarshadaGovindrao	5	5	5	5	64	84
33	Thakare Sakshi Kiran	4	4	3	4	58	73
34	ThosarJagrutiSadgunrao	4	4	4	4	64	80
35	Wadatkar Vaishnavi Rameshwar	5	5	4	4	64	82
36	WankhadeSnehalWalmikrao	4	4	4	4	62	78
37	Gawande Aniruddha Sanjay	3	4	4	4	60	75
38	Godhane Yash Vinod	4	4	4	5	66	83
39	RAUT ANUP Gajanan	5	5	5	5	68	88
40	Yadav KalayaniMunna	4	4	4	4	66	82

Shri Shivaji Education Society, Amravati's

Shri Shivaji Science College

Shivaji Nagar, Nagpur Road, Amravati (MS)

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Identified by DST, Govt of India for FIST and Sant Gadge Baba Amravati University, Amravati as Lead College

Affiliated to Sant Gadge Baba Amravati University, Amravati (MS) INDIA



CERTIFICATE

This Certificate is awarded to

Position: Student **Affiliation :** SGBAU, Amravati

For the successful completion of the Online Certificate Course in English Vocabulary Building as prescribed and ported by the Department of Languages during **05.02.2020- 03.03.2020**.

His/Her performance was

Satisfactory(B)/ Good(B+)/ Excellent(A)/ **Outstanding(A+)**.

Course Coordinator **Head of the Department** **IQAC Coordinator** **Principal**

Date: 18/08/2020

Summary Report and Outcome

Summary Report of Add On Course

Course Title: Certificate Course in English Vocabulary Building

Department of Languages

Course Duration: 30 Hrs.

Students enrolled and completed the course: 40

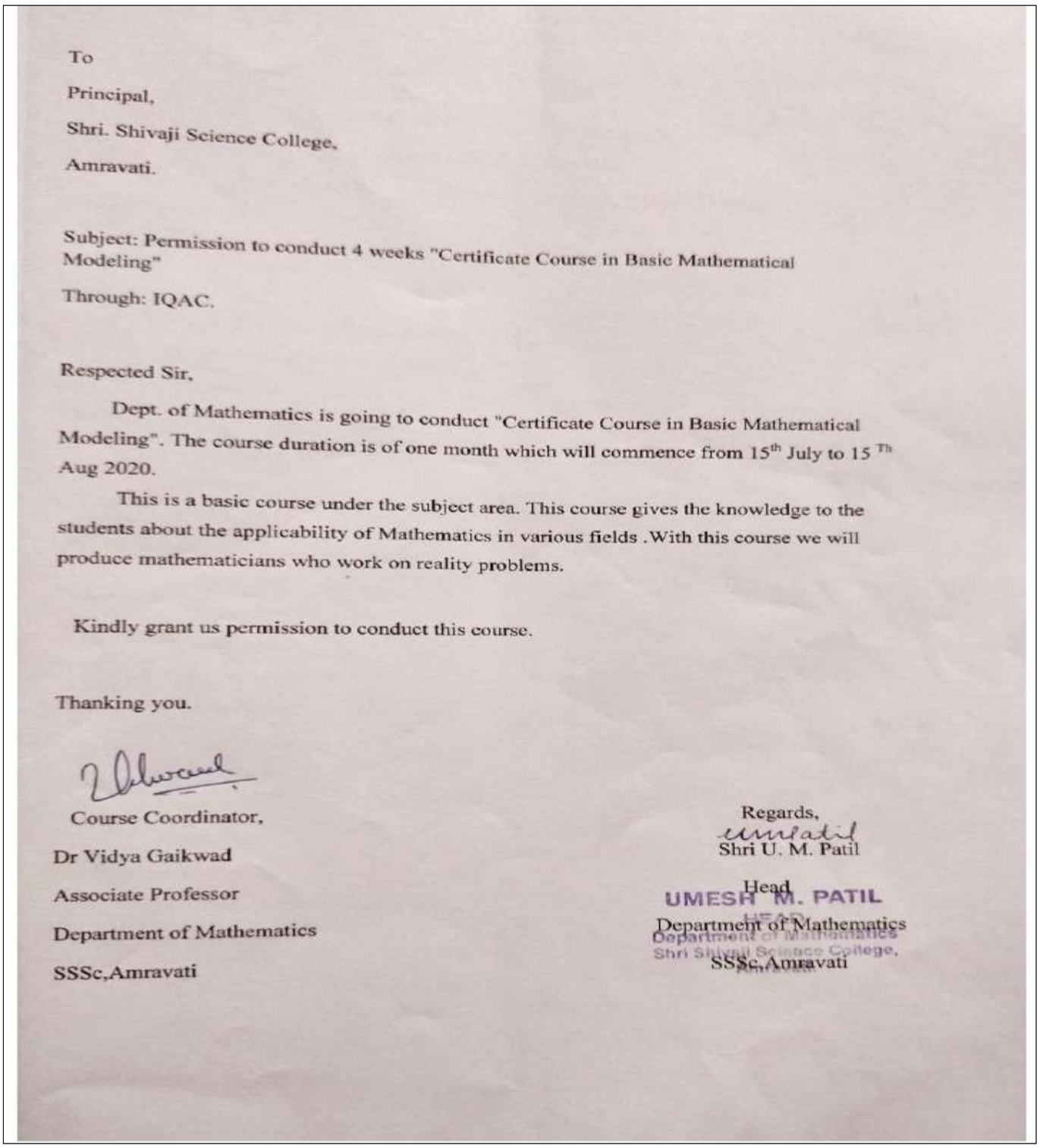
Dates: 05.02.2020- 03.03.2020

Admission Criterion: Any student enrolled for UG/PG course in this college

Course Coordinator: Dr. Manish S. Gaikwad

Dept. of Mathematics (Certificate Course in Basic Mathematical Modeling)

Name and Duration of the Program



To

Principal,

Shri. Shivaji Science College,

Amravati.

Subject: Permission to conduct 4 weeks "Certificate Course in Basic Mathematical Modeling"

Through: IQAC.

Respected Sir,

Dept. of Mathematics is going to conduct "Certificate Course in Basic Mathematical Modeling". The course duration is of one month which will commence from 15th July to 15 Th Aug 2020.

This is a basic course under the subject area. This course gives the knowledge to the students about the applicability of Mathematics in various fields .With this course we will produce mathematicians who work on reality problems.

Kindly grant us permission to conduct this course.

Thanking you.

Course Coordinator,
Dr Vidya Gaikwad
Associate Professor
Department of Mathematics
SSSc,Amravati

Regards,
Shri U. M. Patil
Head
Department of Mathematics
SSSc,Amravati

UMESH M. PATIL
HEAD
Department of Mathematics
Shri Shivaji Science College,
Amravati



CERTIFICATE COURSE

IN

"BASIC MATHEMATICAL MODELING"

Organized by
Dept. of Mathematics
Shri. Shivaji Science College, Amravati.

Session:2020-21

List of the Students Enrolled and Attendance

ıts for Certificate Course in Basic Mathe	
Sr.No.	**Name of the students**
1	Abhishek Shelke
2	Achal Khope
3	Adiba Khan
4	Adika Thakare
5	aditee bobade
6	Aditi Vidhale
7	Akash Nalge
8	Akshay Dhumal
9	Amrapali Khobragade
10	Amruta Kale
11	Anagha Rathod
12	Anand Umale
13	ANKITA KAKADE
14	Anushri Kitukale
15	Asra Hussain
16	Bhagyashree Akhare
17	Bhakti Kaware
18	Bhakti Nanwatkar
19	Chinmayi Dixit
20	Dhanashree Kale
21	Dhiraj Bhuyar
22	Dhruv Rai
23	DIPTI THAKRE
24	DIVYANI SARODE
25	Dnyaneshwari Kewatkar
26	FireFox Legend
27	harshada rahate
28	Harshal Bhendare
29	Janhavi Ganvir
30	Jaya Magroriya
31	Kalyani Dhonde
32	Kalyani Jadhav
33	Kalyani Khond
34	Kapil Nile
35	komal kashani
36	laxmi jagtap
37	Laxmi Myadre
38	Manali Mhala
39	Manaswi Rohankar
40	Mangesh Wasu
41	Nalanda Khobragade
42	Nayan Agrawal
43	Nikhilesh gawhale
44	Nikita Chandiwale
45	Om Asegaonkar
46	OM YEOLE
47	pallavi chandure
48	pallavi malve

49	Pallavi Raut
50	Paurnima Kathale
51	Pooja Dhote
52	Pragati Jadhao
53	Prajakta khadse
54	Prajakta pimpalshende
55	Pranav Dahare
56	Pranjal Akotkar
57	pranjali ingole
58	Pratik Durge
59	pratiksha nage
60	Priyanka Wagh
61	Pushyasuraj Janbandhu
62	radhika shirbhate
63	Rakesh Zamde
64	Rohit Chavhan
65	roshan chumble
66	Ruchika Baraskar
67	Ruchika Thakare
68	Rutuja Deshmukh
69	Sakshi Anasane
70	Sakshi Chavhan
71	SAKSHI DAREKAR
72	Sakshi Kale
73	Sakshi Mehare
74	SAKSHI MEHARE
75	Sakshi Mondhe
76	sakshi mundwaik
77	Sakshi Nirgule
78	Sakshi Rakhonde
79	Sakshi Raut
80	Sakshi Tayde
81	Sakshi Thakare
82	samiksha gawali
83	Samiksha Wakode
84	samiksha wankhade
85	Sampada Chore
86	samruddhi deshmukh
87	sanket jagdale
88	Sejal Tiwari
89	sharwari bhedarkar
90	shivani kadu
91	Shiwani Gole
92	shraddha deulkar
93	Shraddha Mehare
94	Shravni Dhanre
95	shreya pande
96	Shrirang Taywade
97	Shrutika Rakhonde
98	Shubham Gaikwad
99	Shubham Jadhav
100	Shubhangi Charpe
101	Shubhangi Raut

102	Siddhesh Gawande
103	Sonali Lokhande
104	sonali shrungare
105	Sopan Manjare
106	SRUSHTI BARBUDHE
107	swati Waghmare
108	Tanvi Dhawane
109	tejas wanve
110	TEJASWINI PATIL
111	Unnati Bansod
112	Vaidehi Barbde
113	Vaishnavi Chavhan
114	Vaishnavi Gawande
115	Vaishnavi Kale
116	Vaishnavi Lonarkar
117	vaishnavi mahore
118	vaishnavi punaskar
119	VEDANGI SHIRBHATE
120	vedika gulhane
121	Yashasvi Rithe
123	yashwant lawankar
124	YOGESHWARI BAMBAL
125	मनंमधुर

Curriculum and Time table

Shri Shivaji Science College, Amravati

Department of Mathematics

Certificate Course in Basic Mathematical Modeling (CCBMM)

Total Hours 40
Marks 100

Syllabus

Module 1: Introduction to Certificate Course in Basic Mathematical Modeling (CCBMM)

1. **What is Mathematical Modeling**
2. **Basic Numerical Tasks**
3. **Model Evaluation.**

Module 2: Types of Mathematical Model

1. **Equations**
2. **Graphs**
3. **Related Rates**

Module 3: Elements of Mathematical Model

1. **Classifications**
2. **Constraction**
3. **Complexity**
4. **Traning and Tuning**

Module 4: Modeling diagram

1. **Modeling diagram**
2. **General rules**
3. **Conflicts**
4. **Attitudes**

Module 5: Applications

A list of Applications and Examples

Module 6: Project Work (PW6)

Detailed time-wise Completed Course Session

Module No.	Day/Date	Contents/Topic and Hours Allotted	Name of Faculty	Video/Quiz/Assignment/Feedback
1	Day 1 15/07/2020	1.1 What is Mathematical Modeling (1hrs)	VJG	https://drive.google.com/open?id=1NDJYimyF60xABERLX5U-ujPiul-D3UnJ&authuser=0
	Day 2 16/07/2020	1.2 Basic Numerical Tasks (1hrs)	VJG	https://drive.google.com/open?id=1-YhczjQiY4lsTeIR3lr_bqdjqz5MrDIn&authuser=0
	Day3 17/07/2020	1.2 Basic Numerical Tasks (1hrs)	VJG	https://drive.google.com/open?id=1-RT75FeoPrT8RXjAZ6kUq4B4odTMASmt&authuser=0
	Day4 18/07/2020	1.3 Model Evaluation (1hrs)	VJG	https://drive.google.com/open?id=1VS9ujsYfj4v7s_zH_SdaS-fyWBsjjovi&authuser=0
	Day5 19/07/2020	1.3 Model Evaluation (1hrs)	VJG	https://www.youtube.com/watch?v=ga-HFwWa7iI
2	Day6 20/07/2020	2.1 Equations (1hrs)	VJG	https://docs.google.com/forms/d/e/1FAIpQLScmat_Paiz7tTM8v4JPInxO1eAntLg8CGQ7r1Msu1gnz5nSRQ/viewform?authuser=0
	Day7 21/07/2020	2.2.Graphs (1hrs)	VJG	https://drive.google.com/open?id=1L1LiMS7OoX8GIAw4JBHgriJgTXU8VltNnHDOMQyF98g&authuser=0
	Day8 22/07/2020	2.2 Graphs (1hrs)	VJG	https://www.youtube.com/watch?v=LqyNs7UyXDk
	Day9 23/07/2020	2.3 Related rates (1hrs)	VJG	https://www.slideshare.net/katherinesilva/mathematical-model
3	Day10 24/07/2020	3.1 Classifications (1hrs)	VJG	https://drive.google.com/open?id=1-gOTbtTEtkVcSuXNX9D2HtSe-ct5OZXys8e3dlGkWL0&authuser=0
	Day11 25/07/2020	3.1 Classifications (1hrs)		https://drive.google.com/open?id=1gTYx7Gldyi38RT8LNpTbvhwaVtcpKlmgqSnP5ISxs0E&authuser=0

	Day12 26/07/2020	3.2 Construction (1hrs)	VJG	https://drive.google.com/open?id=1KU1zLqO1Op1-n474BDJU-5CLhrbFZhNBtmA18Xx40bI&authuser=0
	Day13 27/07/2020	3.2 Construction (1hrs)	VJG	https://drive.google.com/open?id=1pGM05t5ak6iISGFDD-_KmhyYFJKLhCdFTUDw5BcFyNE&authuser=0
	Day14 28/07/2020	3.3 Complexity (1hrs)	VJG	https://drive.google.com/open?id=1WMGeN9CUDNO_DAT3u7G8pk5Et1VNPoyBMrQUi17Mx7I&authuser=0
	Day15 29/07/2020	3.4 Training and tuning (1hrs)	VJG	https://drive.google.com/open?id=11ndQ441VAtKBOn36Z8Oc0hY_vIzvFtIm&authuser=0
	Day16 30/07/2020	3.4 Training and tuning (1hrs)	VJG	https://docs.google.com/forms/d/e/1FAIpQLScdeCswouWQnOVaCGKX-LcTr4UZcivCojv5wS0JPf3hpISXZQ/viewform?authuser=0
4	Day17 31/07/2020	4.1 General rules (1hrs)	VJG	https://drive.google.com/open?id=1RHw8ZOOCU8YaCL3IGbQBIehttps://drive.google.com/open?id=120ShLTa0gNd0Iy6atVaijM-boG8p5kgL&authuser=0EHnteZYkoR&authuser=0
	Day18 01/08/2020	4.2 Modeling diagram (1hrs)	VJG	https://drive.google.com/open?id=1d0uDefTRxA07fauswsVWp8m1Z5w_GLPrmRBdCwEgryY&authuser=0
	Day19 02/08/2020	4.2 Modeling diagram (1hrs)	VJG	https://drive.google.com/open?id=16ifbVRruBBM3GgrSBwT8vTrWbW4hIfMbAjGN8_iMtSM&authuser=0
	Day20 03/08/2020	4.2 Modeling diagram (1hrs)	VJG	https://docs.google.com/forms/d/e/1FAIpQLSdRmxcs2nvw4jVbvinbIoo8fxtvCaUuTAvZhiGBKOcXs5gAoQ/viewform?authuser=0
	Day21 04/08/2020	4.2 Modeling diagram (1hrs)	VJG	https://drive.google.com/open?id=16QV8a0sUxSMadCWyBdB02-tSPw02c0e4&authuser=0

	Day22 05/08/2020	4.3 Conflicts (1hrs)	VJG	https://drive.google.com/open?id=12LVpqkLjzlO3f-HdZFNL25_377WQVsrT&authuser=0
	Day23 06/08/2020	4.3 Conflicts (1hrs)	VJG	https://drive.google.com/open?id=12VT3UN3wm3T9-sESq5Pd_Ah8CrpfdeOD&authuser=0
	Day24 07/08/2020	4.4 Attitudes (1hrs)	VJG	https://drive.google.com/open?id=13-NeH3o-gHRd8eHLJLyjsWzCrORrNZIf&authuser=0
5	Day25 08/08/2020	5.1 A list of applications (1hrs)	VJG	https://docs.google.com/forms/d/e/1FAIpQLSet4oo8CS7t0yvsPkNKKwDjxP8POfm5urlimfcds64r0o9g-A/viewform?authuser=0
	Day26 09/08/2020	5.2 Significance in the natural sciences (1hrs)	VJG	https://drive.google.com/open?id=16w0W0oYCIYbYwF5-MZ980AxGlaVGmAQbmlhm6S6r_wk&authuser=0
	Day27 10/08/2020	5.3 Examples (2hrs)	VJG	https://drive.google.com/open?id=1pSv6kgD4AnAOJxgltslc8XEAfWvayDyFjXxLa2xW3mw&authuser=0
	Day28 11/08/2020	5.3 Examples (2hrs)	VJG	
6	Day29 12/08/2020	Project Work related to the course (3hrs)	VJG	https://drive.google.com/open?id=1Hl4U3v7lsnttr_GpCzOoU2b2BAG82QH78UDe52XFXts&authuser=0
	Day30 13/08/2020	Project Work related to the course (3hrs)	VJG	
	Day31 14/08/2020	Project Work related to the course (2hrs)	VJG	
	Day32 15/08/2020	Final Theory Exam (1hrs)	VJG	https://docs.google.com/forms/d/e/1FAIpQLSe7Hadz2N6kmS0qy3k7mFi8OBZC97qOI3iHo7ot7RszHPFbQQ/viewform?authuser=0

Assessment

Assessment

lents for Certificate Course in Basic Mathemat
(Result)

Sr.No.	Name of the students	Grade
1	Abhishek Shelke	A+
2	Achal Khope	A+
3	Adiba Khan	A+
4	Adika Thakare	A+
5	aditee bobade	B+
6	Aditi Vidhale	B
7	Akash Nalge	B
8	Akshay Dhumal	A+
9	Amrapali Khobragade	B
10	Amruta Kale	A+
11	Anagha Rathod	B
12	Anand Umale	A+
13	ANKITA KAKADE	A+
14	Anushri Kitukale	A+
15	Asra Hussain	B
16	Bhagyashree Akhare	A+
17	Bhakti Kaware	B
18	Bhakti Nanwatkar	A
19	Chinmayi Dixit	B
20	Dhanashree Kale	B
21	Dhiraj Bhuyar	B
22	Dhruv Rai	A+
23	DIPTI THAKRE	A+
24	DIVYANI SARODE	A+
25	Dnyaneshwari Kewatkar	A+
26	FireFox Legend	B
27	harshada rahate	B
28	Harshal Bhendare	B
29	Janhavi Ganvir	A+
30	Jaya Magroriya	B
31	Kalyani Dhonde	A+
32	Kalyani Jadhav	A+
33	Kalyani Khond	A+
34	Kapil Nile	A+
35	komal kashani	A+
36	laxmi jagtap	B
37	Laxmi Myadre	B
38	Manali Mhala	B
39	Manaswi Rohankar	B
40	Mangesh Wasu	B
41	Nalanda Khobragade	B
42	Nayan Agrawal	A+
43	Nikhilesh gawhale	B+
44	Nikita Chandiwale	A+

45	Om Asegaonkar	B+
46	OM YEOLE	A+
47	pallavi chandure	A+
48	pallavi malve	A
49	Pallavi Raut	A
50	Paurnima Kathale	B
51	Pooja Dhote	B
52	Pragati Jadhao	B
53	Prajakta khadse	A+
54	Prajakta pimpalshende	A+
55	Pranav Dahare	A+
56	Pranjal Akotkar	A+
57	pranjali ingole	A+
58	Pratik Durge	A+
59	pratiksha nage	A
60	Priyanka Wagh	A+
61	Pushyasuraj Janbandhu	B
62	radhika shirbhate	A+
63	Rakesh Zamde	A+
64	Rohit Chavhan	A+
65	roshan chumble	A+
66	Ruchika Baraskar	A+
67	Ruchika Thakare	A+
68	Rutuja Deshmukh	A+
69	Sakshi Anasane	A+
70	Sakshi Chavhan	B
71	SAKSHI DAREKAR	A+
72	Sakshi Kale	A+
73	Sakshi Mehare	A+
74	SAKSHI MEHARE	A+
75	Sakshi Mondhe	A+
76	sakshi mundwaik	A+
77	Sakshi Nirgule	A+
78	Sakshi Rakhonde	A+
79	Sakshi Raut	B
80	Sakshi Tayde	A+
81	Sakshi Thakare	B+
82	samiksha gawali	A
83	Samiksha Wakode	B
84	samiksha wankhade	A+
85	Sampada Chore	A+
86	samruddhi deshmukh	B
87	sanket jagdale	B+
88	Sejal Tiwari	A+
89	sharwari bhedarkar	A+
90	shivani kadu	A+
91	Shiwani Gole	A
92	shraddha deulkar	A+
93	Shraddha Mehare	A+
94	Shravni Dhanre	B
95	shreya pande	A+
96	Shrirang Taywade	B
97	Shrutika Rakhonde	A+

98	Shubham Gaikwad	B
99	Shubham Jadhav	A
100	Shubhangi Charpe	A^+
101	Shubhangi Raut	A^+
102	Siddhesh Gawande	A^+
103	Sonali Lokhande	A^+
104	sonali shrungare	A^+
105	Sopan Manjare	B
106	SRUSHTI BARBUDHE	A^+
107	swati Waghmare	B
108	Tanvi Dhawane	A^+
109	tejas wanve	B
110	TEJASWINI PATIL	B
111	Unnati Bansod	A^+
112	Vaidehi Barbde	A^+
113	Vaishnavi Chavhan	A^+
114	Vaishnavi Gawande	A^+
115	Vaishnavi Kale	B
116	Vaishnavi Lonarkar	A^+
117	vaishnavi mahore	A
118	vaishnavi punaskar	B
119	VEDANGI SHIRBHATE	A^+
120	vedika gulhane	A^+
121	Yashasvi Rithe	A^+
123	yashwant lawankar	A
124	YOGESHWARI BAMBAL	A^+
125	मनंमधुर	A^+

Shri Shivaji Education Society, Amravati's

Shri Shivaji Science College

Shivaji Nagar, Nagpur Road, Amravati (MS)

NAAC Accredited by Grade "A" with CGPA of 3.13 (Third Cycle),

UGC Awarded Status of College with Potential for Excellence (Second Phase),

Identified by DST, Govt of India for FIST and Sant Gadge Baba Amravati University, Amravati as Lead College

Affiliated to Sant Gadge Baba Amravati University, Amravati (MS) INDIA



CERTIFICATE

This Certificate is awarded to

Ms. Adibanur ajij khan

Position: Student **Affiliation:** Shri shivaji science college , amravati

For the successful completion of the Online Certificate Course on BASIC MATHMATICAL MODELING by the Department of Mathematics during 15th July -15th August 2020.

His/Her performance was

Satisfactory(B)/ Good(B+)/ Excellent(A)/ Outstanding(A+).

Course Coordinator **Head of the Department** **IQAC Coordinator** **Principal**

Date: 25/08/2020

Made for free with Certify'em

Summary Report and Outcome

Summary Report & Course Outcome

Department of Mathematics organized one month online **certificate course in BasicMathematical Modeling (CCBMM)** from 15th July 2020 to 15th August 2020.Total 133 students enrolled for this course and about 125 students completed this course.

This course is very useful to the students to get knowledge about the vast application of Mathematics. Also Students aware that how to use classroom mathematics to solve the problems in the Society.

Programme outcome

Students will be able to:

- Describe standard modeling procedures, which involve observations of a natural system, the development of a numeric and analytical model, and the analysis of the model through analytical and graphical solutions.
- Distinguish between analytic and numerical models,
- Distinguish between stochastic and deterministic models,
- Use software to quantitatively test hypotheses with data and build and evaluate mathematical and simulation models of biological systems,
- Assess the value of model results discussed in the news and in scientific and mathematical literature.

Dr V.J.Gaikwad U.M.Patil

Course Coordinator HOD, Department of Mathematics

Dept. of Microbiology (Certificate Course in Laboratory Technology (CLT))

Name and Duration of the Program

SHRI SHIVAJI SCIENCE COLLEGE, AMRAVATI

Department of Microbiology

Admission Notice to CLT & DCLT (COC) Course

Session - 2019-2020

Date: 16/08/2019

Admissions are open to B.Sc. (I,II,III) Students for CLT (Certificate Course in Laboratory Technology) under COC programme. Interested Students can take admission to this course.

Those students who had cleared there CLT Course can take admission to DCLT. For detail enquiry contact

1. **Dr.A.A.Gawali – 7020933305 (for CLT only)**
2. **Ms. S.S.Mankar – 8237372810 (for DCLT only)**
3. **Ms. N.H. Tiwari – 9168147152 (for CLT &DCLT)**
4. **Dr.C.S.Ukesh – 9373897963**

Dr. C. S. Ukesh
Co-ordinator

List of the Students Enrolled and Attendance

SHRI SHIVAJI SCIENCE COLLEGE, AMRAVATI
DEPARTMENT OF MICROBIOLOGY (2019-2020)
Students List
COC Program CLT

Sr. No	Email Address	Name of Students	Mob No
1	aachaljadhav06@gmail.com	Acchal Jadhav	
2	khobragadekalyani7@gmail.com	Kalyani Khobragade	
3	prachialoney17@gmail.com	Prachi Aloney	
4	salonibutley.ytl@gmail.com	Saloni Butley	
5	tanvibhokse1111@gmail.com	Tanvi Bhokse	
6	mrunmayeekumare22410@gmail.com	Mrunmayee Kumare	
7	kurhekarkhushi@gmail.com	Khushi Kurhekar	
8	jagrutimalge@gmail.com	Jagruti Malge	
9	mdobale27@gmail.com	Minal Dobale	
10	shreyahelode123@gmail.com	Shreya Hadole	
11	acchalpakdhane143"gmail.com	Acchal Pakdhane	
12	shraddhamadghe@gmail.com	Shraddha Madghe	
13	1akashaugad@gmail.com	Akash Augad	
14	sujatapinjarkar.2917@gmail.com	Sujata Pinjarkar	
15	kmankar811@gmail.com	Kanchan Mankar	
16	khalokarkomal@gmail.com	Komal Khalokar	
17	sanyukta1610@gmail.com	Sanyukta Joshi	
18	sakshisgupta21@gmail.com	Sakshi Gupta	

Head
Department of Microbiolog
Shri Shivaji Science College



CLT

2019-20

ATTENDANCE SHEET FOR THE MONTH OF _____

S.N	Roll No	Name of the Student	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	P	A	%
1	MBB	S. S. Butley	-	-	-	-	-	-	P	-	-	-	-	-	P	-	-				
2		M. G. Doble	-	P	-	-	-	P	-	-	-	-	-	-	P	-	-				
3		S. A. Helode	-	P	-	-	-	P	P	-	-	-	-	P	P	-	-				
4		S. S. Joshi	-	-	P	-	-	P	P	P	-	-	-	P	P	-	-				
5		K. B. Rathod	-	P	-	P	-	A	P	P	-	-	-	P	P	-	A				
6		G. S. Sawarkar	-	P	P	-	-	P	-	-	-	-	-	P	-	-	-				
7																					
8																					
9	MBZ																				
10		P. S. Alone	P	P	-	-	P	P	P	-	-	P	-	-	P	P	-				
11		T. S. Bhokse	P	P	P	P	P	-	P	P	-	-	-	-	P	P					
12		M. G. Deulkar	P	-	-	-	-	P	P	-	-	-	-	P	P	-	-				
13		K. K. Khobragade	P	P	P	P	-	-	P	P	-	-	-	P	P	-	P				
14		M. R. Kumare	P	P	-	-	-	-	P	-	-	-	-	P	-	-	-				
15		K. S. Kurhekar	-	P	-	-	-	-	-	P	-	-	-	P	-	-	-				
16		S. M. Madghe	P	P	-	-	P	P	-	-	-	P	-	P	P	-	A				
17		J. B. Malge	-	P	P	-	P	-	-	P	-	P	-	P	P	-	P				
18		A. G. Pakdhane	-	-	-	P	-	-	-	-	-	-	-	-	-	P	-				
19		S. M. Pinjarkar	P	P	-	P	-	-	P	P	-	-	-	-	P	P	-				
20		P. S. Zodpe	P	P	-	P	-	-	-	-	-	-	-	-	-	-	-				
21		S. S. Shinde	-	-	-	-	P	P	P	-	-	P	-	P	-	-	-				
22																					
23																					
24	BTB																				
25		S. S. Gupta	-	-	-	-	-	-	-	-	-	-	-	P	P	-	P				
26		M. R. Harne	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P				
27		K. R. Kholokar	-	P	-	-	P	P	-	-	P	P	-	P	-	P	-				
28		M. S. Khandekar	-	-	-	-	-	P	-	-	P	P	-	P	P	-	-				
29																					
30																					
31	BTZ																				
32		A. R. Jadhav	P	-	-	-	P	-	-		-	-	-	P	-	-	-				
33		K. B. Mankar	P	P	-	-	-	-	-		-	-	-	P	-	P	-				
34																					
35																					
36	PHG	S. D. Shende	-	-	-	-	P	-	-	-	P	P	P	P	P	P	P				
37																					
38	B.Voc Forensic	A. B. Avgad	-	-	P	P	P		-	-	-	P	-	P	P	-	-				
39		Abdul Muzammil	-	-	P	P	P	P	P	P	P	P	P	P	P	P	P				
40																					
	Sign of Teacher (1)																				
	Sign of Teacher (2)																				
	Date		1/9																		
	Total No. of Student Present																				

Total No. of Present of the student during the month.
Total No. of Absent of the student during the month.

Head

Principal

JUNE

JULY

AUGU

SE



CLT

2019

ATTENDANCE SHEET F

S.N	Roll No.	Name of the Studen
1	MBB	S. S. Butley
2		M. G. Dable
3		S. A. Helode
4		S. S. Joshi
5		K. B. Rathod
6		G. S. Sawarkar
7		
8		
9	MBZ	
10		P. S. Alone
11		T. S. Bhakse
12		M. G. Deulkar
13		K. K. Khobragade
14		M. B. Kumare
15		K. S. Kurhekar
16		S. M. Madghe
17		J. B. Malge
18		A. G. Pakdhane
19		S. M. Pinjarkar
20		P. S. Zodpe
21		S. S. Shinde
22		
23		
24	BTB	
25		S. S. Gupta
26		M. R. Harne
27		K. R. Khalokar
28		M. S. Khandekar
29		
30		
31	BTZ	
32		A. R. Jadhav
33		K. B. Mankar
34		
35		
36	PHG	S. D. Shende
37		
38	B.Voc Farming	A. B. Avgad
39		Abdul Muzammil
40		
a	Sign of Teacher (1)	
b	Sign of Teacher (2)	
c	Date	
d	Total No. of Student Present	

Total No. of Present of the student during the month.
Total No. of Absent of the student during the month.

ATTENDANCE SHEET
FOR THE MONTH OF
TOTAL No. OF STUDENT ON ROLL

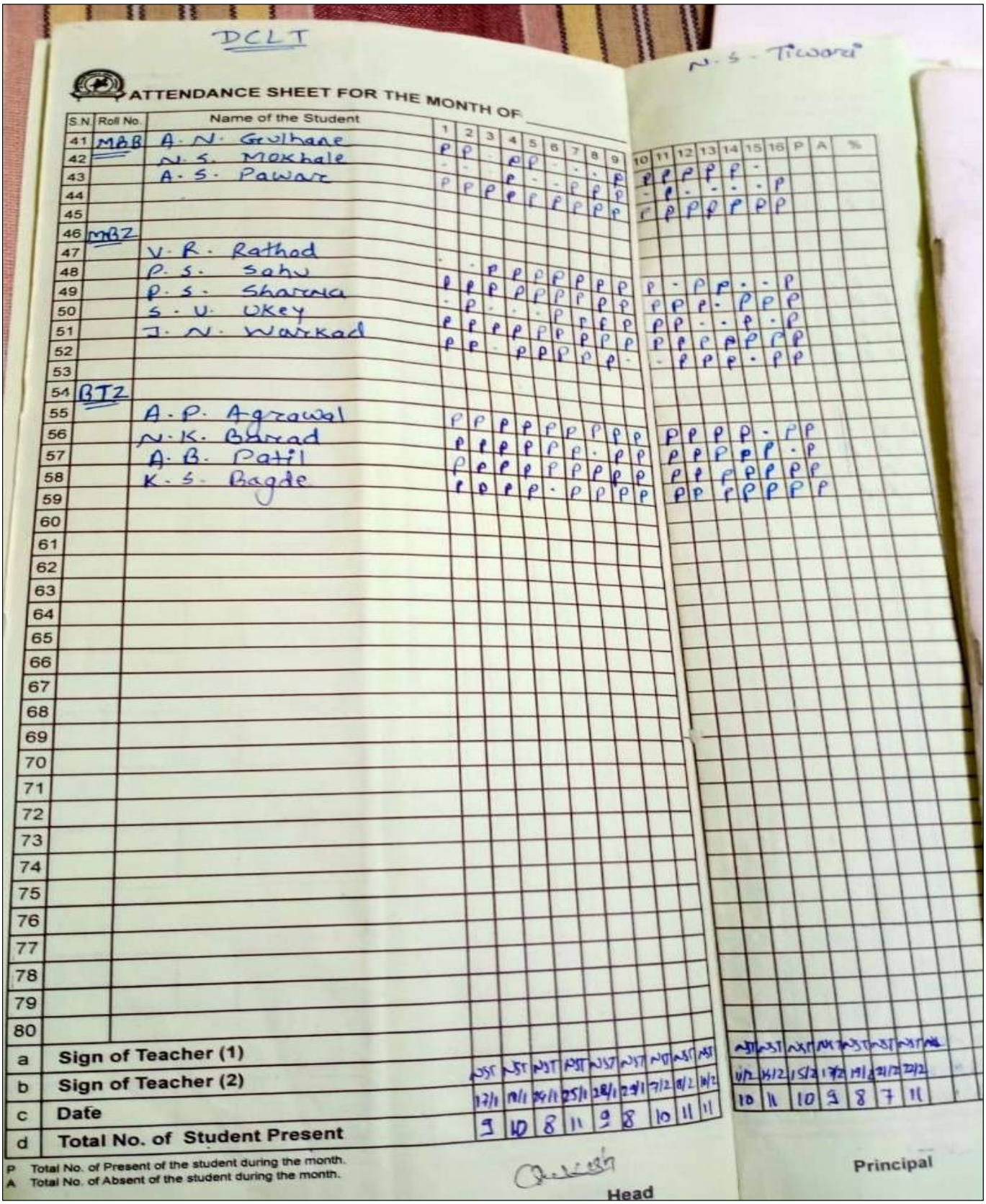
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17/1	18/1	24/1	25/1	28/1	29/1	7/2	8/2	10/2
22	24	25	21	22	25	25	23	20

P Total No. of Present of the student during the month.
A Total No. of Absent of the student during the month.

Head

10	11	12	13	14	15	16	P	A	%
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22	19								

Principal



DCLT

N. S. Tiwari

ATTENDANCE SHEET FOR THE MONTH OF

S.N.	Roll No.	Name of the Student	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	P	A	%
41	MAB	A. N. Gulhane	P	P	.	P	P	.	.	.	P	P	P	P	P	P	.				
42		N. S. Mokhale	.	.	.	P	.	.	P	P	P	.	P	.	.	.	P				
43		A. S. Pawar	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P				
44																					
45																					
46	MBZ																				
47		V. R. Rathod	.	.	P	P	P	P	P	P	P	P	.	P	P	.	.	P			
48		P. S. Sahu	P	P	P	P	P	P	P	P	P	P	P	P	.	P	P	P			
49		P. S. Sharma	.	P	.	.	.	P	P	P	P	P	P	P	.	.	P	.	P		
50		S. V. Ukey	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P			
51		J. N. Warkad	P	P	.	P	P	P	P	P	P	P	P	P	P	P	P	P			
52																					
53																					
54	BTZ																				
55		A. P. Agrawal	P	P	P	P	P	P	P	P	P	P	P	P	P	P	.	P			
56		N. K. Bhirad	P	P	P	P	P	P	.	P	P	P	P	P	P	P	.	P			
57		A. B. Patil	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P			
58		K. S. Bagde	P	P	P	P	.	P	P	P	P	P	P	P	P	P	P	P			
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a	Sign of Teacher (1)		NST	NST	NST	NST	NST	NST	NST	NST	NST										
b	Sign of Teacher (2)		17/1	19/1	24/1	25/1	28/1	29/1	7/2	8/2	10/2										
c	Date																				
d	Total No. of Student Present		9	10	8	11	9	8	10	11	11										

NST	NST	NST	NST	NST	NST	NST	NST
11/2	13/2	15/2	17/2	19/2	21/2	22/2	
10	11	10	9	8	7	11	

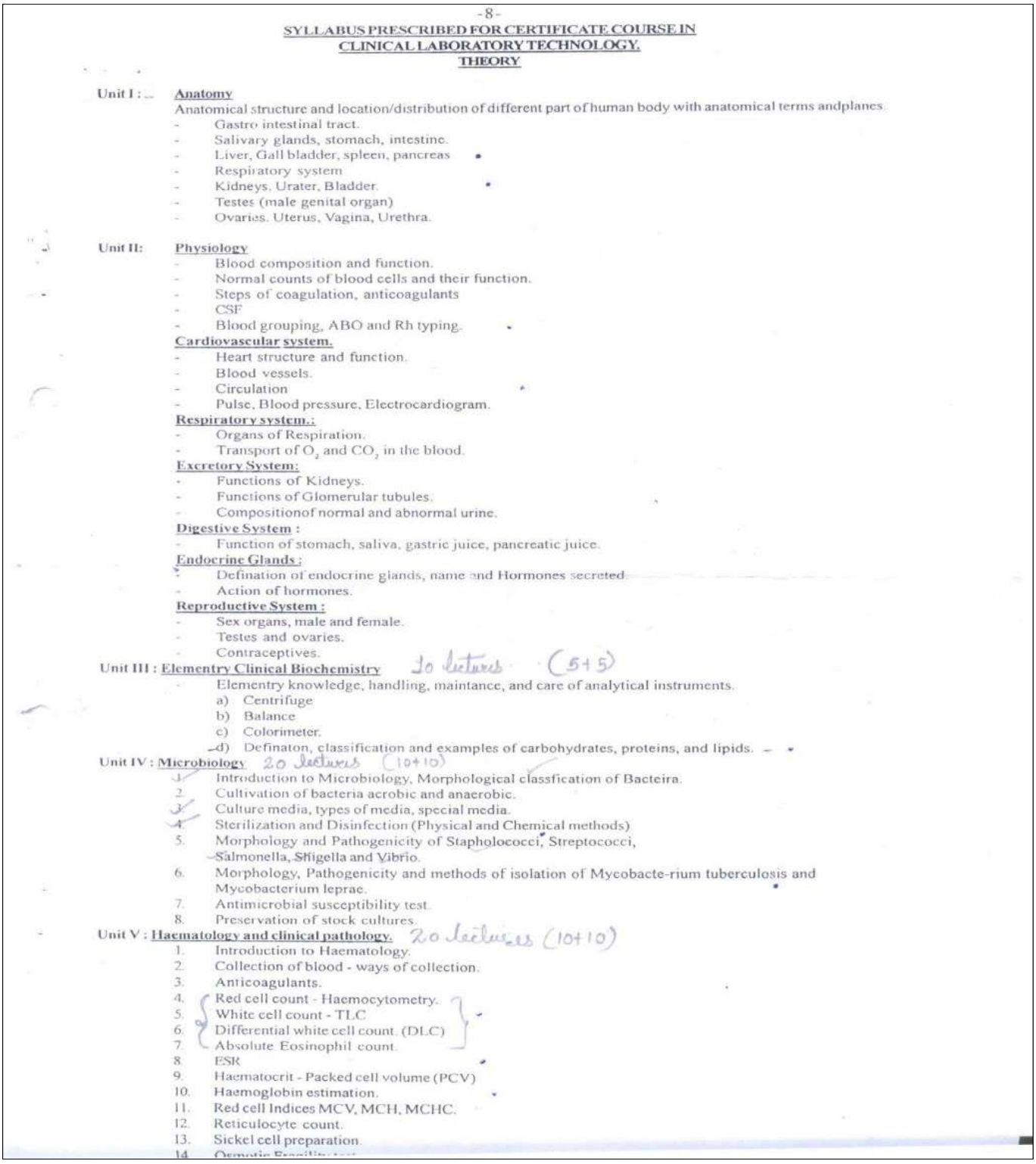
P Total No. of Present of the student during the month.
A Total No. of Absent of the student during the month.

Head

Principal


DCLT
ATTENDANCE SHEET FO
S.N
Roll No.
Name of the Student
41 MBB A. N. Gulhane
42 N. S. Mokhale
43 A. S. Pawar
46 MBZ
47 V. R. Rathod
48 P. S. Sahu
49 P. S. Sharma
50 S. U. Ukey
51 J. N. Warkad
54 BTZ
55 A. P. Agrawal
56 N. K. Bhirad
57 A. B. Patil
58 K. S. Bagde
Sign of Teacher (1)
Sign of Teacher (2)
Date
Total No. of Student Present
tal No. of Present of the student during the month.
tal No. of Absent of the student during the month.
ATTENDANCE SHEET
FOR THE MONTH OF
TOTAL No. OF STUDENT ON ROLL
P Total No. of Present of the student during the month
A Total No. of Absent of the student during the month
Head
N. S. Tiwari
Ashwini (DCLT)
Princi

Curriculum and Time table



-8-

SYLLABUS PRESCRIBED FOR CERTIFICATE COURSE IN
CLINICAL LABORATORY TECHNOLOGY.
THEORY

Unit I : Anatomy

Anatomical structure and location/distribution of different part of human body with anatomical terms andplanes.

- Gastro intestinal tract.
- Salivary glands, stomach, intestine.
- Liver, Gall bladder, spleen, pancreas
- Respiratory system
- Kidneys, Urater, Bladder.
- Testes (male genital organ)
- Ovaries. Uterus, Vagina, Urethra.

Unit II: Physiology

- Blood composition and function.
- Normal counts of blood cells and their function.
- Steps of coagulation, anticoagulants
- CSF
- Blood grouping, ABO and Rh typing.

Cardiovascular system.

- Heart structure and function.
- Blood vessels.
- Circulation
- Pulse, Blood pressure, Electrocardiogram.

Respiratory system.:

- Organs of Respiration.
- Transport of O_2 and CO_2 in the blood.

Excretory System:

- Functions of Kidneys.
- Functions of Glomerular tubules.
- Compositionof normal and abnormal urine.

Digestive System :

- Function of stomach, saliva, gastric juice, pancreatic juice.

Endocrine Glands :

- Defination of endocrine glands, name and Hormones secreted.
- Action of hormones.

Reproductive System :

- Sex organs, male and female.
- Testes and ovaries.
- Contraceptives.

Unit III : Elementry Clinical Biochemistry 30 lectures (5+5)

- Elementry knowledge, handling, maintance, and care of analytical instruments.
  a) Centrifuge
  b) Balance
  c) Colorimeter.
  d) Definaton, classification and examples of carbohydrates, proteins, and lipids.

Unit IV : Microbiology 20 lectures (10+10)

1. Introduction to Microbiology, Morphological classfication of Bacteira.
2. Cultivation of bacteria acrobic and anaerobic.
3. Culture media, types of media, special media.
4. Sterilization and Disinfection (Physical and Chemical methods)
5. Morphology and Pathogenicity of Staphylococci, Streptococci, Salmonella, Shigella and Vibrio.
6. Morphology, Pathogenicity and methods of isolation of Mycobacte-rium tuberculosis and Mycobacterium leprae.
7. Antimicrobial susceptibility test.
8. Preservation of stock cultures.

Unit V : Haematology and clinical pathology. 20 lectures (10+10)

1. Introduction to Haematology.
2. Collection of blood - ways of collection.
3. Anticoagulants.
4. Red cell count - Haemocytometry.
5. White cell count - TLC
6. Differential white cell count. (DLC)
7. Absolute Eosinophil count.
8. ESR
9. Haematocrit - Packed cell volume (PCV)
10. Haemoglobin estimation.
11. Red cell Indices MCV, MCH, MCHC.
12. Reticulocyte count.
13. Sickel cell preparation.
14. Osmotic Fragility test

15. Preparation of Bone Marrow.
16. Morphology of Normal andAbnormal cells.
17. Coagulation test.
18. Bleeding time, clotting time.
19. Urine analysis (Normal constituents, Physical examination, chemical examination & Microscopic examination.)
20. Stool Examination (Normal and Abnormal constituents.)
21. C.S.F. Examination (Normal and Abnormal Cell counts and different counts.)
22. Semen Analysis : (Physical examination, Mortality and Morphology)
23. Blood grouping and Blood Banking.

PRACTICALS

Anatomy :

1. Study of permanent slides of cells and tissues.
2. Surface marking of body.
3. Skeletal system, bones and joints.

Physiology :

1. Microscope, usage, maintance, cleaning and minor repair.
2. Osmotic fragility test.
3. Identification of RBC under microscope.
4. DLC, Platelets, Reticulocytes.
5. To obtain sample of plasma and serum.
6. Preparation of oxalate, citrate, fluoride and EDTA anti coagulant Bulbs.
7. Haematocrit (PCV)
8. Neubour's chamber, pipettes (RBC/WBC), western green pipettes.
9. Haemoglobin estimation (By Sahli's method)
10. Blood pressure and pulse.
11. Examination of urine glucose and protein.
12. Record/Report writing.

Clinical Biochemistry :

1. Cleaning of Glassware.
2. Maintenance of laboratory instruments and cleaning.
   i. Centrifuge.
   ii. Colorimeter.
   iii. Spectrophotometer.
   iv. Microscope.
3. Estimation of serum Bilirubin, Blood Sugar, Blood Urea, Serum Creatinine, Uric acid, Cholesterol. Serum Acid phosphatase, Alkaline phosphatase, SGOT, SGPT, Serum Sodium/Potassium.
4. Qualitative and Quantitative estimation of urine sugar and protein.
5. C.S.F. protein, and sugar.

Microbiology

1. Gram staining technique.
2. Acid fast staining (Z-N)
3. Motility by hanging drop method.
4. Cultivation of UTI isolates.
5. Culture and sensitivity test (Kirby-Bauer method)
6. Biochemical test (Glucose, Lactose, Mannitol, Indole, MR, V.P.Citrate)

Haematology and Clinical Pathology.

1. Haemoglobin estimation by Sahli's method.
2. R.B.C. count.
3. TLC
4. DLC
5. Platelet count
6. Reticulocyte count.
7. Bleeding time, clotting time.
8. Examination of blood smear (Perpheral smear)
9. Eosinophil count: LE cell test, E.S.R. sickel cell test.
10. Stool examination for ova, cyst, Amoeba, Exudate, fat globule.
11. Routine Urine analysis.
12. Sputum Analysis.
13. Semen Analysis.
14. C.S.F. examination.
15. Bone Marrow smear Preparation.
16. Blood group: ABO and Rhfactor.

Field work / Project work : Project work / field work involving 90 hrs. minimum laboratory work and based on critical study of any one of the topics included in theory or practical should be completed for Certificate course. Project report of above 30 pages be submitted.

Distribution of marks

1.	Two major Experiments (7 marks each)	20
2.	Two minor Experiments (3 marks each)	10
3.	Spotting	08
4.	Viva	06
5.	Practical record	06
	Total Marks :	50

****

LIST OF TOOLS AND EQUIPMENTS REQUIRED FOR CERTIFICATE / DIPLOMA / ADVANCED DIPLOMA COURSE IN CLINICAL LABORATORY TECHNOLOGY.

01.	Microscope	02.	Autoclave (Electric & gas operated)
03.	Hot plate (Electrical)	04.	Gas-cylinder with Bunsen burner.
05.	Spirit Lamp.	06.	Table centrifuge
07.	Refrigerator	08.	Colorimeter
09.	Hot-air-oven	10.	Waterbath
11.	Ringer-Timer	12.	Analytical balance.
13.	Physical balance	14.	Electronic Balance
15.	Flamephotometer	16.	Spectro Photometer
17.	Fluorometer.	18.	Vortex mixer.
19.	Centrifuge	20.	pH meter.
21.	Hot air-blower.	22.	Incubator.
23.	Inspissator	24.	Deioniser
25.	Pipette Washer	26.	Anaerobic jar
27.	Vacum pump	28.	Hydrogen and CO_2 Cylinder
29.	Dressing drum	30.	Water bath
31.	Pressure cooker	32.	VDRL Rotator
33.	Kahn rack	34.	Dreyer's rack
35.	Electrophoresis apparatus	36.	Seitz metal filter
37.	Aluminium suitcase	38.	Colony counter
39.	Blood cell counter	40.	Bohringer Balance (Rough)
41.	Hot plate	42.	Alarm time piece 1 hour ringer.
43.	Heamometer (Helige/Sahli) Complete	44.	Hemocytometer complete.
45.	Rosenthal counting chamber.	46.	ESR Rack
47.	ESR Tubes (Westergen's)	48.	Wintrobe's tubes.
49.	Gas cylinder	50.	Microscope lamp.
51.	Urinometer complete.	52.	Beaker 50 ml, 100 ml, 250 ml.
53	Autopsy Striker	54.	Drill Electric
55.	Electric Sparker	56.	Epidioscope
57.	Grinder	58.	Hot air Drier
59.	Microtome	60.	Stop Watch

REFERENCE BOOKS.

I. BIOCHEMISTRY.

1. Review of Physicological Chemistry, 18th Edn., Harold Haper A, Lange Medical Perb, California.
2. Laboratory practical for beginners, P.Veskresensky, Mir publishes, Pervy Rizbsky Perulek, Moscow, USSR.
3. Clinical chemistry in diagnosis and treatment, 3rd Edn. 1979. Noan P.Ziwa and P. R.Pannal, LLoyds Luke (Medical books) LTd., 49 Newman, ST. London.
4. Manual Cardiovasccular diagonsis and therapy, Joseph S, Albert, James M. Ripps, Asian Ed., Little Brown & Company, Boston, Medical Services International Ltd., Tokyo.
5. Fundamentals of Biochemistry - A.C. Deb, New Central Book Agency, 8/1 Chintamanidas Lane, Calcutta - 700 009.
6. Principles of Biochemistry, 5th Edn. Mcraw hill Book Co., New York- A White P. Handler, E.L.Smith.
7. Fundamentals of Biochemistry - J.L.Jain S. Chand & Co.LTd., Ramnagar, New Delhi 110 055
8. Biochemistry - Datta, S.P.Ottaway J.H.Barelliere Tindall and Cssell London.
9. Enzyme diagnosis in diseases of the Heart, Liver and Pancreas - Adolph and R Lorenz Hanhum S. Kargeer. A.G.P.O. Box Ch. 4009 Basel, Switzerland.
10. A Premier of water Electrobyte and acid base Syndromes - E Gold Reger, Indian Edn., K.M.Verghese Co, 7119, Bombay 400 031
11. Clinical Interpretation of Laboratory Test, 9th Edn., Francis Widmann. P.G.Publishing Pvt. Ltd., Singapore, Hongkong.
12. Practical clinical biochemistry, - A.H.Covenlock, M.Bell, William Heimann, Med. Book Ltd., London.
13. Clinical Biochemistry - Principles & Procedures - 4th Edn. Annino J.S. and R. N.
14. A short test book on Clinical biochemistry - Baron D.N. English Universities Press, London.
15. Clinical Chemistyry for small hospitals, Laboratory - Reynold M.D.
16. Micro Analysis in Medical Biochemistry, 6th Edn., Wooton, I.D.P. Churchill Livingstone, Edinobourgh & London.
17. Seiverds Chemistry for Medical Technologists, 2nd Edn., W.I.White, Sam Frankel The C.V. Mobsy C., Saint Louis, USA.
18. Clinical Laboratory Methods, 5th Edn, - Bauer J.D., Ackeramann, P.G. land Toro GI, the C.V. Mobsy C., St. Louis.

Assessment

SHRI SHIVAJI SCIENCE COLLEGE, AMRAVATI

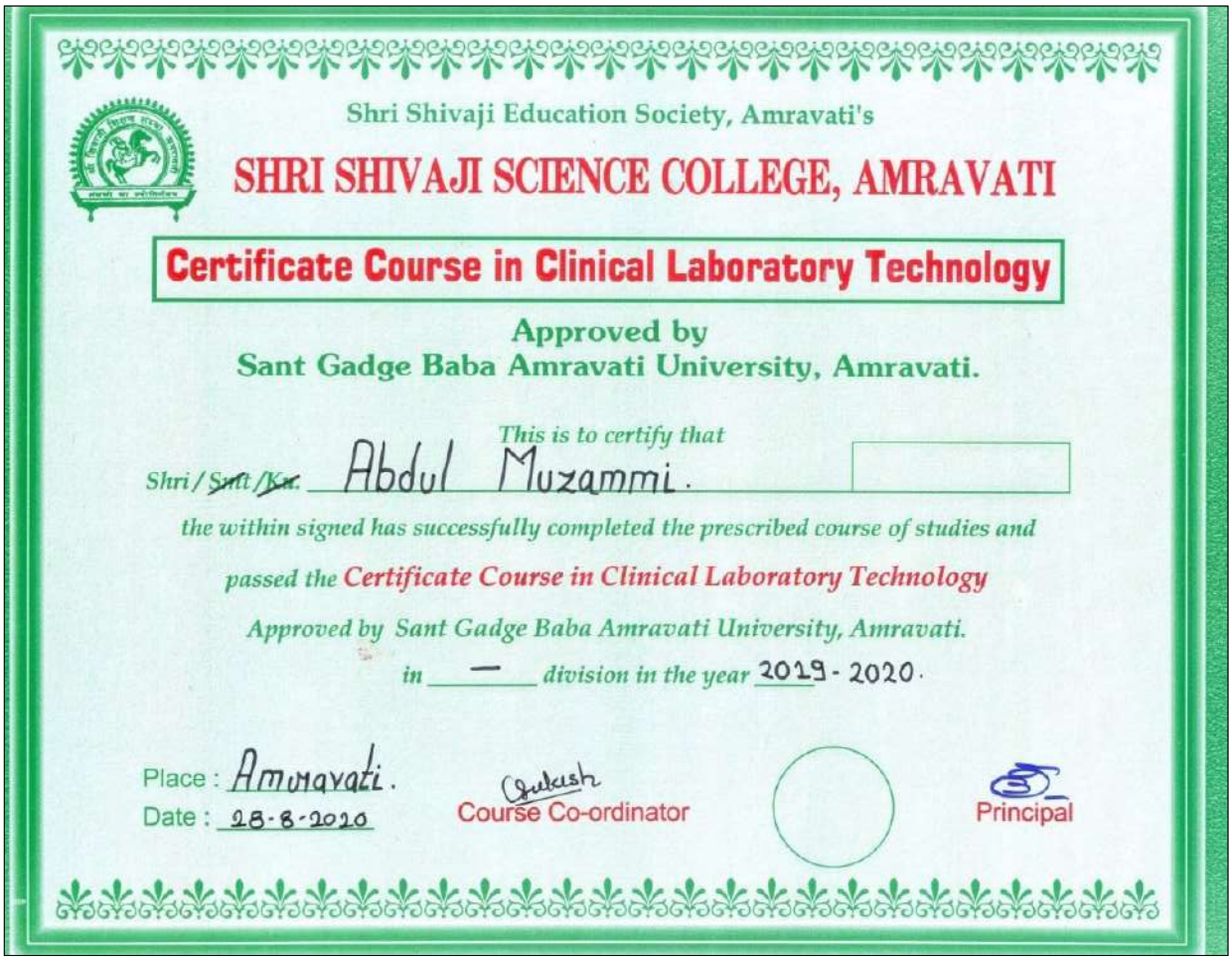
DEPARTMENT OF MICROBIOLOGY

Result

COC Program (CLT) EXAM - I 2019-2020

Sr. No	Email Address	Name of Students	Quiz 1	Quiz 2	Project	Total	Avrage	%	Remark
1	aachaljadhav06@gmail.com	Acchal Jadhav	48	50	46	144	192	96	Pass
2	khobragadekalyani7@gmail.com	Kalyani Khobragade	50	48	46	144	192	96	Pass
3	prachialoney17@gmail.com	Prachi Aloney	50	48	48	146	194	97	Pass
4	salonibutley.ytl@gmail.com	Saloni Butley	48	48	46	142	189	94.5	Pass
5	tanvibhokse1111@gmail.com	Tanvi Bhokse	50	46	46	142	189	94.5	Pass
6	mrunmayeekumare22410@gmail.com	Mrunmayee Kumare	48	48	45	141	188	94	Pass
7	kurhekarkhushi@gmail.com	Khushi Kurhekar	50	50	45	145	193	96.5	Pass
8	jagrutimalge@gmail.com	Jagruti Malge	36	50	45	131	174	87	Pass
9	mdobale27@gmail.com	Minal Dobale	50	42	45	137	182	91	Pass
10	shreyahelode123@gmail.com	Shreya Hadole	48	50	46	144	192	96	Pass
11	acchalpakdhane143"gmail.com	Acchal Pakdhane	32	-	46	78	104	52	Pass
12	shraddhamadghe@gmail.com	Shraddha Madghe	50	50	48	148	197	98.5	Pass
13	1akashaugad@gmail.com	Akash Augad	42	44	48	134	178	89	Pass
14	sujatapinjarkar.2917@gmail.com	Sujata Pinjarkar	48	44	45	137	182	91	Pass
15	kmankar811@gmail.com	Kanchan Mankar	48	50	46	144	192	96	Pass
16	khalokarkomal@gmail.com	Komal Khalokar	48	50	46	144	192	96	Pass
17	sanyukta1610@gmail.com	Sanyukta Joshi	50	48	46	144	192	96	Pass

Department of Microbiology
Shri Shivaji Science College
Amravati



Shri Shivaji Education Society, Amravati's

SHRI SHIVAJI SCIENCE COLLEGE, AMRAVATI

Certificate Course in Clinical Laboratory Technology

Approved by
Sant Gadge Baba Amravati University, Amravati.

This is to certify that

Shri / ~~Smt / Kr.~~ Abdul Muzammil.

the within signed has successfully completed the prescribed course of studies and passed the ***Certificate Course in Clinical Laboratory Technology*** *Approved by Sant Gadge Baba Amravati University, Amravati. in* — *division in the year* 2019 - 2020.

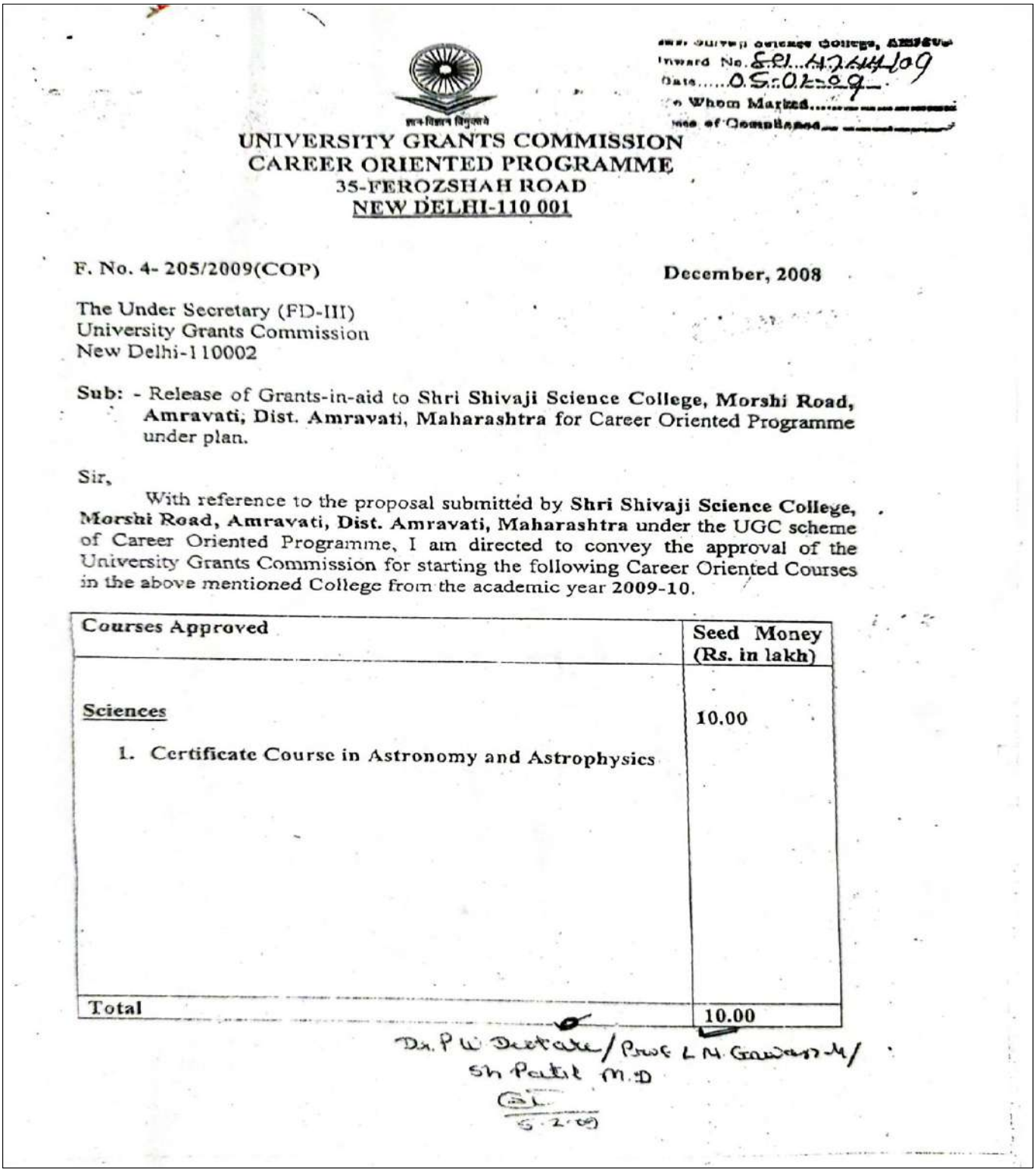
Place : Amravati.
Date : 28-8-2020

Course Co-ordinator

Principal

Department of Physics (COP-Astronomy and Astrophysics)

Name and Duration of the Program



Shri Shivaji Science College, Amravati
Inward No. EP/4744/09
Date 05.02.09
To Whom Marked
Date of Compliance

UNIVERSITY GRANTS COMMISSION
CAREER ORIENTED PROGRAMME
35-FEROZSHAH ROAD
NEW DELHI-110 001

F. No. 4- 205/2009(COP) December, 2008

The Under Secretary (FD-III)
University Grants Commission
New Delhi-110002

Sub: - Release of Grants-in-aid to **Shri Shivaji Science College, Morshi Road, Amravati, Dist. Amravati, Maharashtra** for Career Oriented Programme under plan.

Sir,

With reference to the proposal submitted by **Shri Shivaji Science College, Morshi Road, Amravati, Dist. Amravati, Maharashtra** under the UGC scheme of Career Oriented Programme, I am directed to convey the approval of the University Grants Commission for starting the following Career Oriented Courses in the above mentioned College from the academic year **2009-10.**

Courses Approved	Seed Money (Rs. in lakh)
Sciences	10.00
1. Certificate Course in Astronomy and Astrophysics	
Total	10.00

Dr. P W Deotale / Prof L N Gautam M / Sh Patil M.D
5.2.09

I am also directed to convey the sanction of the University Grants Commission for payment of Rs. **10,00,000/-** (Rupees **Ten Lakh only**) to **Shri Shivaji Science College, Morshi Road, Amravati, Dist. Amravati, Maharashtra** as one time grant (Seed Money) under the scheme of Career Oriented Programme.

The assistance available in the programme is only in the form of a one – time as **"Seed Money".** The amount may be utilized for the purchase of books and journals augmentation of laboratory facilities, equipment and payment of remuneration to the Guest faculty only.

The terms and conditions of the approval and grant released are as per the guidelines of the scheme.

1. The sanctioned amount is dabitable to the major Head **5.(i)** (Career Oriented to Education). The above sanction is valid for payment during the current financial year **2008-09.**
2. The amount of grant shall be drawn by the Under Secretary (Drawing and Disbursing Officer), University Grants Commission on the Grants –in –aid bill and shall be disbursed to the credited to the Principal, **Shri Shivaji Science College, Morshi Road, Amravati, Dist. Amravati, Maharashtra** through Demand Draft/Mail Transfer.
3. The grant is subject to the adjustment on the basis of Utilization Certificate in the prescribed proforma submitted by the University/College/Institution.
4. The University/College shall maintain proper accounts only on approved items of expenditure.
5. The Utilization Certificate to the effect that the grant has been utilized for the purpose for which it was sanctioned shall be furnished to the University Grants Commission as early as possible after the close of the current financial year.
6. The assets acquired wholly or substantially out of the University Grants Commission grant shall not be disposed or encumbered or Utilized for the purposes other than those for which the grant was given, without proper sanction of the University Grants Commission and should, at any time the college ceases to function, such assets shall revert to the University Grants Commission.
7. A Register of Assets acquired wholly or substantially out of the grant shall be maintained by the University in the prescribed form.
8. The grantee institution shall ensure the Utilization of grants-in-aid for which it is being sanctioned/paid. In case non-utilization/part utilization, the simple interest @ 10% per annum as amended from time to time on unutilized amount from the date of drawl to the date of refund as per provisions contained in General Financial Rules of Govt. of India will be charged.
9. **The University/College shall implement the programme from the academic year 2009-10 positively and UGC to be informed in this regard.**

10. The interest earned by the University/College/Institute on this grants in aid shall be treated as additional grant and may be shown in the U.C./Statement of expenditure to be furnished by grantee institutions.
11. The University/College shall follow strictly all the instructions issued by the Govt. of India from time to time with regard to reservation of posts for scheduled Caste and Scheduled Tribes.
12. The University/College shall fully implement the Official Language Policy of Union Govt. and comply with the Official Language Act, 1963 and Official Language (use for officially purpose of the Union) Rules, 1976 etc.
13. The Sanction issues in exercise of the delegation of powers vide Commission office order No. 25/92 dated May.01, 1992.
14. The funds to the extent are available under the scheme and has been noted in BCR for the year 2008-09 at S. No. 317 Page No. 45.

Yours faithfully,

(Dr. (Mrs.) H.K. Chauhan)
Joint Director

Copy forwarded for information and necessary action to:

1. The Principal, **Shri Shivaji Science College, Morshi Road, Amravati, Dist. Amravati, Maharashtra** to intimate the receipt of the letter as well as the receipt of the sanction grant.

2. The Secretary to the Government of **Maharashtra**, Deptt. of Education, **Mumbai.**

3. The Registrar, **Sant Gadge Baba Amravati University, Amravati.**

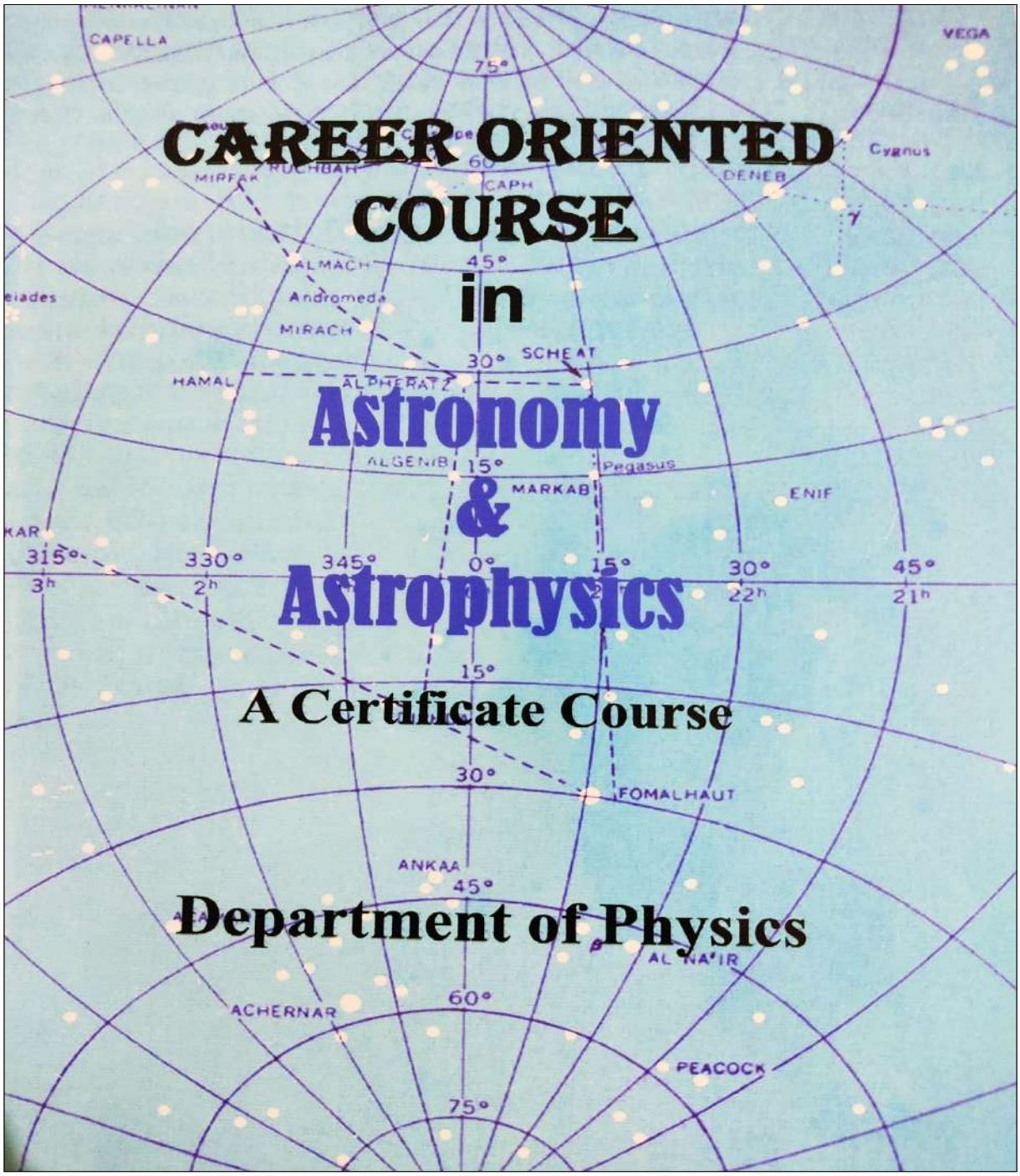
4. Joint Director/Deputy Secretary/Education Officer, Western Regional Office, Ganeshkhind, Pune University Campus, Pune-411007, M.S.

5. Office of Director, General, Audit General Revenues, AGCR Bldg., I.P. Estate, New Delhi.

6. Guard File, UGC, New Delhi.

(Joginder)
Under Secretary

Principal
01.5.10.2.09


CAREER ORIENTED
COURSE
in
Astronomy
&
Astrophysics
A Certificate Course
Department of Physics
CAPELLA
VEGA
Cygnus
DENEB
ALMACH
Andromeda
MIRACH
SCHEAT
HAMAL
ALPHERATZ
ALGENIB
Pegasus
MARKAB
ENIF
FOMALHAUT
ANKAA
ACHERNAR
PEACOCK
AL NA'IR

List of the Students Enrolled and Attendance

Students Admitted &Passed in Astronomy Astrophysics

Certificate Course 2019-20

Sr. No.	Name	Class	Group
1	DHUMAL AKSHAY MADHUKAR	B.Sc. I	CMP
2	DIXIT CHINMAYI KRISHNA	B.Sc. I	CMP
3	JAMNEKAR SHIVTEJ MANOJ	B.Sc. I	CMP
4	JANBANDHU PUSHYASURAJ PRAKASH	B.Sc. I	CMP
5	PANDE SHREYA NITIN	B.Sc. I	CMP
6	PATIL SAKSHI PANDITRAO	B.Sc. I	CMP
7	SHIRBHATE VEDANGI DEEPAKRAO	B.Sc. I	CMP
8	GAWANDE RUSHIKESH RAMESHRAO	B.Sc. I	PHG
9	MULEY AYUSH GOVARDHAN	B.Sc. I	PCM
10	BANSOD HARSHAL MANOJ	B.Sc. I	PCM

Certificate Course in Astronomy and Astrophysics

Students Attendance

August 2019

Sr. No.	Name	1	2	3	4	5	6	7	8
1	DHUMAL AKSHAY MADHUKAR	P	P	P	P	P	P	P	
2	DIXIT CHINMAYI KRISHNA	P	P	P	P	P	P	P	
3	JAMNEKAR SHIVTEJ MANOJ	P	P	A	P	P	P	P	
4	JANBANDHU PUSHYASURAJ PRAKASH	P	P	P	P	P	P	P	
5	PANDE SHREYA NITIN	P	P	P	P	P	P	A	
6	PATIL SAKSHI PANDITRAO	P	P	P	P	P	P	P	
7	SHIRBHATE VEDANGI DEEPAKRAO	P	P	P	A	P	P	P	
8	GAWANDE RUSHIKESH RAMESHRAO	P	P	P	P	P	P	P	
9	MULEY AYUSH GOVARDHAN	P	P	P	P	P	P	P	
10	BANSOD HARSHAL MANOJ	P	P	P	P	P	P	P	
	Dates	5	26	13	19	20	26	27	

Certificate Course in Astronomy andAstrophysics
Students Attendance

September 2019

Sr. No.	Name	1	2	3	4	5	6	7	8
1	DHUMAL AKSHAY MADHUKAR	P	A	P	P	P	P	P	P
2	DIXIT CHINMAYI KRISHNA	P	P	P	P	P	P	P	P
3	JAMNEKAR SHIVTEJ MANOJ	P	P	P	P	P	P	P	P
4	JANBANDHU PUSHYASURAJ PRAKASH	P	P	P	A	P	P	P	P
5	PANDE SHREYA NITIN	A	P	P	P	P	P	P	P
6	PATIL SAKSHI PANDITRAO	P	P	P	P	P	P	P	P
7	SHIRBHATE VEDANGI DEEPAKRAO	P	P	P	P	P	P	P	P
8	GAWANDE RUSHIKESH RAMESHRAO	P	P	P	P	P	P	P	P
9	MULEY AYUSH GOVARDHAN	P	P	P	P	P	P	P	P
10	BANSOD HARSHAL MANOJ	P	P	P	P	P	P	P	P
	Dates	4	5	11	12	18	19	25	26

Certificate Course in Astronomy andAstrophysics
Students Attendance

October 2019

Sr. No.	Name	1	2	3	4	5	6	7	8
1	DHUMAL AKSHAY MADHUKAR	P	P	P	P	P	P	P	
2	DIXIT CHINMAYI KRISHNA	P	P	P	P	P	P	A	
3	JAMNEKAR SHIVTEJ MANOJ	P	A	P	P	P	P	P	
4	JANBANDHU PUSHYASURAJ PRAKASH	P	P	P	P	P	A	P	
5	PANDE SHREYA NITIN	P	P	P	P	P	P	P	
6	PATIL SAKSHI PANDITRAO	P	A	P	P	P	P	P	
7	SHIRBHATE VEDANGI DEEPAKRAO	P	P	P	P	P	A	P	
8	GAWANDE RUSHIKESH RAMESHRAO	P	P	P	P	P	P	P	
9	MULEY AYUSH GOVARDHAN	P	P	P	P	A	P	P	
10	BANSOD HARSHAL MANOJ	P	P	P	P	P	P	A	
	Dates	1	7	14	15	21	22	29	

Certificate Course in Astronomy andAstrophysics
Students Attendance

December 2019

Sr. No.	Name	1	2	3	4	5	6	7	8
1	DHUMAL AKSHAY MADHUKAR	P	P	P	P	P	P	P	
2	DIXIT CHINMAYI KRISHNA	A	P	P	P	P	P	A	
3	JAMNEKAR SHIVTEJ MANOJ	P	P	P	P	P	P	P	
4	JANBANDHU PUSHYASURAJ PRAKASH	P	P	P	P	P	P	P	
5	PANDE SHREYA NITIN	P	P	P	P	P	P	P	
6	PATIL SAKSHI PANDITRAO	P	P	P	P	P	P	P	
7	SHIRBHATE VEDANGI DEEPAKRAO	P	P	P	P	P	P	A	
8	GAWANDE RUSHIKESH RAMESHRAO	P	P	P	P	P	P	P	
9	MULEY AYUSH GOVARDHAN	P	P	P	A	P	P	P	
10	BANSOD HARSHAL MANOJ	P	P	P	P	P	P	P	
	Dates	4	5	11	12	18	19	26	

Certificate Course in Astronomy andAstrophysics
Students Attendance

January 2020

Sr. No.	Name	1	2	3	4	5	6	7	8
1	DHUMAL AKSHAY MADHUKAR	P	P	P	P	P	P	P	P
2	DIXIT CHINMAYI KRISHNA	P	P	P	P	P	P	P	P
3	JAMNEKAR SHIVTEJ MANOJ	P	P	P	P	P	P	P	P
4	JANBANDHU PUSHYASURAJ PRAKASH	P	P	P	A	P	P	P	P
5	PANDE SHREYA NITIN	P	P	P	P	P	P	P	P
6	PATIL SAKSHI PANDITRAO	P	P	P	P	P	P	P	P
7	SHIRBHATE VEDANGI DEEPAKRAO	P	P	P	P	P	P	P	P
8	GAWANDE RUSHIKESH RAMESHRAO	P	P	P	P	P	P	A	P
9	MULEY AYUSH GOVARDHAN	P	P	P	P	P	P	P	P
10	BANSOD HARSHAL MANOJ	P	P	P	A	P	P	P	P
	Dates	6	7	13	14	20	21	27	28

Certificate Course In Astronomy andAstrophysics
Students Attendance

February 2020

Sr. No.	Name	1	2	3	4	5	6	7	8
1	DHUMAL AKSHAY MADHUKAR	P	P	P	P	P	P	P	
2	DIXIT CHINMAYI KRISHNA	P	P	P	P	P	P	P	
3	JAMNEKAR SHIVTEJ MANOJ	P	P	P	P	P	P	A	
4	JANBANDHU PUSHYASURAJ PRAKASH	P	P	P	P	P	P	P	
5	PANDE SHREYA NITIN	P	P	P	P	P	P	P	
6	PATIL SAKSHI PANDITRAO	P	P	P	P	P	P	P	
7	SHIRBHATE VEDANGI DEEPAKRAO	P	P	P	P	P	P	P	
8	GAWANDE RUSHIKESH RAMESHRAO	P	P	P	P	P	P	P	
9	MULEY AYUSH GOVARDHAN	P	P	P	P	P	P	P	
10	BANSOD HARSHAL MANOJ	P	P	P	P	P	P	P	
	Dates	5	6	12	13	20	26	27	

Curriculum and Time table

CAREER ORIENTED COURSE SYLLABUS

Certificate Course in Astronomy and Astrophysics

Duration: Annual

Theory: 10 credits of 15 hours each

Unit I **History of Astronomy**

- Pre historic astronomy
- Early ideas of heavens
- Astronomy as tool in every day life and basis for religion.
- Contributions by ancient Hindu, Arabic and Greek astronomers or thinkers like Ptolemy, Aryabhatta, Varahmir, Nicolas Copernicus, Johannes Kepler, Galileo Galili, Tycho Brahe, Issac Newton etc.

Unit II **Sky and Coordinate system in Astronomy**

- Aspect of sky at a given place
- Sky conditions for astronomical observations
- Identification of some prominent stars in the night sky
- Spherical coordinate system.
- Latitude and longitude at a place on the earth.
- Celestial coordinate system (RA and Dec).
- Concept of celestial equator, elliptic and equinoxes.
- Precession of equinoxes.
- Astronomical definition of time.
- Visual magnitude system for stars and planets.

Unit III **Sky observations at night**

- Ideal sky for astronomical observations.
- Constellation including Zodiac belt.
- Sky charts.
- Motion of moon.
- Apparent motion of sun.
- Motion of planets.

Unit IV **Astronomical Instruments -I**

- Sextant : Principle of working and its application for measurement of coordinates of stars and planets.
- Binoculars : Principle of working, field of view, magnifying power, resolving power.
- DSLR camera : Principle of working and its features.

Field work/Project work : Field work/Project work based on critical study of any one of the topics included in theory or practical should be completed for the course.

Training : Training at leading research institute in India.

Practical : Perform at least 15 experiments based on theory paper.

Time Table

Session 2019-20

Day	Theory 06:30 – 07:30 PM	Practical 07:30 – 09:30 PM
Mon	CC (PAN)	DC (WSB)
Tue	CC (WSB)	DC (PAN)
Wed	DC (VBB)	ADC (PAN)
Thu	DC (VBB)	ADC (PAN)
Fri	ADC (PAN)	CC (WSB)
Sat	ADC (WSB)	CC (PAN)

CC: Certificate Course, DC: Diploma Course, ADC: Advanced Diploma Course

Assessment

SHRI SHIVAJI SCIENCE COLLEGE, AMRAVATI

DEPARTMENT OF PHYSICS

Assessment

Career Oriented Program (COP)

Astronomy and Astrophysics

Result Analysis (2019-20)

Course	Year	No. of students admitted	No. of students passed
Certificate	2019-20	10	10

Shri Shivaji Education Society, Amravati's

Shri Shivaji Science College, Amravati

NAAC Accredited by Grade "A" with CGPA of 3.13 (Third Cycle),
UGC Awarded Status of College with Potential for Excellence (Second Phase),
Identified by DST, Govt of India for FIST and Sant Gadge Baba Amravati University, Amravati as Lead College

ASTRONOMY AND ASTROPHYSICS

Career Oriented Course

Approved by SANT GADGE BABA AMRAVATI UNIVERSITY, AMRAVATI

CERTIFICATE

This is to certify that Mr./Ms. _____
the within signed has successfully completed the prescribed course of studies and passed the CERTIFICATE COURSE in "ASTRONOMY AND ASTROPHYSICS" in First Division in the academic year 2019-20.

H.O.D. Course Coordinator Principal

Summary Report and Outcome

The night sky dotted with millions of shining and twinkling stars is really a majestic spectacle to the eyes. It lets us wondering as to where these stars come from, enchant the world with their brilliant sparkle and then vanish and come back again the next night. Similar queries and hundreds of other mysteries like the movement of planets, of meteors and quest for life on other planets have left man dumbfounded. Astronomy, as a career option, ensures unravel these mysteries. If one is amazed at the mysteries of the universe and nurtures a desire to unravel this, choose the career of Astronomy. It will test one's scientific temperament and also satisfy one's curiosity. One opportunity to work with the best brains in the country and will become a part of the intellectual treasure of the world.

Astronomy is the science that deals with the material universe beyond the earth's atmosphere. It studies the nature and constitution of heavenly bodies. It is also the study of the laws, which govern them, as also the effect produce upon one another. It seeks to unravel the probable past history of heavenly bodies and their development.

The use of modern technology and new gadgets has made Astronomy a specialized branch of study in modern science. Man used to study the motion of planets and heavenly bodies since ancient times. With the science and technology, man began to use sophisticated technological gadgets for the purpose. Aryabhatta, Tycho Brahe and Sir Isaac Newton have been some of the best brains in Astronomy since the ages.

As Astronomer, one has to observe the night sky and gather various astronomical data, analyze them and then discern and compare other available data. Thereby, one will arrive at conclusions, refute old theories and build new theories.

Astronomy is divided into several branches such as Astrophysics, Astrometeorology, Astrobiology and Astrometry. These branches together help in the holistic study of the discipline and unravel the mysteries of the universe.

Objectives of the course

- The purpose and activities of the astronomy enthusiasts has till date been purely leisure. We feel the need to incorporate the existing facilities into the mainstream undergraduate physics education through this Career Oriented Course.
- This shall be amongst the very few institutes where the students get to make use of astronomical facility as a part of undergraduate education.
- The students would get an exposure to astronomy as an observational science.
- The academic curriculum shall be enriched.
- Help the students to develop skills that shall enable them to work in a group.
- Exposure of students to observation based research in Astronomy.
- Students and faculty as part of this course work to promote astronomy as a hobby and spread knowledge among the students of Colleges and schools of the neighboring areas.

Through this course we have arranged many Sky Watching Sessions at all Major Astronomical Events with

- 1. Celestron 8 inch Schmidt Cassegrain Telescope a view finder and inbuilt tracking system on an equatorial mount.
- 2. Binoculers (20X80 Giant and 25X100 Super Giant) with heavy duty mount.
- 3. Canon DSLR Camera EOS 5D MARK II
- Sessions on telescope handling and astrophotography for Schools
- Special educational sessions for the school students around
- Popular Lectures on astronomy and astrophysics

After the completion of the course students will

- learn the history of modern observational astronomy, with a key focus on how the interpretation of results from experimentation and observation guided the deployment of astronomy.
- be able to read the sky maps/ sky charts.
- learn different celestial coordinate systems
- be able to describe different zodiacal constellations.
- be able to describe detail changes which are observed when viewing the sky daily, weekly, monthly, annually and longer period of time and demonstrate an understanding of the reasons behind any observed changes.
- be able to describe the working principle of astronomical tools.
- be able to use basic astronomical tools.

Dept. of Physics (Physics with Scilab (Online)

Name and Duration of the Program

Physics with Scilab (Online) – 2019-2020

Online Certificate Course on

"Physics with SCILAB"

Duration of the Course:

THREE WEEKS (20th July to 08th August 2020)

Five/Six video lectures will be released and two assignments (50 Marks each) will be given in one week. The lectures can be viewed at any time during that week and assignments shall have to be submitted before given deadline. The questions and discussions facility will be available through Google Classroom.

List of the Students Enrolled and Attendance

S.No.	Name of students	College
1	KordeSanket Shailendra	Shri shivaji Science College, Amravati
2	Mr. Asif Ahmad Bhat	Lovely Professional University Punjab
3	RATHOD KISHOR KALU	GVISH, AMRAVATI
4	SAMANTA KUNTAL	VISVA BHARATI
5	Divya K	St. Joseph's College, Tiruchirappalli
6	KAVAIYA YASHUMAR AMRUTLAL	NIT SURAT
7	Pathak Abhishek Kumar	NIT Warangal
8	Sahoo Debabrata	Angul govt autonomous college
9	Jadhav Pravin kumarDinkar	Ashoka College of education
10	Ghosh Arinjoy	Raja Peary Mohan College (WBNSOU)
11	Jeet Amrit Pattnaik	Sambalpur university Jyoti Vihar,Burla,Odisha
12	Vipin	National Institute of Technology Warangal
13	Meena kumari	National Institute of Technology, Warangal
14	Raskatla Venugopal Shyamkumar	National Institute of Technology, Warangal
15	Mudassir Ahmad Shakil Ajaz	Government vidharbha institute of science and humanities
16	BelodeDheerajsinghAnilsingh	Government vidharbha institute of science and humanities Amravati
17	Tawhid Ul Islam	West Bengal state university
18	SURENDRA KUMAR SAJAN	TILKAMANJHI BHAGALPUR UNIVERSITY
19	SHUBHAM MAHADEV KAVHAR	Deogiri college aurangabad
20	Mahajan Chandrashekhar Madhavrao	Vishwakarma Institute of Technology, Pune

21	Shweta Ashok Gaikwad	Shivaji university kolhapur
22	Patademayapadattu	B.R.Gholap college sangavi,pune
23	MOHANTY BIBHUNANDA	Dr. Rmlau, Ayodhya
24	Kiran Jodhansonwani	Shri shivaji science college amravati
25	Saikat Chakraborty	Wbsu
26	MohodpratikshaSantoshrao	Sant gadage baba amravati university amravati
27	ARABINDA LUHA	National Institute of Technology Warangal, Telangana State
28	Venkata Ramana Mattaparthi	Vishnu institute of technology
29	DipaliHodade	Shree Ramchandra College of Engineering
30	PATWARDHAN MILIND ANAND	BVCOEW Pune
31	Makrand Rajendra Malpure	LoGMIEER, NASHIK
32	DR V B PATIL	DYPIEMR
33	Gaur Kirt	C.R.S.U(Chaudhary Ranbir Singh University)
34	Sudhir N Patil	Sandip Institute of Technology and Research Center
35	Kale Archana Samir	Nowrosjee Wadia College, Pune
36	Shit Subhasis	Indian Institute of Technology Kharagpur
37	Dahiya Neeraj	G.v.m.girls college, sonipat
38	Patil Satyajeet Sanjay	Shivaji University Kolhapur
39	Nath Santu	Scottish Church College, Kolkata
40	BHATIYA RAJ SURESHBHAI	M.N Science College
41	RituDeshwal	GGDSD COLLEGE
42	Gupta Vaibhav	NIT Kurukshetra
43	Divya Mahesh Bulbule	Government Vidarbha Institute of Science and Humanities, Amravati
44	Kundu Rajarshi	Sree Chaitanya College , Habra
45	Das Sananda	Indian Institute of Technology, Kharagpur
46	Gunjkar Om Pnajabrao	Shri Shivaji Science College, amravati
47	ChawareSiddhali Parag	Shri shivaji science college Amaravti
48	PATIL CHETAN GIRDHAR	Pratap College Amalner
49	Singh Rohit	ABC College
50	Arjun Singh	Mahatma Gandhi ChitrakootGramodayavishwavidyalayaChitrakoot -Satna(MP)
51	Mapari Namrata Sanjay	GVISH Amravati
52	Hardeep	RAMJAS College
53	ARABINDA LUHA	National Institute of Technology Warangal , Telangana
54	Greeshma R	Mangalore university
55	Sheikh zahidnissar	Sgtbkhalsa collage delhi university
56	Hanny Rohit	Aligh University

57	Mangle Vaishnavi Pramod	Shri Shivaji Science College ,Amravati.
58	Gharat Sarvesh	VIIT Pune
59	PREMABRATA MANNA	Scottish Church College
60	Miss Keya Mondal	Jawaharlal Nehru University
61	JYOTISMITA SAHOO	NIT WARANGAL
62	kawatraneelima	shaheed rajguru college
63	DattatrayyaSadadhivAdkar	MES college of engineering pune
64	Sutar Jasmin Rafik	Shivaji University, Kolhapur
65	Harshad ManoharlalPardeshi	KBC North Maharashtra University, Jalgaon
66	M.SHALINI	P.K.R ARTS COLLEGE FOR WOMEN,GOBICHETTIPALAYAM
67	Keerthana. R	K. sr arts and science for women
68	Boricha Jayesh	Saurastra university rajkot
69	C. SANGEETHA	Barathiyar University
70	Md Aftab Alam	National institute of technology warangal
71	Gajewar Kunal	Shri Shivaji Science College,Amravati.
72	Lavanya.D	PKR arts college for women,Gobi.
73	Aarti	Punjabi University
74	Patil Shraddha Suresh	VIT, Vellore
75	Sharmeensayyad	Shri. Shivaji Science College amravati
76	Muduli Shrikant	Central University Of Jharkhand, Ranchi
77	Shubham kumar Mehta	central university of jharkhand
78	Dr. AvinashBansode	Indira College of Engineering and Management
79	Gorli Swami	Central University of Jharkhand
80	Devasani Madhuri	JNTUH COLLEGE OF ENGINEERING SULTANPUR
81	Patra Sumitra	Central University of Jharkhand
82	L HITESH KUMAR SINGHA	Assam University
83	Kwatra Anuj	Dav. College abohar
84	Pakhare Surekha Gopalrao	Shri shivaji college Akola
85	Vivek sharma	National institute of technology Warangal
86	Barik Brundabati	Central university of jharkhand,Ranchi
87	Keerthiga. R	KSR college of art and science for women
88	MondemAbhiram	Godavari institute of engineering and technology
89	Reoti Ravindra Zade	Sant Gadge Baba Amravati University, Amravati.
90	RaghavapuramRamyashree	Girraj Government Degree College (A), Nizamabad
91	Sharma Subhasis	Central University of Jharkhand
92	Sanjeetkumar	Central University of Jharkhand
93	MOHANTY SANGAM	Central University of Jharkhand
94	Puja Sharma	Central University of Jharkhand
95	Sharma Ravi	Samrat Prithaviraj Chauhan PG College Baghpat
96	Suthar mukul	Nit Warangal

97	ChainaniNainaMukeshkumar	Shri Shivaji Science College Amravati
98	Akanksha	Central University of jharkhand
99	MANISHA PRIYADARSINI	Central University of jharkhand,Ranchi
100	Das Ankita	College of basic science and Humanities, OUAT,Bhubaneswar, odisha
101	V.M.VAIDHEESWARI	PKR ARTS COLLEGE FOR WOMEN
102	Sakshi Patil	Sandip University, Nashik
103	S.NANTHINI	P.K.R ARTS COLLEGE FOR WOMEN
104	K Harinigayathri	K.S.R College of Arts and Science for Women
105	Shiba Shankar Gouda	Central University of Jharkhand
106	Harini	ksr
107	Deepanshu	NIT Warangal
108	Yawale Deepika Shrikrishna	Government Vidarbha Institute of Science and Humanities, Amravati
109	Khan Asiyamohd Ismail	Kk Somaiya college of science and commerce
110	Anuj khantwal	Govt.PG college kotdwara
111	Kothawale Nagesh Babaso	Shivaji university, kolhapur
112	Sagnik Chakraborty	Ramakrishna Mission Vivekananda Centenary College
113	Kabir beg Mirja	S.b.n.p.g.collegebarwanimadhyapradesh
114	PrajnaParomita Chanda	IEM
115	Jana Swarnendu	Raiganj University
116	KhotSambhajiDinkar	Sanjay Ghodawat University kolhapur
117	DHONGADE AKASH SANJAY	P.G.T. Department of Mathematics SGBAU AMRAVATI
118	Kandarkar Rajdeep Gajanan	Department ofmathematics, SGBAU
119	PRIYANSHI RASTOGI	NIT, Warangal
120	Mayuri RameshraoTirangase.	GVISH ,AMRAVATI.
121	Wadhwa Ashima	Dpg degree college
122	GILAKA.PEDDANNA	DR.APJ ABDULKALAM IIIT ONGOLE
123	GogoiPallabi	Assam university, silchar
124	BasuPradosh	Utkal University
125	Tripathi Apoorv	Shivaji College,University of Delhi
126	Kiran N	University of Mysore
127	Md Ekramul Haque	Patna University
128	Himanshi	Kurukshetra University
129	SANGHAVI ZEEL PRAKASHKUMAR	St.xaviers college; amdavad
130	Jain Priyanshi	Institute for Excellence in higher education,Bhopal
131	YashkumarKavaiya	NIT SURAT
132	SHABNAM ITTEFARUKKHAN PATHAN	THE MAHARAJA SAYAJIRAO UNIVERSITY OF BARODA,VADODARA

133	V.NITHIYA KUMARI	Idhaya college of arts and science for women
134	Patra Abhishek Kumar	Doctor HarisinghGour Vishwavidyalaya
135	Mr. MUSUNURU G V SANKARACHARYULU	MAHATMA GANDHI GOVT. ARTS COLLEGE,MAHE(U.T)
136	RAI RITHIK	SIES College of Arts, Science & Commerce
137	RUTI ITUM	RAJIV GANDHI UNIVERSITY
138	SAHOO SANTOSH SOURAV	NATIONAL INSTITUTE OF SCIENCE EDUCATION AND RESEARCH, BHUBANESWAR
139	Kunal Singh	Central University of Jharkhand
140	AraniMaiti	Uluberia
141	Ankit yadav	Theem College of Engineering
142	RAJNISH PARAMGURU	C.V.Raman Global University, Bhubaneswar, India
143	KATAMREDDY SUSHMANTH REDDY	NARAYANA ENGINEERING COLLEGE
144	MUKESH KUMAR DAS	PATNA UNIVERSITY
145	SHALEEN JAIN	University of Delhi, Swami Shraddhanand College
146	ravalkrushna	lukhdhirji engineering college morbi
147	MOTANI LEKHA DILIPBHAI	P.D. PATEL INSTITUTE OF APPLIED SCIENCES, CHARUSAT.
148	Dey Alankit	Motilal Nehru College
149	Kumar Purushottam	Patna University Patna
150	MAITI SUMANA	Sidho-Kanho-Birsha University, Purulia
151	Mishra Vineet Rajeshbhai	J. N. M PATEL SCIENCE COLLEGE
152	BhasulaJaskirat Kaur	SIES College of Arts, Science and Commerce
153	Chauhan yash	St Xavier's College, Ahmedabad
154	PATEL MIHIR HEMANTKUMAR	Sardar Vallabhbhai National Institute of Technology, Surat
155	MaitiSuvendu	Kharagpur College
156	TRIVEDI SAKSHI	St. Xavier's College
157	Sharma Varsha Maheshbhai	St. Xavier's college, Ahmedabad
158	DakhaveAaliya	SIES College of Arts, Commerce and Science
159	Sharma Dhiraj Bhanwarlal	VNSGU Surat
160	Gopalakrishnan Kavya	St. Xavier's College, ahmedabad
161	Dondadkar Sanjana Mukundrao	Shri Shivaji Science College Amravati
162	Rishikesh Vijaykumar Sawant	Sanjay Ghodawat University, Kolhapur
163	Karan Parashar	St.Xavier's College (Autonomous), Ahmedabad
164	SINGH AMRITPAL	Lyallpur KHALSA COLLEGE JALANDHAR
165	Rajiv Kumar	Patna University, Patna
166	Narendra Patil	KKW College, Pimpalgaon
167	GUPTA ASHISH	Dr HarisinghGour Central University Sagar
168	Acharya Hemanirajeshkumar	School of science

169	Shahi Chinmay	Matsya University, Alwar, Rajasthan
170	Patel ParimalkumarAmratbhai	Department of mathematics vnsgu
171	Mallick Priyambada	Centurion university of technology
172	Sharma Srishti	Mumbai University
173	SONI KAPIL DEV	GMS- RAMGARH
174	SHRIVASTAVA AJAY	SHRI RAMSWAROOP MEMORIAL UNIVERSITY, DEWA ROAD, BARABANKI
175	SAURABH RAJVANSHI	IIT Roorkee
176	ujjalmandal	UGB
177	LIS MARY ANTONY	St. Joseph's College (Autonomous), Devagiri
178	DASH NIHAR RANJAN	Fakir Mohan University
179	Rajpura KenilVirenbhai	St. Xaviers College, Ahmedabad
180	Kumar Harsh	Jawahar navodayavidhayalaya
181	Naik Bibekananda	Fakir Mohan University, Balasore, Odisha
182	Parmar Vishal Jagdishbhai	Rotary English Medium School Godhra
183	Poddar Chandraprakash	Department of physics, University of Rajasthan, jaipur
184	SEENA P H	Sullamusslam science college arecode
185	Jagmohan lalsharma	RRBMU ALWAR
186	Sahariyakaushal	University of kota
187	Mayank	Shivaji College University of Delhi
188	V. Semal Ahmed	C. Abdul Hakeem College Melvisharam
189	Dwivedi Sachchitanand	Institute For Excellence In Higher Education Bhopal Madhya Pradesh
190	Kundu Satyaki	IISER KOLKATA
191	Amit Kumar swain	Mahatma Gandhi central University of Bihar
192	Kaushik Subhash	Government PG College Datia, MP
193	Bakshi Yash	Government English College ,Raipur CG
194	R L Harish	Bharath university
195	Singh Sumit Kumar	IIT Guwahati
196	Bhuvaneshwari G	Bharathiar University
197	Kumar Satyam	Indian Institue of Science Education and Research, Kolkata
198	Varsha Unni	Stella Maris College, Chennai
199	Dr. Dar Tanveer Ahmad	Islamic University of Science and Technology Awantipora JK India
200	Agrawal Arpana	Department of Physics, Shri Neelkantheshwar Government PostGraduate College, MP
201	Lalit Kumar	Indian institute of science education and research Kolkata
202	Sharma Abhishek	CHRIST(Deemed to be University)
203	TisyaguptaPyne	Visva Bharati University
204	Kar Priyajit	SIDHO KANHO BIRSHA UNIVERSITY
205	KULKARNI ISHAN	WALCHAND INSTITUTE OF TECHNOLOGY

206	RAMITA SARKAR	IISER KOLKATA
207	Mankani y	R. K. Talreja college
208	SupakarSubhajit	School of Physics, University of Hyderabad
209	DebashisPrusti	Ravenshaw University
210	NEETHU GANGADHARAN	SIES
211	CHAUHAN VIKRAMSINGH KIRATSINGH	NAND VIDYA NIKETAN GUJARAT
212	SaikiaSudeshna	Jorhat Institute of science and technology
213	Panda Mahendra	Utkal University
214	Chhibber Hema	Lyallpur khalsa college Jalandhar
215	Bal Sagar	University of Calcutta
216	KUMAR DILIP	MAHATMA GANDHI CENTRAL UNIVERSITY MOTIHARI BIHAR
217	Saha Rakhi	Rajabajar Science College, University of Calcutta
218	DeyaGanguly	University of Calcutta
219	SHARMA NUTAN	Department of physics, University of Rajasthan, Jaipur
220	SHARMA NUTAN	Department of physics, University of Rajasthan, Jaipur
221	SumantaMahato	Sidho-Kanho-Birsha University
222	SANANI GOPALBHAI	St. Xavier college ahmedabad
223	Reena	kuk
224	Mr. Thorat Sushant S.	Yashavantrao Chavan Institute of Science, Satara
225	DESHMUKH AKASH ASHOKRAO	Shri Shivaji College of arts, commerce and science Akola.
226	Bhattacharjee Ankita	Amity University Kolkata
227	PARMAR DARSHITSINH RITENDRASINH	Gujarat university
228	Haseebuddin khan	Shri Shivaji College Akola
229	PRAJAPATI RONAKBHAI ASHOKBHAI	GUJARAT UNIVERSITY PHYSICS DEPARTMENT
230	A ANUDEEP KUMAR	INSTITUTE OF AERONAUTICAL ENGINEERING
231	DEY AMITABHA	NATIONAL INSTITUTE OF TECHNOLOGY AGARTALA
232	Pal Saikat	Presidency University
233	Kaushal J Agheda	Gujarat University
234	Mogilipuri Jhansi	Andhra University
235	INAMUL IMRAN THAKURIA	NIT Meghalaya
236	Shir Jayesh devshivhai	Department of physics Gujarat university
237	Vinay Bharadwaj DS	Christ University
238	Kundu Soumyadeep	Presidency University, Kolkata
239	Hemant Gohad	GVISH,AMRAVATI
240	Chakraborty Kaustav	Indian Association for the Cultivation of Science

241	N. Rohini	Pioneer kumaraswamy college
242	S. Sherin	Pioneer kumaraswamy college
243	Amarnath.Aakash	Christ deemed to be University
244	Kaur Harsimran	JC DAV college Dasuya
245	Kaur Harsimran	JC DAV College Dasuya
246	S.Sankari	Pioneer kumaraswamycollege,Nagercoil.
247	Sayantan Chakraborty	Jadavpur University
248	RATHEE ADITI	Gvm girls college, Sonipat (Affiliated to MDU ,Rohtak) Haryana
249	Talha Murtuza Patel	Sanjay ghodawat University
250	Bharate Trupti Nandalal	Shree. Shivaji college Akola
251	Zeeshan Khan	Islamia College University Peshawar
252	M.DEEPALAKSHMI	Manonmaniamsundaranar university, thirunelveli
253	Bhadra Sattwik	Presidency University, Kolkata
254	Kale Sakshi Pramod	Shri Shivaji science College Amravati
255	Kaleem Ur Rahman	Quaid-i-Azam University Islamabad
256	Mohamed Irshath	ManonmaniumSundarnar University
257	Kaviyarasan	Manonmaniamsundaranar University
258	N Nandhini	ManonmaniamSundaranar University, Tirunelveli, Tamilnadu.
259	Annin K. Shimi	Manonmaniamsundaranar university
260	Raut Sakshi Haridas	Shri.shivaji science college Amravati
261	MERCY.J	Manonmaniamsundaranar university
262	Milan Vanara	School of science
263	BALASUBRAMANIAN.K	ManonmaniamSundaranar University
264	Sahoo Biswaranjan	Centurion university
265	MujawarMuqaddas Mubarak	Sanjay Ghodawat University, Kolhapur
266	RAVIKUMAR K	MANONMANIAM SUNDRANAR UNIVERSITT
267	Bharti Shubham Gajanan	Govt. Vidarbha Institute of Science amdHumanitites, Amravati
268	ANGELIN LILIYA K	MANOMANIAM SUNDRANAR UNIVERSITY
269	P. YAMUNA	MANONMANIAM SUNDARANAR UNIVERSITY
270	S. Aravinth	ManaonmaniyamSundaranar University
271	MOHAMED ISHAQ FAIZAL	Manonmaniumsundranar university
272	PatiParthaSarathi	Utkal University
273	Mohapatra Rasmi Ranjan	NIT Agartala
274	Sagarika pati	Mahatma Gandhi College
275	Subinsaju	SB college Changanassery
276	O.S.Azarutheen	Manonmaniamsundaranar university, tirunelveli
277	Soni Diksha	JaywantiHaksar Govt. PG collage,Betul
278	K Agesthian Suresh	MANONMANIAM SUNDARANAR

		UNIVERSITY
279	Nisha PT	ManomaniamSundaranar University
280	S.LAVANYA	Mamonmaniyamsundaranar university
281	P. Aarthi	MS university
282	Pallavi	Miranda House
283	Murugalakshmi S	Manonmaniamsundaranar university
284	P.Kiruthika	ManonmaniamSundaranarUniversity,Tirunelveli
285	Pankaj Yadav	DEEN DAYAL UPADHYAYA GORAKHPUR UNIVERSITY, GORAKHPUR, U. P.
286	R Deepa	Manonmaniamsundaranar university
287	Akash PralhadGokhe	Institute of Science Nagpur
288	C.THURIGHA	ManonmaniamSundaranar University, Tirunelveli.
289	Santhiya Bharathi C	Manonmaniamsundaranar University
290	K. Srimeena	Manonmaniamsundranar university
291	BoiniBrahmanandam	University College of Science, Osmania University
292	JANA SATYABRATA	CENTRAL UNIVERSITY OF RAJASTHAN
293	Gupta Sagarika	Central University of Jharkhand
294	Mandal Arindam	City college - University of Calcutta
295	Kulkarni Sargam Sanjay	JSPM'S RajarshiShahu College of Engineering Pune
296	Gurram Venkata Tarun Kumar	Narayana junior college
297	Yadav Rohini	SVNIT Surat
298	Dwivedi Aakanksha	Sardar Vallabhbhai National Institute of Technology
299	Sarika Sharma	Central University of Jharkhand
300	Mehta Meet	NIT Surat
301	Lawankaryashwantmahadeorao	Shree shivaji science college, amravati
302	PURAN AMIT KUMAR	Central university of Jharkhand
303	PatadiyaSanket Ashish	NIT Surat
304	Parmar JaiminchandraBhikhubhai	SVNIT
305	LavuriDevilal	SVNIT, Surat
306	Abhishek Bedi	DAV College, Amritsar
307	Asish Behera	Science college hinjilicut
308	GanjirVenika	Center for Basic Sciences, Raipur
309	Deivakani V	Manonmaniamsundaranar University
310	Dipak Chandpa	SVNIT, SURAT
311	S. SELVA LAKSHMI	Manonmaniamsundaranar University
312	PANDIT HIMANGIBAHEN JITENDRABHAI	National Institute of Technology Warangal
313	J John Paul	St Joseph's College Trichy
314	Rani Twinkle	Department of Physics ,University of Rajasthan ,Jaipur ,Rajasthan.

315	Jemisha Sherolin J	ManonmaniamSundaranar University
316	DEEPAK RAJA S	Loyola College,Chennai
317	M.Vijayalakshmi	Manonmaniamsundaranar University, Thirunelveli
318	SMITHA M KUMAR	MANONMANIAM SUNDARANAR UNIVERSITY TIRUNELVELI
319	REMYA R.B	MANONMANIAM SUNDARANAR UNIVERSITY, TIRUNELVELI.
320	S. Ramyasri	Manonmaniyamsundaranar university
321	K.Divyalakshmi	ManonmaniamSundaranar University
322	K.C.MarteenaRayam	ManonmaniamSundaranar University, Tirunelveli
323	Jeslin Sunitha Bai S	Nesamony Memorial Christian College
324	R.DEVIYANI	MANONMANIAM SUNDARANAR UNIVERSITY TIRUNELVELI
325	M.Avudaiammal	Sri sarada college for women,Tirunelveli
326	m.avudaiammal	Sri sarada college for women,Tirunelveli
327	K. Ranjitha	Manonmaniamsundharanar University, tirunelveli
328	SULTAN BABA	Central University of Karnataka
329	M.Avudaiammal	sri sarada college for women,tirunelveli
330	Dahiwade Aishwarya Bhimrao	Shri shivaji science college, Amaravti
331	Ms. T. NAVEENA THIRUNAVUKKARASU	St. Joseph's College of Engineering and Technology Thanjavur
332	Karekar Anup Shailesh	Rajaram College, Kolhapur.
333	Ku. Purva. Sanjay Bholalkar	GNA College Barshitaklidist Akola
334	Patil Sakshi Panditrao	Shri. Shivaji Science College, Amravati
335	Gawande SiddheshUddhao	Shri Shivaji Science College, Amravati
336	Sakshi SudhirraoAnasane	Shri Shivaji science College, Amravati
337	Tejaswinidipakgurav	J. D. Patil Sagludkrmahavidyalay, daryapur
338	Achal Sharad deshmukh	Jdps collage darayapur
339	Khedkarakashsahebrao	J .D.Patilsangludkarmahavidyalayadaryapur
340	Deshmukh Harsha Sharadrao	Shri Shivaji Science College Amravati
341	TaywadeShrirang Narendra	Shri Shivaji Science College Amravati
342	Dike Abhishek Vishnupant	J d Patil Sangludkarmahavidyalaydaryapur
343	Janbandhu Prakash Pushyasuraj	Shri shivaji science college
344	Deshmukh radhika	Shri shivaji science college
345	Sharma Darshan	J. D. P. S. Collage Daryapur
346	Kashani Komal Hareshkumar	Shri Shivaji Science College,Amravati
347	Konde Gauri Suhasrao	Shri Shivaji Science College
348	Pachkawade Ashwin Prabhakarrao	RajarsheeShahu Science College, Chandur Railway
349	Shailesh Jaiswal	Shri R. L. T. College of Science, Akola
350	Dongale Archana Rajaram	Sanjay Ghodawant university

351	Praful D you	Gsg
352	Vairale Sakshi Dilip	Shri R. R. Lahoti Science College Morshi
353	BoiniBrahmanandam	Osmania University
354	Mange Shreya Dhanraj	Shri Shivaji science college amravati
355	Attri Nikhil	CHRIST(Deemed to be University), Bangalore
356	Rupali Madke	Shri. R. R. Lahoti Science College Morshi
357	Akib Raza Mohammad Abid	Shri Shivaji Science College Amravati
358	Gawali Abhishek Jayhari	Shri Shivaji Science College,Amravati
359	MetangeAshokrao Vaishnavi	Shri.Shivaji Science college amravati
360	Meshramdhanshrijitendra	Rajarshêeshahu science college
361	Chimoteshubhamuddhavrao	Shri.shivaji science college,amt.
362	Farkunde Vaishnavi Gajanan	J. D. Patil sanguldakarmahavidyalaya,Daryapur
363	HambardeUjwalNagorao	J.D.PatilSangludkarMahavidyalaya, Daryapur
364	Stanleydhinakar M	St.Joseph'sCollege,Trichy
365	Badwaiksanketarvind	Shri shivajiscience ,amravati
366	Arjun Nalge	Shri Shivaji Science College Amravati,Maharashtra
367	IyerRammurti Samiksha	Shri Shivaji Science College Amravati
368	Kaware Shridhar Bhakti	Shri Shivaji science college Amravati
369	WanveTejasNandakishoe	Shri shivaji science college,amaravati
370	KM Priyanka	Nit Warangal
371	Badase Neha Rajendrarao	Shri R. R. Lohoti Science College, Morshi
372	Raut Gayatri Rajendra	RajarsheeShahu Science College ,Chandur Railway
373	Gharde Abhijit Bharat	Rajrsheeshahu science college chandur railway
374	Kohale Shivani Pramodrao	Shri.R.R.Lahoti Science College, Morshi
375	Chandiwale Nikita shravan	Shri shiwaji science college (Amravti)
376	HIMANSHU DIXIT	CIPET IPT
377	KapseNilkanthNagnathappa	DSM COLLEGE PARBHANI
378	Chaudhari Prajwal Arun	Shri R R Lahoti science college morshi
379	Kakade Ankita Ashok	Shri Shivaji science college Amravati
380	Shingankar Apurva Bhimrao	Shri shivaji science college
381	Singh Sarvesh Kumar	Holy Angel Academy dhampurbijnor
382	Mehareshraddahadevanandrao	Shri Shivaji science College Amaravati
383	Mehrakashika	Davcollege, amritsar.
384	Vishnugayathri S	Madras Christian College
385	Deulkar Shraddha Dipak	Shri. Shivaji Science college,Amravati
386	Miss. Anita Guleria	Guru Nanak Dev University, Amritsar
387	ShrungareSonaliganesh	Shivaji science College
388	Khedkar Sneha Dilip	Government Vidarbha Institute of Science & Humanities
389	ShirbhateVedangiDeepakrao	Shri Shivaji Science College Amravati
390	Ali Imran	Presidency University

391	Kaur Mehakdeep	BBK DAV COLLEGE FOR WOMEN
392	Chauhan yash	St Xavier's College, Ahmedabad
393	Pande Shreya Nitin	Shri Shivaji Science college, Amravati
394	Kanav Gupta	Icfai university
395	RohankarManaswi	Shri Shivaji Science College
396	Agrawal. Sanjayji .Nayan	Shri Shivaji Science Mahavidyaly college
397	Deshmukh samikshasanjay	Shri shivaji science college amt
398	Kulkarni Yugen Atul	Shivaji University
399	Dhole	Shri shivaji science college ,amravati
400	Kardevaibhavvitthalrao	Shri. Shivaji science collage Amravti
401	Kamath Gokul R	Mar Ivanios college Thiruvananthapuram
402	Rajapandy P	Bharathidasan University
403	Sangwan Satayender	IIT Kharagpur
404	MAJI PRIYANKA	INDIAN INSTITUTE OF TECHNOLOGY KHARAGPUR
405	Sakshi Anil Chavhan	Shri shivaji science college Amravati
406	Pooja Dangi	CDLU sirsa
407	JOSE AKSA	Mar Thoma College For Women,Perumbavoor
408	Middha Shraddha	Khalsa College of education , Amritsar
409	KhopeAchal Suresh	Shri Shivaji Science College, Amravati
410	Lisha.R	Pioneer kumaraswamy college Nagercovil
411	Vishnu Vijay	Newman College Thodupuzha
412	Meshram Anup Mahendra	Shri Shivaji Science College, Amravati.
413	Wasumohanraomangesh	Shri shivaji science college,amravati
414	MeshramDhanashri Jitendra	Rajarsheeshahusciececlg
415	Nisha Yadav	National Institute of Technology Warangal
416	PANDIT HIMANGIBAHEN JITENDRABHAI	National Institute of Technology Warangal
417	Walke rani charandas	Shri shivaji science college, Amaravati
418	Radhika VasantraoShirbhate	Shri. Shivaji science college.
419	RitheYashasvi Sanjay	Shri Shivaji Science College Amravati
420	K.Ajitha	Pioneer kumaraswamycollege.Nagercoil
421	SATHEESH D M	St Joseph's college of arts and science, Trichy.
422	Kumar Satyam	IIT KHARAGPUR
423	Sheela Sahu	University of Rajasthan, Jaipur
424	Hazarika Upasana	Gauhati University
425	Waghmare PratikshaSanjayrao	Mfmwarud
426	Dhumal Akshay Madhukar	Shri Shivaji Science College, Amravati
427	ThakareAkshay Anil	Mahatma fule College Warud,
428	MaliyeRushaliRameshrao	Mahatma fulemahavidyalayawarud
429	Deshmukh samruddhipradiprao	Shri shivaji science college,amravati
430	NAVNEETH C	Mount Seena College Of Arts and Science
431	RejiTreesa	S.B College ,Autonomous

432	Abisha. I	Pioneer kumaraswamy college
433	Saini Nisha	DAV COLLEGE
434	A.Deepak	Bharathiar University
435	Miss. Patil Sumita Suryakant.	Y.C.W.M.WARANANAGAR.
436	Giri Veena Vitthal	Shri Shivaji science College Amravati
437	Hadiya Firdous Tawangar Khan	Shri Shivaji science college Amravati
438	Nayak Madhuri Vitthalrao	Shri shivaji science college amravati
439	Utkarsharamesharopatil	Vidhbhartimahavidhly Amravati
440	Cholleti Vikas	Osmania University
441	Akarte Kanchan bhashkarrao	MAHATMA FULE MAHAVIDYALAY
442	Brahmankar Neha Vijayrao	Shri Shivaji Science College Amravati
443	Wankhade Gauri Sunil	Shri Shivaji science College,Amravati.
444	BhojaneshreyashHemantrao	Mahatma fuleMahavidyalay, warud
445	Sonalchourasiya	Govt. P.g. degree college sagar
446	M. Nisha	Bharathiyar University
447	Dr. Sarita Prashant Patil	Sanjay Ghodawat University, Kolhapur
448	Dhande Gayatri Pravin	J.d.patilsangludkar collage Daryapur
449	Baraskar Ruchika kishor	Shri Shivaji Science College Amravati
450	Vaishnavi prakashraosadafale	Shri R.R.Lahoti science College morshi
451	Nagepratiksharavindra	Shri Shivaji science college amravati
452	Pinak Mandal	Tezpur university
453	Shah Md. Samsul Habib	Presidency University, Kolkata
454	SANTHIYA P S	THE GANDHIGRAM RURAL INSTITUTE-DEEMED TO BE UNIVERSITY
455	Shiwani Arvind Kadu	Shri Shivaji Science College, Amravati
456	Here RudraniRajabhau	Shri Shivaji science college amt
457	NarsingkarShreyatiMohanrao	Shri shivaji science college
458	Duleswar Behera	Centurion university of technology of management
459	Maske Pooja Ganpati	Mahatma fulemahavidyalayawarud
460	ABINASH PRADHAN	CENTURION UNIVERSITY OF TECHNOLOGY AND MANGEMENT,BHUBANESWAR CAMPUS,ODISHA
461	Dave Sejal	Shri Shivaji science College Amravati
462	Silan Kumar Behera	Adarsha College of engineering IP
463	More HarshadaSambhaji	Sanjay Ghodawat University, Kolhapur
464	Tamke Vaishnavi Namdeo	Vivekananda college kolhapur
465	Chraya Ashley	IISER Mohali
466	Sahoo Susanta	Janata Degree College, Boinda
467	KALE SAMIR SHRIDHAR	CWIT
468	Nirgule Sakshi Arun	Shri. Shivaji science college, amravati
469	PritiPriadarshni	Central University of Jharkhand

470	Abbarna K R	The Madura College
471	Indurkar Shivani ravindra	J.d.patil.sagludhkarmahavidhyaladrayapur
472	Mitra Deeshani	Jogomayadevicollege(university of calcutta)

Curriculum and Time table

Weekly Plan:

Week 1 20th July – 25th July		Week 2 27th July – 01st August		Week 3 03rd August – 08th August	
Day	**Topics**	**Day**	**Topics**	**Day**	**Topics**
1	Introduction to SCILAB envoirnment	7	Least square fitting/ interpolation	13	Modeling and Simulations with X-cos
2	Matrix & Matrix operations -1	8	Plotting 2D & 3D graphs and animation	14	Modeling and Simulations with X-cos
3	Matrix & Matrix operations -2	9	Creating Functions in SCILAB	15	Creating codes to solve the problems in Physics
4	Creating Polynomials and obtaining the roots of Polynomials	10	SCILAB programming and conditional branching	16	Creating codes to solve the problems in Physics
5	Definite integrals, Solving ODE	11	Fourier Series and Plotting Fourier Series	17	Creating codes to solve the problems in Physics
6	Solving second order differential equations	12	Introduction to X-cos	18	Creating codes to solve the problems in Physics

Assessment

Following participants are elligible for getting the certificate of online course on Physics with Scilab with the grades (Column 4) awarded on the basis of their total score in the assignments submitted.
Note: 1. For any clarification on the grades awarded, contact on mail nagpurepa@yahoo.co.in 2.
For getting the certificate submission of feedback form is must.

Sr.No.	Name	Assignment Submitted	Grade
1	Aakanksha Dwivedi	3	A
2	Aftab Alam	5	A+
3	Akanksha Yadav	5	A+
4	Ashima Wadhwa	5	A+
5	Duleswar Behera	4	A+
6	Greeshmaayana	5	A+
7	Jyotismita Sahoo	5	A+
8	Kanav Gupta	5	A+
9	Manisha Priyadarsini	1	B
10	Mayuri Nagpure	1	B
11	Mihir Patel	5	A+
12	Nikhil D Pillai	5	A+
13	Priti Priadarshnipriti	5	A+
14	Priyanka Maji	5	A+
15	Priyanshi Rastogi	5	A+
16	Sagnik Chakraborty	1	B
17	Saikat Chakraborty	1	B
18	Sanket Patadiya	1	B
19	Sakshi Nirgule	2	B+
20	Satayender K Sangwan	5	A+
21	Shiba Shankar Gouda	5	A+
22	Shrikant Muduli	5	A+
23	Silan Kumar	2	B+
24	Subhasis Shit	5	A+
25	Subrata Pasari	1	B
26	Sumana Maiti	1	B
27	Sumita Patil	5	A+
28	Surendra Kumar Sajan	1	B
29	Susant Sahoo	4	A+
30	Suvendu Maiti	1	B
31	Swarnendu Jana	3	A
32	Vishnugayathri S	1	B
33	Yugen Kulkarni	2	B+
34	Aakash Amarnath	5	A+
35	Aarthy Perumal	5	A+
36	Abbarna Pushpalatha	1	B
37	Abhishek Sharma	5	A+
38	Achal Khope	1	B
39	Agesthian Suresh	5	A+
40	Anathi Maya	5	A+
41	Angel K	5	A+
42	Annin K Shimi	4	A+
43	Anup Karekar	1	B
44	Arbind Luha	2	B+
45	Arindaam Mandal	1	B
46	Arinjoy Ghosh	3	A
47	Arinjoy Ghosh	1	B
48	Ishan Kulkarni	3	A
49	Bala Subramanian.K	5	A+
50	Bhakti Kaware	1	B
51	Cholleti Vikas	1	B
52	Darshitsinh Parmar	5	A+
53	Dattatraya Adkar	5	A+
54	Deepa Dinesh	5	A+
55	Deepak Arumugam	5	A+

56	Deiva Kani	5	A+
57	Divya Lakshmi	4	A+
58	Dr. Arpana Agrawal	1	B
59	Vikramsingh Chauhan	1	B
60	Gokul R Kammath	5	A+
61	Hc	4	A+
62	Hitesh Kumar Singha	5	A+
63	J John Paul	5	A+
64	Kaviyarasan Kaviyarasan	5	A+
65	Keya Mondal	2	B+
66	Kiruthika Hema	5	A+
67	Kumar Satyam	5	A+
68	Lalit Kumar	5	A+
69	Lavanya Laji	5	A+
70	Marteena Rayam K C	5	A+
71	Meera Ananthi	5	A+
72	Mercy John	5	A+
73	Mohamed Irshath	5	A+
74	Mohamed Ishaq Faizal	5	A+
75	Mr. Sanket Korde	1	B
76	Murugalakshmi Arul	5	A+
77	Nandhini Nandhini	1	B
78	Nandhini Navaneethan	5	A+
79	Nayan Agrawal	1	B
80	Neelima Kawatra	1	B
81	Nisha Pt	5	A+
82	Os Azar	5	A+
83	Pandit Himangi	4	A+
84	Pradosh Basu	5	A+
85	Prashant Walke	1	B
86	Premabrata Manna	4	A+
87	Priyajit Kar	4	A+
88	Radhika Shirbhate	1	B
89	Rajarshi Kundu	5	A+
90	Ramita Sarkar	4	A+
91	Ramyasri Sivan	5	A+
92	Ranjitha Kodungusamy	5	A+
93	Ravi Kumar	5	A+
94	Rithik Rai	2	B+
95	Rohini Yadav	5	A+
96	Sagar Bal	1	B
97	Sakshi Kale	5	A+
98	Sananda Das	5	A+
99	Santhiya Bharathi	5	A+
100	Santosh Sourav	5	A+
101	Satheesh Moorthy	5	A+
102	Satyabrata Jana	1	B
103	Satyaki Kundu	5	A+
104	Satyam Kumar	5	A+
105	Selva Lakshmi	3	A
106	Sharmeen Sayyad	1	B
107	Shraddha Middha	3	A
108	Shubham Bharti	1	B
109	Srimeena K	5	A+
110	Stanley Dheenu	4	A+
111	Subhajit Supakar	3	A
112	Tanveer Ahmad Dar	4	A+
113	Thuri Akash	5	A+
114	Vaishnavi Mahore	1	B
115	Venika Ganjir	5	A+
116	Vijaya Lakshmi	5	A+
117	Yamuna	5	A+
118	Yash Bakshi	1	B

Shri Shivaji Education Society, Amravati's

Shri Shivaji Science College

Shivaji Nagar, Nagpur Road, Amravati (MS)

NAAC Accredited by Grade "A" with CGPA of 3.13 (Third Cycle),
UGC Awarded Status of College with Potential for Excellence (Second Phase),
Identified by DST, Govt of India for FIST and Sant Gadge Baba Amravati University, Amravati as Lead College

Affiliated to Sant Gadge Baba Amravati University, Amravati (MS) INDIA



CERTIFICATE

This Certificate is awarded to

Master Santosh Sourav Sahoo

Position: Student **Affiliation:** NATIONAL INSTITUTE OF SCIENCE EDUCATION AND RESEARCH, BHUBANESWAR

For the successful completion of the Online Certificate Course on PHYSICS WITH SCILAB as prescribed and ported by the Department of Physics during 20th July -15th August 2020.

His/Her performance was

Satisfactory(B)/ Good(B+)/ Excellent(A)/ **Outstanding(A+)**.

Course Coordinator	Head of the Department	IQAC Coordinator	Principal

Date: 17/08/2020

Summary Report and Outcome

Summary Report & Course Outcome

The applications of SCILAB software in Science and Engineering bearing in mind, a four weeks online course "Physics with SCILAB" was designed and implemented by Department of Physics during 20th July-15th August, 2020 particularly for Physics Students and Faculty. The course was announced through online platforms two months prior to the commencement. An enormous response had received from the Physics students from all over India, including the UG/PG/Research students of IIT's, IISER's, NIT's, Central Universities, State Universities, Deemed Universities and Affiliated collages. In all 472 students registered out of which 300 students were selected for the course. After rigorous evaluation through the five assessments 118 have found eligible for awarding the course completion certificate. The course was conducted totally through online platform as Video Lectures (You Tube) and Live Online Lectures (Zoom). The expected outcomes of the course from the participants as mentioned below have confirmedthrough the evaluation of the assignments conducted during the course. The satisfaction of the students is reflected in their feedbacks about the course contents, content delivery, doubt solving and evolution process. Students learned through this course:

- Introduction to Scilab environment
- Scilab datatypes, variables and constants
- Matrix operation in Scilab
- Plotting math functions in Scilab
- Changing axes properties in scilab plots
- Plotting Bar graphs in Scilab
- Putting Latex formatted text and math symbols in Scilab plots
- Solving linear algebraic equations in Scilab
- Introduction to Xcos: The Scilab simulator
- Making simulations for Physical systems using Xcos
- Introduction to Scilab functions
- Writing your own functions in Scilab
- Solving ordinary differential equations

- Calculating Fourier coeficients and Plotting Fourier Series
- Conditional branching
- Creating codes to solve the problems in Physics Coordinator Hea

Dept. of Physics (Nanomaterials Synthesis and Characterization Techniques (NSCT-2020)

Name and Duration of the Program

Nanomaterials Synthesis and Characterization Techniques (NSCT-2020) (Online) – 2019-2020

Online Short Term Course on

"Nanomaterials Synthesis and Characterization Techniques (NSCT-2020)"

Duration of the course:	Three weeks
Total credits:	Three credits (2 for theory + 1 for practicals)
Eligible students for admission:	B.sc. III Sem VI students. M.sc. II Physics, chemistry students.
Total seats available:	50 seats for offline course (no limit for online course)

Online Short TermCourse on

"Nanomaterials Synthesis and Characterization Techniques (NSCT-2020)"

27th July-15th August, 2020

List of the Students Enrolled and Attendance

List of Enrolled Students

Sr.NO.	Full Name (Surname First)	Name of the Affiliation\Institute\College
1	Chawaresiddhali Parag	Shri Shivaji science College
2	ChainaniNainaMukeshkumar	Shri Shivaji Science College Amravati
3	MahorevaishnaviNarayanrao	Shri Shivaji science College
4	Ku ankitaprabhakarraosirsuddhe	J.d.patilsanguldhkarmahavidyalaya
5	ThakareNarendrakumar Bharat	Shri Shivaji Science & Art's College Chikhli, Dist. Buldana
6	Vishal BhiwsenBhise	Late PunadalikraoGawali Arts and Science Mahavidyalaya, Shirpur Jain
7	GawaliHarshadaNandkishor	Shri. Shivaji Science College, Amravati
8	Jitendra Ashok Borse	Late Pushpadevi Patil Arts and Science college Risod.Dist-Washimmaharashtra
9	Jain rutuja	Shri shivaji science college Amravati
10	BhaleJaishree Vivek	Shri Shivaji college of Arts ,Commerce and Science ,Akola
11	SHUBHAM MAHADEO CHAVHAN	SHUBHAM MAHADEO CHAVHAN
12	Gawande RutujaShrikrushna	JDPS MahavidyalayaDaryapur
13	Amantullamansuri	GH raisoni university, chhindwara
14	Jadhao Pooja Madhukar	B. B. Art's, N. B. Commerce, B. P. Science College, Digras
15	Gawali Dhananjay Purushottam	Shri Shivaji Science College, Amravati
16	Dr. Jadhao Vasant Keshavrao	B.B.Arts, N.B.Commerce&B.P.Science College DigrasDist.Yavatmal
17	Umbarkar Nikhil Bhikaji	Late Pushpadevi Patil Arts and Science College RisodDist-Washim
18	Darshikakhone	Visvesvaraya National Institute of Technology nagpur
19	H P Nagaswarupa	Davangere University
20	Mangle Vaishnavi Pramod	Shri Shivaji Science College Amravati.
21	Chavhanvaishnavikishor	Shri. Shivaji science college amravati
22	Purva Rajesh Dhamankar	Shri Shivaji Science College Amravati
23	Gireedhar Pandurang Save	Janata Mahavidyalaya Chandrapur
24	UmaleTejaswini Rajesh	S.S.S.K.R InnaniMahavidyalaya Karanja (lad)
25	Tatte Trupti Rameshpant	Shri. Dr. R. G. Rathod Arts and Science College,

		Murtizapur
26	Gawali Abhishek Jayhari	Shri Shivaji Science College, Amravati
27	Here RudraniRajabhau	Shri Shivaji science college
28	Asole Nitin Gajanan	Bapumiyasirajoddin Patel arts commerce and science College pimpalgaon kale
29	Manish Santosh Ingale	SSSKR INNANI MAHAVIDYALAYA KARANJA LAD
30	Deshmukh Harsha Sharadrao	Shri Shivaji Science College Amravati
31	Metange Vaishnavi Ashokrao	Shri Shivaji Science College Amravati
32	Dahiwade Aishwarya Bhimrao	Shri Shivaji Science College Amravati
33	Dr. Haridas Janardhan Kharat	Shankarlal Khandelwal College Akola MS
34	Nilay Prashant Bonte	Shri Shivaji Science College, Amaravati
35	Patidar Sushma	Acropolis Institute of Technology and Research
36	Atish VijayraoKohale	Shri R. R. Lahoti Science College Morshi
37	Gattu Ketan P	Department of Nanotechnology, Dr. Babasaheb Ambedkar Marathwada University Aurangabad
38	Somvanshi Sandeep B.	Department of Physics, Dr. Babasaheb Ambedkar Marathwada University
39	HIVREKAR MAHESH MUNJAJI	Deogiri college Aurangabad
40	Vishal Vilas Bopinwar	G s gawande college umarkheddistyavatmal
41	Nikam Vishal	Shri shivaji science College amravati
42	CHINCHOLKAR VICKY RAJENDRA	SHRI SHIVAJI SCIENCE COLLEGE AMRAVATI
43	Raskar Nita Dnyaneshwar	Department of physics Dr.bamu Aurangabad
44	Dake D.V.	Dr. B. A. M. U. Aurangabad
45	Sarkate Sudhakar Parmeshwar	Gopika Sitaram Gawande Mahavidyalaya, Umarkhed
46	Dondadkar Sanjana Mukundrao	Shri Shivaji Science College Amravati
47	vithalvinayak	shreechhaterapatishivaji college Omerga
48	Tatte Trupti Rameshpant	Shri. Dr. R. G. Rathod Arts and Science College, Murtizapur
49	Gore Sandip Sheshrao	R A College Washim
50	Nalle Pallavi Baswaraj	Shri Shivaji Science and Arts College Chikhli
51	Sheetal vishwanathsawarkar	Shri shivaji science college Armravati
52	DighadeRamanikaVishweshwarrao	VidyabharatiMahavidyalaya Amravati
53	Shende Chavan	Shri Shivaji Science College, Amravati
54	AswarAshokraoShubhangi	Smt. Radhabai Sarda College, AnjangaonSurji
55	Gadpayale Rajshree Pandharinath	Arts Commerce and Science College MaregaondistYavtmal
56	Athawale	Government Vidarbha Institute of Science and Humanities

	ShubhangiAshokrao	Amravati Maharashtra
57	PalaspagarPratiksha Vijay	Shri Shivaji Science College Amravati Maharashtra
58	Sidheshwar G Gaurkhede	Bhavan's College Andheri West
59	HAQUE MAHELAQUA	P. G. T. DEPARTMENT OF PHYSICS, RTMNU CAMPUS
60	Hurde Kishor Krishnarao	Mungasaji Maharaj MahavidyalayaDarwha District Yavatmal
61	KherdeDnyaneshwarrao Nivedita	Shri Shivaji Science College, Amaravati
62	Dandekar Giriraj Dilip	Bhavans college
63	Mangate Dada Manikrao	Shri Shivaji Arts Commerce and Science College MotalaDistBuldana
64	Bramhankar Parag Ankush	Shri Shivaji art's commerce and science college motala
65	Pandey ritikghanshyam	Bhavans college
66	Bhongale Kuldip Vitthal	Nilkanthrao Shinde Science and Arts College, Bhadrawati, Dist-Chandrapur
67	Dhananjay Dubey	Bhavans college
68	Ghumde Shubham Dayaram	Department of physics
69	Mane nikitaramesh	Bhavans college
70	MangateNutanVasanta	Department of physics, RashtrasantTukdoji Maharaj Nagpur University, Nagpur.
71	Bramhankar Kanchan	Department of physics, University Campus,Nagpur
72	Ghumde Shubham Dayaram	Department of physics
73	Vishwakarma vishal	Bhavans college
74	Inamdar ArfaMishkaat	M.m college darwha
75	MaityMonalisha	Rashtrasanttukdojimaharaj Nagpur University
76	Chavhan Deepika Sanjay	Smtradhabai sarda college
77	Rokadednyaneshwarsumit	Yashwantrao chawhan Arts commerce and science college Lakhandur
78	Chavhan Ankit Devidas	AmolakchandMahavidyalayaYavatmal
79	Wasnik Pranay Bhupal	Yashwantrao chawhan Art's commerce and science college Lakhandur
80	BHAGAT SHAILESH KASHINATH	Yashwantrao Chawhan Art Commerce and Science College Lakhandur
81	JaulkarTejaswini Manoj	Rashtrasanttukadoji Maharaj Nagpur University
82	Khandelwal sourabh	Campus university Nagpur
83	ZILPE VIDYA DINESHRAO	MAK College of Women's
84	Baid Sakshi	RTMNU ,Campus , Nagpur
85	DAS, DWITI KRUSHNA	National Centre for Nanosciences and Nanotechnology, University of Mumbai
86	Alange Ravindra Chanbasappa	S M P College MurumTqOmergaDistosmanabad
87	NirbanSohailMehmud	Mungsaji Maharaj Mahavidyalay, Darwha

	Ali	
88	Mandurkarpundlikraopayal	Mungsajimaharaj college darwha
89	Joshi Rucha Sanjay	University Campus College, Nagpur
90	Dhillon Parminder	Physics Department, RTMNU
91	Khan Maimuna Zishan Zarin Khalil Khan	Mungsaji Maharaj MahavidalayaDarwah
92	Solanki Jafar Ali Mohammad	Mungsaji Maharaj MahavidyalayDarwha
93	Chambhareprerana	Post graduate teaching department of physics RTMNU Nagpur
94	AaliyaKausar Abdul Khalil	Mungsaji Maharaj Mahavidyalay
95	Pandey Roshani	Nagpur university , campus.
96	Chavhan Tanvi Vijaysinh	Shri Shivaji Science College ,Amravati
97	Dr. Sarita V. Agnihotri	AmolakchandMahavidyalayYavatmal
98	Dhiraj Bhaskar Channekar	Shri Shivaji Art's Commerce and Science College Motala DIST Buldana
99	BakdeSonal Prakash	Shri R. R. Lahoti Science College ,Morshi
100	Chaudhari Kajal Dipak	Mungasaji Maharaj MahavidyalayaDarwha
101	BobadeRutuja Vijay	PRMITR
102	Jaiswal Priya Rajesh	Mungasaji Maharaj Mahavidyalaya, Darwha
103	Pratap Kumar C	CIIRC-Jyothi Institute of Technology, Bengaluru, Karnataka, India
104	PrathameshKeshao Deshmukh	Fergusson College Pune
105	SurveAsmitaSamadhan	Fergusson College, Pune
106	Pratiksha Ravindra Nage	Shri Shivaji science college amravati
107	Abdul Wajid Abdul Razique	Shri Shivaji College of Arts, Commerce and Science, Akola
108	Thakare Sakshi Kiran	Shri Shivaji Science College Amravati.
109	Mangle Vaishnavi Pramod	Shri Shivaji Science College Amravati.
110	Gajewar Kunal	Kunal Gajewar
111	KHARAT PRASHANT BABURAO	Vinayak VidnyanMahavidyalaya, NandgaonKhandeshwar, Dist. Amravati
112	Deshmukh samidhasanjay	Shri shivaji science college amravati
113	Alange Ravindra Chanbasappa	S M P College MurumTqOmergaDistosmanabad
114	Jadhao Nilesh Govinda	Nabira College Katol
115	Shiwani Arvind Kadu	Shri Shivaji Science College, Amravati
116	Punse Vikas Sukhadeorao	Shri. Shivaji Science College, Amrvati
117	Karde Vaibhav Vitthalrao	Shri. Shivaji science collage Amravati
118	Dixit Monika Shyamkumarji	JagadambaMahavidyalaya

119	Inamdar ArfaMishkaat	Mungsajimaharajmahavidyalayadarwha
120	KUMBHARE BHUPENDRA TIKARAM	Shri R. R. Lahoti Science College,Morshi
121	KordeSanket Shailendra	Shri shivaji science college amravati
122	Meshram Anup Mahendra	Shri Shivaji Science College, Amravati.
123	Wankhade Vaishnavi vijayrao	Shri Shivaji science college, amravati
124	GulavaniVaibhavi Ramchandra	Fergusson college Pune
125	Kolekar Nitin Daji	Shri. R. R. Lahoti Science College, Morshi
126	Sharmeensayyad	Shri Shivaji Science college amravati
127	Joshi Rucha Sanjay	University Campus College, Nagpur
128	FarheenKausar Shaikh Nazeer	Smt.Radhabai Sarda arts commerce and science college
129	Aishwarya bhimraodahiwade	Shivaji science
130	Agnihotri Sarita	AmolakchandMahavidyalayYavatmal
131	MANKAR SUWARNA SHANKARRAO	Shri Shivaji Science College Amravati
132	Ambekar rani	M.M.collageDarwha
133	KubadeMohanraoPratiksha	Shri Shivaji science College Amravati
134	GadePratiksha Kishor	Shri Shivaji Science College, Amravati
135	TAIWADE MUKTA GOPAL	Shri Shivaji Science College, Amravati
136	Rathi Khushbu Ashokkumar	Department of Physics, University campus,RTMNU,Nagpur
137	Agrawal.Sanjayji. Nayan	Shri Shivaji Science Mahavidhyaly Amravati
138	Shewatkar Aditi Kishorrao	Shri Shivaji Science College, Amravati
139	Sonal	Shri R. R. Lahoti Science College ,Morshi
140	Jadhao Shital Rameshrao	Nehru Mahavidyalaya (Art, Commerce, Science)Nerparsopant, Dist-Yavatmal
141	Dr Sachin VitthalraoMukhamale	Shri Pundlik Maharaj MahavidyalayaNandura
142	NIMKAR SHRIKANT HIWRAJ	SHRI SHIVAJI ARTS COMMERCE AND SCIENCE COLLEGE AKOT
143	KhopeAchal Suresh	Shri Shivaji Science College Amravati
144	Fartode Poonam Ashokrao	Shri Shivaji Arts ,Commerce And Science College , Akot.
145	Mahajan Sandip Vitthalrao	S M D M M K College, Kalamb, osmanabad
146	Kamble Sanjay	S M D M M K College, Kalamb, osmanabad
147	Malviya Varsha	Renaissance University
148	Dr.ARTI MANISH CHAUDHARI	YESHWANT MAHAVIDYALAYA, WARDHA
149	Awasarmol Vishal	Swami Vivekanand college, mantha

	vishwanath	
150	Pawar Sandip Sampatrao	Dept. Of Physics, Dr. B.A.M.U. Aurangabad
151	Rokade Sneha Kiran	S. S. S. K. R. Innanimahavidyalaykaranja lad
152	Tatte Trupti Rameshpant	Shri. Dr. R. G. Rathod Arts and Science College, Murtizapur
153	Deshmukh Aishwarya Manoj	Mahajan science college yavatmal
154	Tiwari Shamli Jitendra	VidyabhartiMahavidyala Amravati
155	Chute KalawatiNago	RTMNU CAMPUS
156	Bhoyar Dhananjay Natthuji	Shri Shivaji Science & Arts College ChikhaliDistBuldana
157	MandaokarSonal Eknath	Shri shivaji science college amaravati
158	Kamble Sanjay	S M D M M K College, kalamb, osmanabad
159	Chandak Neha Prakash	Vidya bharatimahavidyalaya,Amravati
160	MetangeAshokrao Vaishnavi	Shri.Shivaji Science College Amravati
161	DahakekiranMadhukarrao	Shri shivaji science college Amravati
162	KhadeShubhangi Gajanan	Shri. Shivaji Science College, Amravati
163	PandeDilipVrushali	Shri Shivaji science College Amravati
164	Ganvir Vikrant Yashwant	Yeshwantrao Chavan College of Engineering Nagpur
165	Barwal Ankita chatursingh	Shri Shivaji science collage amravati
166	Narolkar Monika	Shri Shivaji Science College
167	Tamkhane Aarti Ramrao	Shri Shivaji science college, Amravati
168	Kalmegh Bharat Darshan	Shri Shivaji Science College, Amravati

Curriculum and Time table

COURSE SCHEDULE

Module 1: Introduction to nanomaterials and their Synthesis (2 Credit)

Lecture 1: History, Status, and Importance of Nanoscience and Nanotechnology

Lecture 2: Co-precipitation synthesis

Lecture 3: Sol- gel synthesis

Lecture 4: Hydrothermal synthesis

Lecture 5: Combustion Method

Lecture 6: Solid State Method:

Lecture 7: Spray Pyrolysis Technique

Lecture 8: Green synthesis

Module 2: Characterization techniques session: (1 Credit)

Lecture 9: Fundamentals of X-ray diffraction & Instrumentation.

Lecture10: Crystallites size determination using X-ray diffraction spectroscopy.

Lecture 11: Fundamentals of FTIR spectroscopy and instrumentation.

Lecture 12: Analysis of FTIR spectra.

Lecture 13: Fundamentals of Raman spectroscopy.

Lecture 14: Applications of Raman spectroscopy.

Lecture15: Fundamentals of UV-Vis spectroscopy and instrumentation.

Lecture 16: Qualitative and quantitative study of materials using UV-Vis spectroscopy.

Lecture 17: Fundamentals of Electron Microscopy: SEM and TEM.

Lecture 18: Applications of SEM and TEM.

WEEKLY PLAN

Week 1:

Day	Date	Topic	Speaker	Assignment (10M)
Day1	27/07/2020	Nanotechnology	Dr. P. P. Khirade	Assignment1
Day2	28/07/2020	Sol- gel synthesis	Dr. P. P. Khirade	Assignment 2
Day3	29/07/2020	Co-precipitation synthesis	Ms. S. M. Butte	Assignment 3
Day4	30/07/2020	Hydrothermal synthesis	Dr. S. K. Sayyed	Assignment 4
Day5	31/07/2020	Combustion Method	Dr. S. S. Arsad	Assignment 5
Day6	01/08/2020	Solid State Method	Dr. S. S. Arsad	Assignment6

Week 2:

Day	Date	Topic	Speaker	Assignment (10M)
Day1	03/08/2020	Spray Pyrolysis	Dr. V. V. Deshmukh	Assignment7
Day2	04/08/2020	Green Synthesis	Dr. V. V. Deshmukh	Assignment8
Day3	05/08/2020	X-ray diffraction	Dr. N. N. Sarkar	Assignment9
Day4	06/08/2020	X-ray diffraction	Dr. N. N. Sarkar	Assignment10
Day5	07/08/2020	FTIR spectroscopy	Dr. S. K. Sayyed	Assignment11
Day6	08/08/2020	FTIR spectroscopy	Dr. S. K. Sayyed	Assignment12

Week 3:

Day	Date	Topic	Speaker	Assignment (10M)
Day1	10/08/2020	UV-Vis spectroscopy	Dr. W. S. Barde	Assignment13
Day2	11/08/2020	UV-Vis spectroscopy	Dr. W. S. Barde	
Day3	12/08/2020	Electron Microscopy: SEM	Dr. A. B. Bodade	Assignment14
Day4	13/08/2020	Electron Microscopy: TEM	Dr. A. B. Bodade	Assignment15
Day5	14/08/2020	Raman spectroscopy	Dr. P. A. Nagpure	Assignment16
Day6	15/08/2020	Raman spectroscopy	Dr. P. A. Nagpure	

Assessment

Assessment			
Sr. No.	**Name of the participants**	**Affiliation\Name of Institute**	**Grade**
1	Ms. AaliyaKausar Abdul Khalil	Mungsaji Maharaj Mahavidyalay, Darwha	A+
2	Ms. Aishwarya Dahiwade	Shri Shivaji Science College, Amaravati	A+
3	Dr. Amantulla Mansuri	G. H. Raisoni university, saikheda	B
4	Anup MahendraMeshram	Shri Shivaji Science College, Amravati.	A
5	Dhananjay Gawali	Shri Shivaji Science College, Amaravati	A+
6	Dr Haridas Janardhan Kharat	Shankarlal Khandelwal College Akola MS	A+
7	Dr. Jaishree Vivek Bhale	Shri Shivaji College of Arts, Commerce and Science, Akola	A+
8	Dr Sushma Patidar	Acropolis Institute of Technology and Research, Indore	A+
9	Dr. Varsha Malviya	Renaissance University, Gram Reoti, Sanwer Road, Indore	A
10	Dr. Atish VijayraoKohale	Shri R. R. Lahoti Science College, Morshi	A+
11	Dr. R. C. Alange	Shri Madhavrao Patil Mahavidyalaya, Murum.	A
12	Dr. Sarita V. Agnihotri	AmolakchandMahavidyalayYavatmal.	A+
13	Dr. Shital RameshraoJadhao	Nehru Mahavidyalaya (Art, Commerce, Science)Nerparsopant, Dist-Yavatmal	A+
14	Dr. Sidheshwar G Gaurkhede	Bhavan's College Andheri (West) Mumbai-58	A+
15	Dr. Sonal Prakash Bakde	Shri R. R. Lahoti Science College, Morshi	A+

16	Dr. Trupti RameshpantTatte	Shri. Dr. R. G. Rathod Arts and Science College, Murtizapur	A+
17	Dr. Vishal Vishwanath Awasarmol	Swami Vivekanand Senior College, Mantha	A+
18	Dr. Vithal Vinayak	Department of Chemistry, Shri Chhatrapati Shivaji College, Omerga	A+
19	Dr.Arti Manish Chaudhari	YESHWANT MAHAVIDYALAYA, WARDHA	A
20	Harsha Deshmukh	Shri Shivaji Science College, Amaravati	A+
21	Khushbu Ashokkumar Rathi	Department of Physics, University campus,RTMNU,Nagpur	A
22	Ms. snehakiranRokade	S. S. K. R. Innanimahavidyalaya, karanja lad	A+
23	Kuldip VitthalBhongale	Nilkanthrao Shinde Science and Arts College ,Bhadrawati	A+
24	Kunal Gajewar	Shri Shivaji Science College, Amaravati	A+
25	Ms. Maimuna Zishan Zarin Khalil Khan	Mungsaji Maharaj MahavidalayaDarwah	A
26	Ms.Tejaswini Rajesh Umale	S.S.S.K.R InnaniMahavidyalaya Karanja (lad)	B+
27	Ms. NainaMukeshkumarChainani	Shri Shivaji Science College, Amaravati	A+
28	Nivedita DnyaneshwarraoKherde	Shri Shivaji Science College,Amaravati	A+
29	Mr. Parag Ankush Bramhankar	Shri Shivaji Art's, Commerce and Science College, Motala	A+
30	Mr. Pranay B Wasnik	Yashwantrao Chawhan Art's Commerce and Science College Lakhandur	A
31	Ms. Pratiksha Kishor Gade	Shri Shivaji Science College, Amravati	A+
32	Ms. Pratiksha Ravindra Nage	Shri Shivaji Science College, Amravati	B

33	Ms. Rajshree PandharinathGadpayale	Arts Commerce and Science College MaregaondistYavtmal	A+
34	Ms. Rucha S. Joshi	University Campus College, Nagpur	A+
35	Ms. Rutuja Vijay Bobade	GVISH,Amravati.	A
36	Sakshi Kiran Thakare	Shri. Shivaji Science College Amravati.	A+
37	Sandip Pawar	Dept. Of Physics, Dr. B.A.M.U. Aurangabad	A+
38	Sanjana MukundraoDondadkar	Shri. Shivaji Science College Amravati.	A+
39	SHAILESH KASHINATH BHAGAT	Yashwantrao Chawhan Art Commerce and Science College Lakhandur	A+
40	sharmeensayyad	Shri Shivaji Science College, Amravati	A+
41	Sheetal vishwanathsawarkar	Shri Shivaji Science College, Amaravati	A+
42	Siddhalichaware	Shri Shivaji Science College, Amaravati	A+
43	Sudhakar Parmeshwar Sarkate	Gopikabai Sitaram Gawande (GSG) College, Umerkhed (Dist. Yavatmal).	A
44	SUMIT DNYANESHWAR ROKADE	Yashwantrao Chawhan Arts, commerce and science college Lakhandur	A+
45	SuwarnaShankarraoMankar	Shri ShivajiScience College Amravati, M.S.	A+
46	Ms. Vaibhavi R. Gulavani	Fergusson College, Pune	A+
47	Ms. Vaishnavi Kishor Chavhan	Shri. Shivaji science College, Amravati	A+
48	Ms. Vaishnavi Metange	Shri Shivaji Science College, Amaravati	A+
49	Ms. Vaishnavi Pramod Mangle	Shri Shivaji Science College, Amaravati	A

50	Ms. Vidya DineshraoZilpe	MAK college of Women's, Hinganghat	A+
51	Mr. Vikas SukhadeoraoPunse	Shri Shivaji Science College, Amaravati	A
52	Ms. Vishal Ravindra Nikam	Shri Shivaji Science College, Amaravati	A

Shri Shivaji Education Society, Amravati's

Shri Shivaji Science College

Shivaji Nagar, Nagpur Road, Amravati (MS)

NAAC Accredited by Grade "A" with CGPA of 3.13 (Third Cycle),

UGC Awarded Status of College with Potential for Excellence (Second Phase),

Identified by DST, Govt of India for FIST and Sant Gadge Baba Amravati University, Amravati as Lead College

Affiliated to Sant Gadge Baba Amravati University, Amravati (MS) INDIA



CERTIFICATE

This Certificate is awarded to

Ms. Aaliya Kausar Abdul Khalil

Position: PG Student **Affiliation:** Mungsaji Maharaj Mahavidyalay, Darwha

For the successful completion of the Online Certificate Course on

"Nanomaterials Synthesis and Characterization Techniques (NSCT-2020)" as prescribed and ported by the Department of Physics during 27th July -15th August 2020.

His\Her performance was

Satisfactory(B)/ Good(B+)/ Excellent(A)/ **Outstanding(A+).**

Course Coordinator	Head of the Department	IQAC Coordinator	Principal

Date: 20/08/2020

Summary Report and Outcome

Summary Report & Course Outcome

Techniques (NSCT-2020) Duration of the course: Three weeks (27th July 2020 to 15th August 2020) Total credits: Three credits (2 for theory + 1 for practicals) Eligible students for admission: B.sc. III Sem VI students. M.sc. II Physics, chemistry students. A Three week online short term course on NANOMATERIALS SYNTHESIS AND CHARACTERIZATION TECHNIQUES was launched on 27th July 2020 by Department of Physics. Total 168 students were enrolled for the course. The three-week course comprised of 18 lectures with one speaker per day, 10 assignments, and one final test. Lectures were delivered by the all faculty members from department of physics. Finally 52 participants completed the course successfully.

Outcome of the course: Through regular assessments and final test, we come to know that students have acquired the basic knowledge of,

- Synthesis approach for fabrication of inorganic 0D, 1D, 2D nanostructures.
- Importance of nano materials over bulk materials.
- Size dependent physical and chemical properties of nanomaterials.
- Selection of characterization tools (including X-ray diffraction, FTIR, UV-vis spectroscopy, electron microscopy techniques (SEM and TEM), etc) to characterize nanomaterials.
- Stoichiometric calculations of chemical reaction.
- Analysis and interpretation of data related to X-ray diffraction, UV-VIS spectra, FTIR spectra and other structural parameters.

Course Coordinator H.O.D

Dept. of Physical Education (Certificate Course Yoga and Meditation)

Name and Duration of the Program

CERTIFICATE COURSEIN IN YOGA AND MEDITETION

For

UG And PG Students

Period : October 2019

Total Duration: 34 hour (15 days)

Organized by

DEPARTMENT OF PHYSICAL EDUCATION AND SPORTS
SHRI SHIVAHI SCIENCE COLLEGE AMRAVATI

For registration contact to
Dr. Sugandh Band and R.A.Ingole
on before
22 October 2019

प्रा. सुगंध ए. बंड
विभाग प्रमुख
शारीरिक शिक्षण विभाग
श्री शिवाजी विज्ञान महाविद्यालय,
अमरावती

List of the Students Enrolled and Attendance

SHRI SHIVAJI SCIENCE COLLEGE AMRAVATI

Department of physical; education

Certificate Course in In Yoga and Meditation

ATTENDANCE CHART (2019-20)

Sr. no	Name of the student	3.10.2019	4.10.2019	5.10.2019	6.10.2019	7.10.2019	8.10.2019	10.10.2019	11.10.2019
1)	Vishanvi Mipane	✓	✓	—	✓	✓	✓	✓	✓
2)	Divya Bhaiyya	✓	—	✓	✓	✓	✓	✓	✓
3)	Tejeswini Pakl	—	✓	✓	✓	✓	✓	✓	✓
4)	Sejal Kombe	—	—	A	A	✓	✓	✓	✓
5)	Tanika Awaunkar	—	—	—	✓	✓	✓	✓	A
6)	Neha Awandhkar	—	—	✓	✓	✓	✓	✓	✓
7)	Mahima Daniwal	—	—	✓	✓	✓	✓	✓	✓
8)	Madhura Lalchandani	—	—	✓	✓	✓	✓	A	✓
9)	Shradha Tambaskar	A	✓	✓	✓	✓	✓	✓	✓
10)	Samiksha Chawale	✓	✓	✓	✓	A	✓	✓	✓
11)	Simran ingle	—	✓	—	✓	✓	✓	✓	✓
12)	Anchal Chudhari	—	✓	✓	✓	✓	✓	—	
13)	Mauri Chandane	✓	A	✓	✓	✓	✓	—	✓
14)	Divya Shrungare	✓	✓	✓	✓	✓	✓	✓	✓
15)	Samiksha Nimaje	—	—	✓	✓	✓	✓	✓	✓
16)	Maithile Dewkar	✓	—	✓	A	✓	✓	—	✓
17)	Shetal Chuhan	✓	✓	A	✓	✓	✓	A	A
18)	Disha Ade	✓	✓	✓	—	✓	—	✓	
19)	Sakshi Rakhane	—	✓	✓	✓	✓	✓	✓	✓
20)	Vaibhavi Kajbage	✓	✓	✓	✓	✓	✓	—	✓
21)	Achal Dhobale	✓	✓	✓	✓	✓	✓	A	✓
22)	Pranali Bhusari	✓	✓	—	✓	✓	✓	✓	✓
23)	Samruddhi Bhonde	✓	✓	✓	✓	✓	✓	✓	
24)	Kalyani Khobragade	✓	✓	—	✓	✓	✓	✓	✓
25)	Mrunmai Kumare	✓	—	✓	✓	✓	✓	✓	✓
26)	Kirti Solanke	✓	✓	—	✓	✓	✓	A	✓
27)	Prajwal Sawake	✓	A		✓	✓	A	—	A
28)	Dhananjay Mane	✓	✓	—	✓	A	✓	✓	
29)	Sushant Rathode	✓	✓	—	A	✓	✓	A	—
30)	Kishor Bute	—	✓	✓	✓	✓	✓	✓	✓
31)	Shambhaji Jawade	✓	✓	A	✓	✓	✓	✓	✓
32)	Pranali Bhusari	✓	✓	—	✓	—	A	—	✓
33)	Abhay Mahajan	✓	—	—	✓	—	✓	A	✓
34)	Priyanka Sharma	✓	✓	—	✓	—	✓	✓	✓
35)	Sanchit Munde	✓	✓	—	✓	✓	✓	✓	—
36)	Harshal Bansod	✓	✓	✓	✓	—	✓	✓	—

Prof. Sugandh E. Band
H.O.D.
Department of Physical Education

Curriculum and Time table

YOGA AND MEDITETION COURCE SHEDULE

SETION 2019-20

Sr.no	Date	Time		Name of the resource person	Name of the topic
		Morning	Evening		
1	3.10.2019	7 to 8.30 am (P)	5 to 5.45 pm (T)	**Rupali A. Ingole** (Shri Sivajiscience College Amravati)	• Role of Ashtang Ashtang Yoga Yamas, Niyamas, Asana, Pranayama and Dhyana ,Dharana, Pratyahar • Stress Management: Modern and Yogic perspectives • Tackling ill-effects of Frustration, Anxiety and Conflict through modern and YogicMethods • Meditation Techniques • Suryanamaskar
2	4.10.2019	7 to 8.30 am (P)	5 to 5.45 pm (P)	**Shri . Vishvas jadhaw** (Member Of State Yoga Association)	. Karnapidasana . Bhujangasana . Shalabhasana . Sarpasana .Dhanurasana .Vakrasana
3	5.10.2019	7 to 8.30 am (P)	5 to 5.45 (P)	**Dr. Sugandh Band** (Shri Sivajiscience College Amravati)	.Gomukhasana .Mayurasana .Kukkutasana .Ushtrasana .Padma - Bakasana .Parvatasana .Muktasana .Virasana
4	6.10.2019	7 to 8.30 am (P)	5 to 5.45 pm (T)	**Dr. Hanumant Lunge** (shri shivaji arts and com college Amravati)	.Bhadrasana .Chakrasana (Sideward) .Chakrasana (Backward) .Tadasana .Pada - hastasana .Utkatasana
5	7.10.2019	7 to 8.30 am (P)	5 to 5.45 pm (T)	**Dr. Sugandh Band** (Shri Sivajiscience College Amravati)	. Anuloma-viloma . Ujjayi . Shitali . Sitkari. Bhastrika
6	8.10.2019	7 to 8.30 am (P)	5 to 5.45 pm (T)	**Shri . Vishvas jadhaw** (Member Of State Yoga Association)	.Jalandhara Bandha .Uddiyana Bandha .Jicha Bandha .Mula Bandha

Prof. Sugandh E. Band
H.O.D.
Department of Physical Education

7	10.10.2019	7 to 8.30 am (P)	5 to 5.45 pm (T)	**Dr. Hanumant Lunge** (shri shivaji arts and com college Amravati) aw	.Ardha-Matsyendrasana .Paschimatanasana .Supta Vajrasanai .Yoga Mudra
8	11.10.2019	7 to 8.30 am (P)	5 to 5.45 pm (P)	**Rupali.AIngole** (Shri Sivajiscience College Amravati)	. Sarvangasana . Matsyasana . Halasana
9	12.10.2019	7 to 8.30 am (P)	5 to 5.45 pm (T)	**Shri . Vishvas jadhaw** (Member Of State Yoga Association)	1.Jala Neti 2.Sutra Neti 3.Dhauti (Vamana,Danda,Vastra)
10	13.10.2019	7 to 8.30 am (P)	5 to 5.45 pm (T)	**Dr. Sugandh Band** (Shri Sivajiscience College Amravati)	.Natarajasana .Garudasana .Vajrasana .Padmasana
11	14.10.2019	7 to 8.30 am (P)	5 to 5.45 pm (T)	**Dr. Hanumant Lunge** Dr. Hanumant Lunge (shri shivaji arts and com college Amravati)	. Shrishasana .Crocodile Practices (Four variations) . Pavanmuktasana . Naukasana . Viparitakarani
12	15.10.2019	7 to 8.30 am (P)	5 to 5.45 pm (P)	**Rupali A. Ingole** (Shri Sivajiscience College Amravati)	• Suryanamaskar • Pranayama - Definition and Classification. Difference between pranayama and deep breathing.
13	17.10.2019	7 to 8.30 am (P)	5 to 5.45 pm (T)	**Shri . Vishvas jadhaw** (Member Of State Yoga Association)	.Nauli .Kapalabhati .Trataka
14	18.10.2019	7 to 8.30 am (P)	5 to 5.45 pm (P)	**Dr. Sugandh Band** (Shri Sivajiscience College Amravati)	. Bhramari . Suryabhedana . Chandrabhedana . Murccha(Theory only) . Plavini(Theory only)
15	19.10.2019	7 to 8.30 am (P)	5 to 5.45 pm (T)	**Dr. Hanumant Lunge** (shri shivaji arts and com college Amravati)	.Shavasana .Makarasana. (Importance of Rechaka, Kumbhaka, Puraka. • Introduction to Kriyas, Mudras and Bandhas in brief.)

ıle 3 : Pranayama

Module 4 : Bandhas And Mudras

Module 5 : Kriyas

Yoga Course Programme shall be of 200 marks as follows:

Area	Part	Head		Mark
Theory	I	1	Internal Assessment and exam	100
Practical (Internal Assessment)	II	5	Internal Assessment	100
			TOTAL	200

SYLLABUS

The course consists of Theory, Practical, Teaching methods and practical training on Teaching. The Theory paper is of 100 Marks.

Module 1) Yogic Therapy through Traditional Understanding

1. Asanas
2. Pranayama
3. Kriyas
4. Bandhas and Mudras
5. Yogic Therapy

- Role of Ashtang Ashtang Yoga Yamas, Niyamas, Asana, Pranayama and Dhyana ,Dharana, Pratyahar
- Stress Management: Modern and Yogic perspectives
- Tackling ill-effects of Frustration, Anxiety and Conflict through modern and YogicMethods
- Meditation Techniques
- Suryanamaskar
- Pranayama - Definition and Classification. Difference between pranayama and deep breathing.

. Importance of Rechaka, Kumbhaka, Puraka.

- Introduction to Kriyas, Mudras and Bandhas in brief.

Practical Training in Yoga

PRACTICALS:

Module 2) A. ASANAS:

nrishasana
2. Crocodile Practices (Four variations)
3. Pavanmuktasana
4. Naukasana
5. Viparitakarani
6. Sarvangasana
7. Matsyasana
8. Halasana
9. Karnapidasana
10. Bhujangasana
11. Shalabhasana
12. Sarpasana
13.Dhanurasana
14.Vakrasana
15.Ardha-Matsyendrasana
16.Paschimatanasana
17.Supta Vajrasanai
18.Yoga Mudra
19.Gomukhasana
20.Mayurasana
21.Kukkutasana
22.Ushtrasana
23.Padma - Bakasana
24.Parvatasana
25.Muktasana
26.Virasana
27.Bhadrasana
28.Chakrasana (Sideward)
29.Chakrasana (Backward)
30.Tadasana
31.Pada - hastasana
32.Utkatasana
33.Natarajasana

Garudasana
35.Vajrasana
56.Padmasana
36.Shavasana
37.Makarasana

Module 3) B.PRANAYAMA

1. Anuloma-viloma
2. Ujjayi
3. Shitali
4. Sitkari5. Bhastrika
6. Bhramari
7. Suryabhedana
8. Chandrabhedana
9. Murccha(Theory only)
10. Plavini(Theory only)

Module 4) C.BANDHAS AND MUDRAS

1.Jalandhara Bandha
2.Uddiyana Bandha
3.Jicha Bandha
4.Mula Bandha

Module 5) D.KRIYAS

1.Jala Neti
2.Sutra Neti
3.Dhauti (Vamana,Danda,Vastra)
4.Nauli
5.Kapalabhati
7.Trataka

Assessment

Yoga and meditation certificat course (2020-21)

Record of pass students and certificate

Full Name	Other Identifier	Other Identifier 2	Total Score	Percent Score	Passed?
Abhijit Hemant Ingole		G.V.I.S.H. Amravati	58	96.7%	TRUE
Dr.Rupali Abhijit Ingole	Teacher	SSSC, AMT	40	66.7%	TRUE
Dr.Rupali Abhijit Ingole	shri shivaji science college amravati	Teacher	46	76.7%	TRUE
Dr.Abhijit Hemant Ingole	G.V.I.S.H. Amravati	Other	54	90.0%	TRUE
Dr.Rupali Abhijit Ingole	Shri Shivaji Science College Amravati	Teacher	46	76.7%	TRUE
Dr.Rupali Abhijit Ingole	Shri Shivaji Science College Amravati	Teacher	48	80.0%	TRUE
Dr Madhavi Mardikar	Institute OfScience Nagpur	Teacher	48	80.0%	TRUE
Shoaib Ahmed	Indo Public School Amravati	Teacher	44	73.3%	TRUE
CLEVERSON SYIEMLIEH	SHILLONG COLLEGE, SHILLONG	Teacher	42	70.0%	TRUE
VedangiDeepakraoShirbhate	Shri Shivaji Science College Amravati	Student	44	73.3%	TRUE
Shekhar virulkar	Shri shivaji science college,amravati	Other	48	80.0%	TRUE
Jaya	Mahatma fule high school hiwarkhed	Student	34	56.7%	TRUE
Pratik SunilraoPathare	Degree College of Physical Education, Amravati	Teacher	50	83.3%	TRUE
Amol Ashok Palekar	PIS, Karad	Teacher	44	73.3%	TRUE
SameersinghPradeepsinghChavhan	Podar International school, Chakan	Teacher	40	66.7%	TRUE

Abhilashabajpai	DCPE, Hvpm Amravati Maharashtra	Student	42	70.0%	TRUE
Sandip Mandale	Degree College of Physical Education,Amaravati	Teacher	54	90.0%	TRUE
Dr.VishalNilkanthrao Shinde	Nilmanthraoshinde science & Arts College, Bhadrawati	Teacher	36	60.0%	TRUE
NIRAJ DAF	ND SPORTS Foundation	Teacher	42	70.0%	TRUE
Vaishnavi pradip band	Shri Shivaji Science College, Amravati	Student	44	73.3%	TRUE
ISHFAQ AHMAD SHEIKH	HVPM DCPE	Student	42	70.0%	TRUE
Bebi Sanjay Digraskar	R k institute	Student	32	53.3%	TRUE
Dr. A. D. Jadhao	B. B. Arts N B Commerce and B P Science College Digras	Teacher	30	50.0%	TRUE
Mr. Noor Ahmad Khan	Athlete Academy	Teacher	38	63.3%	TRUE
Dr. Ravindra BhauraoTembhurne	Spm Science & Gilani Arts Commerce College Ghatanji Dist. Yavatmal	Teacher	28	46.7%	TRUE
Prof Sushama Vilasrao Jadhav Patil	WarnaMhavidhyayalaAitwdekh	Teacher	26	43.3%	TRUE
PRANAV DILIP HADE	Shri Shivaji art's & commerce College amravati	Other	42	70.0%	TRUE
Dr.SangitaNilkanthLohakpure	Shri Dhabeker kala MahavidhyalayKhadki Akola	Teacher	34	56.7%	TRUE
Mrs.Aarti Vaibhav Ekadpatil	Anekant English medium school.Baramati.	Teacher	46	76.7%	TRUE
Mr. Sukhwinder	Sri Guru Harkrishan Sen.sec Public School Mallianwal (GSP)	Teacher	40	66.7%	TRUE
Vishakha Aniruddha Joshi	Bhavan's Lloyds Vidya Niketan, Wardha	Teacher	44	73.3%	TRUE
Dr. Madhuri Y. Kopulwar	Adarsha Science J.B. Arts	Teacher	50	83.3%	TRUE

	& Birla Commerce Mahavidyalaya ,Dhamangaon Rly				
KartikiAnantrao Ingole	Shri Shivaji Science CLG, Amravati	Student	42	70.0%	TRUE
Dr. Pramod N Humbad	MES Arts and Commerce College MehkarDist-Buldhana	Teacher	38	63.3%	TRUE
Dr. Arunabha Ray	Shri Govindprabhu Arts and commerce y, Talodhi	Teacher	40	66.7%	TRUE
Arun Mishra	Sant Gajanan Cricket Acedamy	Other	36	60.0%	TRUE
Mr. Rajesh RameshraoGawhale	B.S.Patil College Padatwada , Amravati.	Student	48	80.0%	TRUE
NILESHFULAMBARKAR	TITANS' PUBLIC SCHOOL	Teacher	32	53.3%	TRUE
Shreya Nitin Pande	Shri Shivaji science College, Amravati	Student	44	73.3%	TRUE
AvinashVasantraoMandake	Bharati Vidyapeeth English Medium School Navi Mumbai	Teacher	46	76.7%	TRUE
Dr.purushottamwarluramteke	Chishtiya college of art science khuldabaddist Aurangabad Maharashtra India	Teacher	32	53.3%	TRUE
Yashwant Gajanan Mahajan	Kces college of education and Physical Education, Jalgaon	Student	46	76.7%	TRUE
Ku Shalimar Ranjit Kathade	washim	Student	58	96.7%	TRUE
Praful RameshraoPadole	WamanraojiMankar High school Khamlikatol	Teacher	36	60.0%	TRUE
bhagyashribanubakode@gmil .com	Sant gadge baba amravati University	Other	30	50.0%	TRUE
Ranjit v. Kathade	Happy Faces School Washim	Teacher	60	100.0%	TRUE

NishikantMarotiSadaphule	Dayanand Science college latur	Teacher	46	76.7%	TRUE
Dr.SeemaVinodrao Deshmukh	Smt.S.R.MohataMahilaMahavidyalayaKhamgaonDist-Buldhana	Teacher	40	66.7%	TRUE
Tina Sunny Verma	ShrikrishnaSharirikShikshanMahavidhyalay Wardha	Student	42	70.0%	TRUE
Pranav MohanraoDandale	SGBAU	Teacher	50	83.3%	TRUE
Prof. Rupesh Vasant Rupwate	ASM's College of Commerce, Science & Information Technology, Pimpri, Pune	Teacher	56	93.3%	TRUE
MrunalDiliprao Ramteke	Shri shivaji science college amravati	Student	46	76.7%	TRUE
Jyoti kale	Shri shivaji college Akola	Other	50	83.3%	TRUE
Miss SonaliShridharraoHarne	St Xavier's Cathedral School CBSE Amravati	Teacher	46	76.7%	TRUE
kavita R gadbail	rastrashanthtukdojimaharaj nagpur university	Student	42	70.0%	TRUE
Mr. Dilip Ramteke	Patel School Wardha	Student	24	40.0%	TRUE
Sanjay Keshavrao Kale	Shri Shivaji college of Art's, Commerce & Science, Akola	Teacher	58	96.7%	TRUE
Shraddha Vilasrao Werulkar	Shri Shivaji science college Amravati	Student	44	73.3%	TRUE
Mr. Ajoy Singha	Degree College of Physical Education	Other	38	63.3%	TRUE
Dr.BaraskarHaridasKanifnath	Shri Shivaji Mahavidyalaya,Barshi.Dist Solapur	Teacher	56	93.3%	TRUE
Pawan V Khanke	SSD Wardha	Teacher	40	66.7%	TRUE
Mr. Rameshwar PrakashraoNage	St. Xavier's Cathedral School CBSE Amravati	Teacher	40	66.7%	TRUE
Pratiksha Kishor Gade	Shri Shivaji Science	Student	50	83.3%	TRUE

	College, Amravati				
Nikhil K Potdukhe	ChintamanuWardha	Student	46	76.7%	TRUE
PURVA GANESHRAO KHERKAR	RSSM Visapur Chandrapur	Teacher	48	80.0%	TRUE
TULSI CHANDRASHEKHAR CHAUDHARI	Ashirvad High School, Nagpur	Student	54	90.0%	TRUE
Prof. Vicky Tulshiram Petkar	RashtriyaSharirikShikshan MahavidyalayaVisapurTah. Ballarpur Dist. Chandrapur	Teacher	60	100.0%	TRUE
Vaishnavi kailasraopachpor	Shri Shivaji science College amravati	Student	42	70.0%	TRUE
Dr. Chandrashekhar Popat Chaudhari	Institute of Science, Nagpur	Teacher	60	100.0%	TRUE
Dr.prafullprakashvarale	Madhukarraopawar Arts college Murtizapurdist Akola	Teacher	30	50.0%	TRUE
Ramnarayan J Ravidas	Rashtriyasharirikshikshan MahavidyalayaVishapurdis t ..chandrapur	Student	54	90.0%	TRUE
SHRUTI VINOD GHATE	FES GIRLS JUNIOR COLLEGE	Student	60	100.0%	TRUE
Mr. Bandu Mahadev Dohe	RashtriyaSharirikShikshan MahavidyalayyaVisapurTa h. Ballarpur Dist. Chandrapur	Other	60	100.0%	TRUE
Anju	Raahtriyasharirikshikhanm ahawdyalayavisapurtah. Ballarpur dist. Chandrapur	Student	52	86.7%	TRUE
Sanjaya Anil Tak	Mahatma FuleHighschool ,HiwarkhedTq ...Morshi Dist...Amravati	Teacher	52	86.7%	TRUE
Ruchita Sanjeev Ambekar	Rashtriyasharirikshikshanm ahavidyalayavisapur	Student	58	96.7%	TRUE
Ashish Chandrakant Mahajan	P R Pote College Of Engineering And	Student	56	93.3%	TRUE

	Management Amravati				
devanandvaidyavvaidyaishakhs	devanandvaidya	Teacher	38	63.3%	TRUE
Mayur Vilas Bonampalliwar	RaahtriyaSharirikShikshan MahavidyalayaVisapurTah Ballarpur Dist Chandrapur	Student	60	100.0%	TRUE
GowardhanYadorao Wankhede	R S MundleDharampeth Art and Commerce College North Ambazari Road Nagpur Maharashtra	Teacher	44	73.3%	TRUE
प्रा.सुनीलकाशिरामराठोड	उद्देशवरउच्चमाध्यमिकविद्यालयसावरगावता.देवनीजि.लातूर	Teacher	16	26.7%	FALSE
Ikhalak	ikhalak Rasul Pathan	Student	54	90.0%	TRUE
Neha prakashbaseshankar	RaahtriyaSharirikShikshan MahavidyalayaVisapurTah. Ballarpur Dist. Chandrapur	Student	58	96.7%	TRUE
Dr Sujata Haribhau Shende	ShivramjiMogheMahavidhyalayapandharkawada	Teacher	40	66.7%	TRUE
Tanmay Rajesh Todase	RashtriyaSharirikShikshan MahavidyalayaVisapurTah. Ballarpur Dist Chandrapur	Student	52	86.7%	TRUE
Praful Arvind Meshram	Rastiyasharirikshikashanmahavidyavisapur	Student	60	100.0%	TRUE
Rakesh BhauraoThawari	Rashtriyasharirikshikshanmahavidyalayavisapurtah.balharshadist.chandrapur	Student	60	100.0%	TRUE
Dr Anita MotiramjiMalge	Rajaram college kolhapur	Teacher	50	83.3%	TRUE
DR. D. G. SONTAKKEY	VASANTRAO NAIK GOVERNMENT INSTITUTE OF ARTS AND SOCIAL SCIENCES, NAGPUR	Teacher	48	80.0%	TRUE
Kamal Sandeep Bhange	Beginner English school Hiwarkhed	Teacher	52	86.7%	TRUE
Varsha Tulshiram Petkar	RashtriyaSharirikShikshan	Other	60	100.0%	TRUE

	MahavidyalayaVisapur				
Dr. Vinod VitthalraoBayaskar	Nanibai College Of Education, Amravati	Teacher	52	86.7%	TRUE
Monika Hanuman Khandare	Rk material and art school	Student	60	100.0%	TRUE
Sonuramkisanrathod	RK institutaton	Student	58	96.7%	TRUE
KULDEEP RAJKISHOR GOND	Sardar Patel Mahavidyalaya, Chandrapur	Teacher	58	96.7%	TRUE
Reena rajedraprasadbisnoi	R.s.s.n	Student	52	86.7%	TRUE
Mr. Suraj BandujiParsutkar	Bajaj Vidya Bhavan, Chandrapur	Teacher	60	100.0%	TRUE
Dr CHANCHAL KUMARI	PG Department of Psychology, Kolhan University, Chaibasa, Jharkhand	Other	26	43.3%	TRUE
Poonam	GHS BamhauriSuhagee	Teacher	24	40.0%	TRUE
SonalKantilalRangari	Arts College Badnera	Teacher	34	56.7%	TRUE
DR BRIJENDRA SINGH BOUDHA	Bundelkhand degree college jhansi UP	Teacher	46	76.7%	TRUE
Dr. Nandini Pandurang Wagh	Pankaj Arts and Science College ChopdaDist-Jalgaon	Teacher	42	70.0%	TRUE
Hanuman Bajiya	RashtriyaSahririkShikshan MahavidhalayVisapurChandrpur Maharashtra	Student	46	76.7%	TRUE
MeghaLomeshambekar	Sardar patel college chandrapur	Student	58	96.7%	TRUE
Abhishek JayhariGawali	Shri Shivaji Science College, Amravati	Student	34	56.7%	TRUE
AsmitaDolas	School of scholars	Teacher	40	66.7%	TRUE
Yogita sewakramborkar	RSSM Visapurchandrapur	Student	58	96.7%	TRUE
Dr. MamtaSakta	Pestle Weed College of Information Technology	Teacher	40	66.7%	TRUE

	Dehradun Uttarakhand				
SUMER MEGHWAL	RashtriyaSharirikShikhanMahavidhalayVisapurChandrpur(Maharashtra)	Student	54	90.0%	TRUE
Richa jadaun	DAVV,indore	Student	60	100.0%	TRUE
Suresh Kisanrao Ingle	Nehru Mahavidyalaya, Nerparsopant. Dist. Yavatmal.	Teacher	40	66.7%	TRUE
Shital Sewakramborkar	RashtriyaSharirikshiksham ahawidyalay	Student	60	100.0%	TRUE
Dr.BHARATSING ASARAM SALAMPURE	Dagdojiraodeshmukh arts sci com college walunjaurangabad	Teacher	22	36.7%	FALSE
Miss Sheetal BabanraoVidhate	Department of Education, Sant Gadge Baba Amravati University	Teacher	42	70.0%	TRUE
MR.GAIKWAD DNYANESHWAR RAMDAS	ZPUPS CHARNER TA.SILLOD DIST.AURANGABAD	Teacher	38	63.3%	TRUE
Mr.RAJGURU FAKIRA BHAGWAN	Z.P.M.U.P.SCHOOL MOHANA BK	Teacher	50	83.3%	TRUE
Sangram anilraodakhole	RASHTRIYA SHARIRIK SHIKSHAN MAHAVIDYALAY, VISAPUR,	Student	60	100.0%	TRUE
DEVA RAM DHAKA	Kuchaman Education Kuchaman City (Nagaur)	Student	58	96.7%	TRUE
SURYAKANT ATMARAM THAKUR	MPASC College panvel	Other	20	33.3%	FALSE
Mohd Nasir	Al Barkaat Institute of Education, Aligarh	Student	40	66.7%	TRUE
Dr. Subhash S. Dadhe	Dhanwate National College, Nagpur	Teacher	60	100.0%	TRUE
Monali Vijay Patil	Nashik	Student	20	33.3%	FALSE

Hemant Kautik Kale	Government Ashram School DalwatKalwan Nashik	Teacher	36	60.0%	TRUE
Gayatri Diliprao Holey	Shri. Shivaji Science College, Amravati	Student	44	73.3%	TRUE
Pinki	Institute of education bundelkhand university jhansi	Student	50	83.3%	TRUE
DR. LARENSH KUMAR BOUDHA	GOVERNMENT COLLEGE CHINOR DISH GWALIOR M.P.	Teacher	50	83.3%	TRUE
ANIRUDHA GOYAL	BUNDELKHAND DEGREE COLLEGE JHANSI	Teacher	56	93.3%	TRUE
Shital sewakram Borkar	RashtiyshariikshikshaMahavidyaly	Student	56	93.3%	TRUE
Pankaj Harishchandra Chavhan	Nehru College Ner	Teacher	18	30.0%	FALSE
Mohammed Iqbal yusufansari	Feroze Gandhi College, Raebareli	Teacher	46	76.7%	TRUE
DETHE KRUSHNA VIJAY	DR. PANJABRAO DESHMUKH KRISHI VIDYAPEETH, AKOLA	Student	54	90.0%	TRUE
Vilas keshoraoparate	Rashtriyashariikshikshanmahavidyalay ,visapur ta. Ballahrpurdistchandrapur	Student	30	50.0%	TRUE
Ms. Farha	Al-barkaat Institute of Education, Aligarh	Teacher	56	93.3%	TRUE
Dr. jyotiverma	Bundelkhand digree college jhansi	Teacher	48	80.0%	TRUE
Rahul Anil Chaudhari	Pune University	Student	26	43.3%	TRUE
Dinesh	Amravati	Student	42	70.0%	TRUE
Priyanka Arun Ragit	RashtriyaShariikShikshan Mahavidyalaya, Visapur	Student	52	86.7%	TRUE

Sandip Madhukar Pawar	SHRI SARASWATI SAMAJKARYA MAHAVIDYALAY WASHIM	Student	26	43.3%	TRUE
Ms. Asma Khan	Al- Barkaat Institute of Education., Aligarh	Teacher	60	100.0%	TRUE
Mr. USMAN ATIF	Al-Barkaat Institute of Education, Aligarh	Teacher	60	100.0%	TRUE
SANGHRAKSHAK PRAKASH BADGE	ARTS COLLEGE BADNERA	Student	48	80.0%	TRUE
Pratiksharavindranage	Shri Shivaji science college amravati	Student	20	33.3%	FALSE
Bharti pradeep Shende	Kinder garten school	Teacher	40	66.7%	TRUE
Bharti pradeep Shende	Kinder garten school	Teacher	40	66.7%	TRUE
SANGHRAKSHAK PRAKASH BADGE	ARTS COLLEGE BADNERA	Student	48	80.0%	TRUE
Mr. USMAN ATIF	Al-Barkaat Institute of Education, Aligarh	Teacher	60	100.0%	TRUE
Ms. Asma Khan	Al- Barkaat Institute of Education., Aligarh	Teacher	60	100.0%	TRUE
Sandip Madhukar Pawar	SHRI SARASWATI SAMAJKARYA MAHAVIDYALAY WASHIM	Student	26	43.3%	TRUE
Priyanka Arun Ragit	RashtriyaSharirikShikshan Mahavidyalaya, Visapur	Student	52	86.7%	TRUE
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Ms. Farha	Al-barkaat Institute of Education, Aligarh	Teacher	56	93.3%	TRUE
Dr. jyotiverma	Bundelkhand digree college jhansi	Teacher	48	80.0%	TRUE
Vilas keshoraoparate	Rashtriyasharirikshikshamm ahavidyalay ,visapur ta.	Student	30	50.0%	TRUE

	Ballahrpurdistchandrapur				
DETHE KRUSHNA VIJAY	DR. PANJABRAO DESHMUKH KRISHI VIDYAPEETH, AKOLA	Student	54	90.0%	TRUE
DETHE KRUSHNA VIJAY	DR. PANJABRAO DESHMUKH KRISHI VIDYAPEETH, AKOLA	Student	54	90.0%	TRUE
Vilas keshoraoparate	Rashtriyasharirikshikshanmahavidyalay ,visapur ta. Ballahrpurdistchandrapur	Student	30	50.0%	TRUE
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Dr. jyotiverma	Bundelkhand digree college jhansi	Teacher	48	80.0%	TRUE
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Ms. Asma Khan	Al- Barkaat Institute of Education., Aligarh	Teacher	60	100.0%	TRUE
Mr. USMAN ATIF	Al-Barkaat Institute of Education, Aligarh	Teacher	60	100.0%	TRUE
Bharti pradeep Shende	Kinder garten school	Teacher	40	66.7%	TRUE
SANGHRAKSHAK PRAKASH BADGE	ARTS COLLEGE BADNERA	Student	48	80.0%	TRUE
Pratiksharavindranage	Shri Shivaji science college amravati	Student	20	33.3%	FALSE
Mohammed Iqbal yusufansari	Feroze Gandhi College, Raebareli	Teacher	46	76.7%	TRUE
Shital sewakram Borkar	RashtiysharirikshikshaMah	Student	56	93.3%	TRUE

	avidyaly				
ANIRUDHA GOYAL	BUNDELKHAND DEGREE COLLEGE JHANSI	Teacher	56	93.3%	TRUE
DR. LARENSH KUMAR BOUDHA	GOVERNMENT COLLEGE CHINOR DISH GWALIOR M.P.	Teacher	50	83.3%	TRUE
Pinki	Institute of education bundelkhand university jhansi	Student	50	83.3%	TRUE
Gayatri Diliprao Holey	Shri. Shivaji Science College, Amravati	Student	44	73.3%	TRUE
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Dr. Subhash S. Dadhe	Dhanwate National College, Nagpur	Teacher	60	100.0%	TRUE
Mohd Nasir	Al Barkaat Institute of Education, Aligarh	Student	40	66.7%	TRUE
DEVA RAM DHAKA	Kuchaman Education Kuchaman City (Nagaur)	Student	58	96.7%	TRUE
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Mr.RAJGURU FAKIRA BHAGWAN	Z.P.M.U.P.SCHOOL MOHANA BK	Teacher	50	83.3%	TRUE
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MR.GAIKWAD DNYANESHWAR RAMDAS	ZPUPS CHARNER TA.SILLOD DIST.AURANGABAD	Teacher	38	63.3%	TRUE
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Dr. MamtaSakta	Pestle Weed College of Information Technology Dehradun Uttarakhand	Teacher	40	66.7%	TRUE
Yogita sewakramborkar	RSSM Visapurchandrapur	Student	58	96.7%	TRUE
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DR BRIJENDRA SINGH BOUDHA	Bundelkhand degree college jhansi UP	Teacher	46	76.7%	TRUE
SonalKantilalRangari	Arts College Badnera	Teacher	34	56.7%	TRUE
Hanuman Bajiya	RashtriyaSahririkShikshanMahavidhalayVisapurChandrpur Maharashtra	Student	46	76.7%	TRUE
Vasistha A Khodaskar	Teacher	7021776640	38	63.3%	TRUE
M.D.Thakare	Never Rope Down	Teacher	38	63.3%	TRUE
PRO.PRADEEP HARIBHAU SHENDE	SHI.VASANTRAO NAIK ART,COMM AND SCIENCE MAHAVIDYLAY DHARNI DIS.AMRAVATI MS	Other	46	76.7%	TRUE
POORVA ANNASAHEB	DNYANOPASAK	Student	38	63.3%	TRUE

BOBADE	COLLEGE,PARBHANI				
MOHAMMAD ALTAMASH	Anjuman College Of Engineering And Technology	Student	24	40.0%	TRUE
Madhuridevi Kailash Ram	Rashtriyasharirikshikshanmahavidyalay	Student	48	80.0%	TRUE
Fairy Khan	Al Barkaat Institute of Education	Student	48	80.0%	TRUE
Gaurav	RSSM VISAPUR	Student	54	90.0%	TRUE
NAMRATA NARENDRA SURVE	GARGI SPORTS CLUB	Other	40	66.7%	TRUE
Dr.Ramachandra.K	Govt first grade college vittal	Teacher	48	80.0%	TRUE
Ikhlakrasulpathan	Rashtriyasharirikshikshanmahavidyalayvisapur	Student	60	100.0%	TRUE
Dr.MinakshiHaribhauGawali	K.S.K.W.College, Cidco	Teacher	54	90.0%	TRUE
Neeraj Hiralal Joshi	Bhavan's Vidya Mandir	Teacher	50	83.3%	TRUE
Shital SewakramBorkar	RashtriyaSharirikShikshanMahavidyalayaVisapur	Student	60	100.0%	TRUE
Ms.NainaParshotamLalchandani	Balkan-Ji-Bari EM school	Teacher	42	70.0%	TRUE
Dr.AnuraginiRameshraoBokey	Matoshri vimlabai Deshmukh Mahavidyalaya Amravati	Teacher	32	53.3%	TRUE
Dr. Rajani Murkute	NSSM Nagpur	Teacher	44	73.3%	TRUE
Vijay Ram Dhongade	Mauli institution washim	Student	58	96.7%	TRUE
Dr. RevatiHemantrao Ingole	college of agriculture	Student	42	70.0%	TRUE
Nikita yadav	School of physical education DAVV Indore	Student	60	100.0%	TRUE

Dept. of Physics (Descriptive Statistics Using R Lang.)

Name and Duration of the Program

Descriptive Statistics Using R Lang – 2019-2020

Online Certificate Course on

Descriptive Statistics Using R Language

For Advt

Depart of Statistics , Shri Shivaji Science College , Amravati announces a three weeks online course

Descriptive Statistics Using R Language

Eligibility :

Student with Mathematics at 12th Standard wishing to understand and use basic statistical measures with the Open Source R language

Prerequisites:

Be able to use computers .

Duration of Course:

Three Weeks (25th July to 12th Aug 2020)

After successful completion of the course a E- certificate will be issued by Shri Shivaji Science College , Amravati on the performance

For more details of the course and to enroll follow the link

Associated Mail uvk.olc.stat@gmail.com

Deatails uploaded to stat mail DS Using R dir

Duration of the Course:

THREE WEEKS (27th July to 15th August 2020)

Five/Six video lectures will be released and oneassignments will be given in one week. The lectures can be viewed at any time during that week and assignments shall have to be submitted before given deadline. The questions and discussions facility will be available through Google Classroom.

After successful completion of the course a certificate will be issued by Shri Shivaji Science College, Amravati depending on the performance.

Course Content

- Introduction R language
- R environment Saving ,Storing and Retrieving work
- R datatypes, variables and constants
- Matrix operation in R
- Methods of Data Input
- Importing Data from Excel
- Graphics with R
- Primary , Secondary Data
- Frequency , Cumulative Frequency , Classification of Data, Classification Rules
- Measures of Central Tendency
- Measures of Dispersion
- Skewness , Kurtosis
- Correlation and Regression Techniques

List of the Students Enrolled and Attendance

Name of Student	College Name	Gender	Mobile No
Talha	shri shivaji science college	Male	+91 9119550895
AdikaBhaiyyasahebThakare	Shri Shivaji science college amaravati	Female	9579897196
Vishakha Prakash Nagzirkar	Shri Shivaji Science College Amravati	Female	9021402151
ShamliDilipraoMankar	Shri Shivaji Science College, Amravati	Female	9284266729
PranjaliJivanraoingole	Shri Shivaji science College Amravati	Female	8668898639
Ruchika Thakare	Shri shivaji science college Amaravati	Female	7447879461
Shubhangirajeshcharpe	Shri shivaji science college amaravti	Female	7972510528
Ku.Sakshi Ramesh Rakhonde	Shru. Shivaji Science College Amravati	Female	7720893016
Anurag Sunil Raut	Shri shivaji science college, Morshi	Male	7083886095
Nikita shravanchandiwale	Shri shiwaji science college (Amravti)	Female	7057998624
Ku. Swati Sudhakar waghmare	Shri Shivaji science college Amravati	Female	9172845031
Shivaji Kishor Dahane	Shri Shivaji Science College , Amravati	Male	9307289917
Pooja prakash Varma	Shri Shivaji science College	Female	9356162693
Harsh pandey	Shri Shivaji Science College Amravati	Male	7083417991
Rakesh Ravindra Zamde	Shri Shivaji Science college, Amravati	Male	7620663431
Vaibhav shrikrushnabayaskar	Shri shivaji science college Amravati	Male	9404272914
Purva Vilasrao Bonde	Shree shivaji science college	Female	7385135163
Vaidehi Bhaskar Dhamnikar	Shri.Shivaji Science College,Amravati	Female	7448241747
Shreya Dhande	Shri Shivaji Science college Amravati	Female	7887456648
Aniket deepakmahalle	Shri shivaji science college amravati.	Male	8329875112
Prachi kolhe	Shri shivaji science college amravati	Female	9168346587
Dhanashrichavhan	Shri Shivaji Science College , Amravati	Female	9146094922
Saurav Jadhav	Shri Shivaji Science College , Amravati	Male	8329600424
Roshni Dipakgir Goswami	Shri shivaji science College Amravati	Female	9307627579
Gayatri DattajiDawane	Shri. Shivaji Science College Amravati	Female	7775838985
Arpita Ashok pandharikar	Shrei Shivaji science College Amravati	Female	9370993504
Chanchal dnyaneshwarchalkhure	Shri shivaji science college ,amravati	Female	9960664672
Vaishnavai Raju Raut	Shri Shivaji Science College, Amravati	Female	9730465565
PratikshaVijayraoGoge	Shri Shivaji Science College, Amravati.	Female	7066138478
Prabhat Prakash Wankhade	Shri Shivaji Science College Amravati	Male	9158862933
Sakshi Rambhauwange	Shri shivaji science college,amravati	Female	9579339892
Vaishnavi Dhote	Shri Shivaji Science college, Amravati	Female	9325835467
VedangiDeepakraoShirbhate	Shri Shivaji Science College Amravati	Female	9049207062
Shravani	Shri.shivaji science college, amravati	Female	9325049363
Sidratulmunteha	Shri Shivaji science College	Female	9175593135

Shweta Ravindra Rane	Shree shivaji science college amravati	Female	7517781242
Shivani Vijay Chaudhari	Shri Shivaji science clgamravti	Female	9022016560
Kalyani Khond	Shri Shivaji Science college, Amravati	Female	7058983264
Janhavi Patel	Shri Shivaji Science College, Amravati	Female	9359194539
Samiksha Ghungrud	Shri shivaji science college	Female	7028435301
KU.PALLAVI JAYSHRIRAM MALVE.	SHRI SHIVAJI SCIENCE COLLEGE, AMRAVATI	Female	7058900751
VaibhaviSanjay Kalmegh	Shri Shivaji Science College amravati	Female	8421660775
Vaishnavi Pradip Deshmukh	Shri Shivaji science College	Female	8956094932
Komal Adhau	Shri Shivaji science College Amt	Female	7666726750
Akansha U. Kale	Institute of bioinformatics and biotechnology	Female	9834197346
NayanDilipSonkar	Shri Shivaji Science College, Amravati	Male	7620363527
Rani ghate	Rani ghate	Female	9767709199
SnehalGhanshamJalit	Shree Shivaji science college,Amravati.	Female	9067234425
Ayushman Gehlot	IIIT Nagpur	Male	8103919920
Rushali Dhanraj Wankhade	Shri Shivaji Science college amravati	Female	9373364613
Vaishnavi PundlikraoTarhekar	Shri shivaji science college, Amravati	Female	8669805692
Harshadarahate	Shri shivaji science college	Female	9545968603
Ankita chatursinghbarwal	Shri Shivaji science collage amravati	Female	7038665091
Sakshi ganeshraomehare	Shri shivaji science college amravati	Female	7709746217
TEJASWINI PRAKASHRAO PATIL	Shri Shivaji science College Amaravati	Female	9529246887
Mayuri rajendraraowaghmare	Shivaji college amravati	Female	8530435467
Rutuja	Shivaji science colg	Female	9356637847

Curriculum and Time table

Weekly Plan

Week 1 : R Language

History Of R Language, WhyR

Installation, Environment and R Prompt

R as Calulator, Arithmetic Operators , BODMAS rule in Evaluation of expression

Data Types in R

Assignment Operator , adding comments

Variable naming conventions

Evaluation of Arithmetic Expressions

Vectors in R and its arithmetic,Data Frames

Matrix Command , Accessing and Matrix operations ,Functions in R

Methods of Data Inputs ,Importing Data from Excel , Useful Built in Functions

Week 2 : Diagrammatic Representation of Data using R

Importance of Diagrammatic representation of Data

Drawing of Bar Diagrams

Drawing of Subdivided and Multiple Bar Diagrams

Drawing of Pie Charts

Histograms

Frequency Polygons

Stem and Leaf Plot

Q-Q plots

Week 3 :Data Summarization Measures using R

What is Central Tendency

Types of Central Tendency Measures

Arithmetic Mean and Its Properties and computation

Median and Mode computation

Partition Values

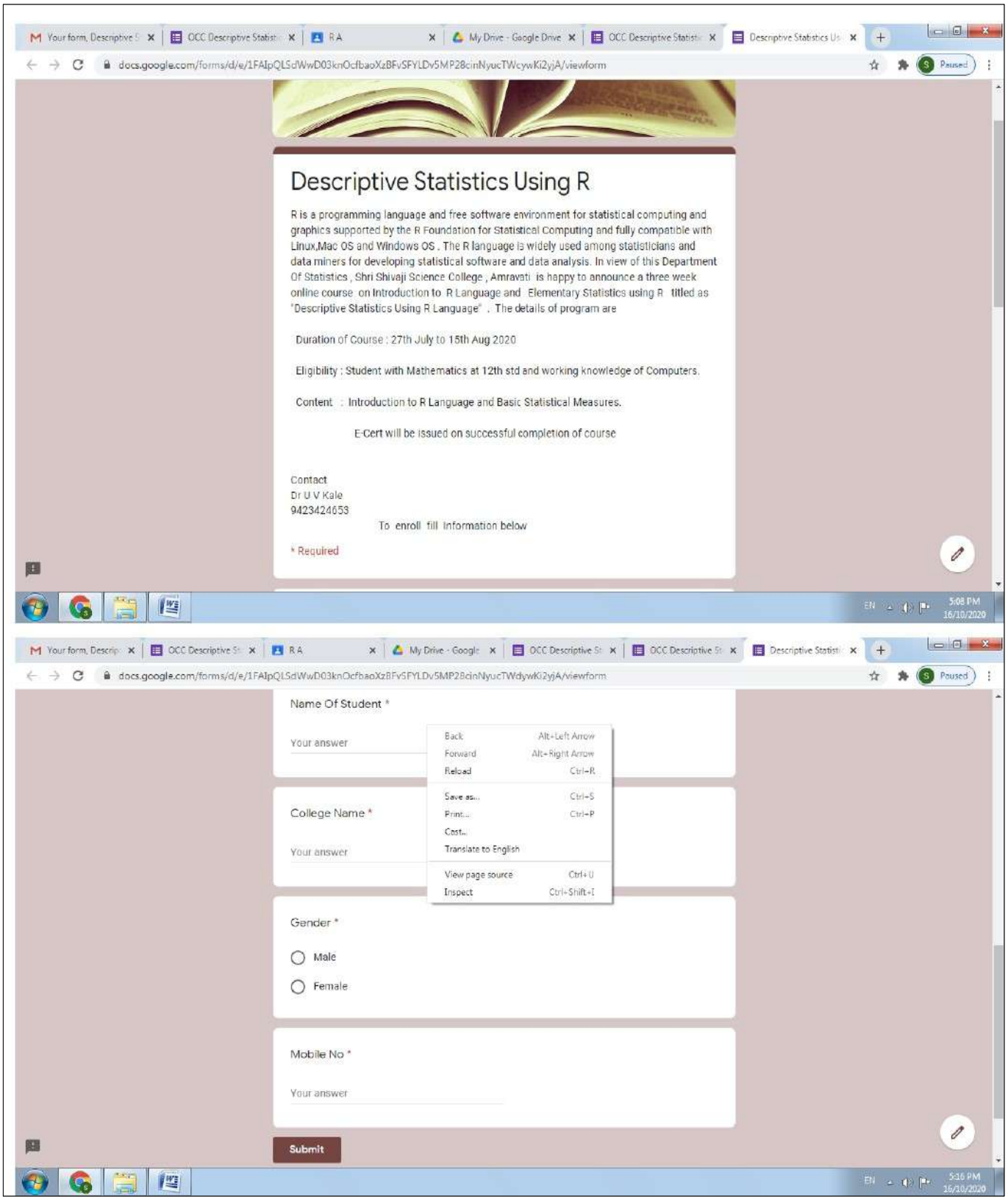
Measures of Dispersion

Range Quartile Deviation Mean Deviation

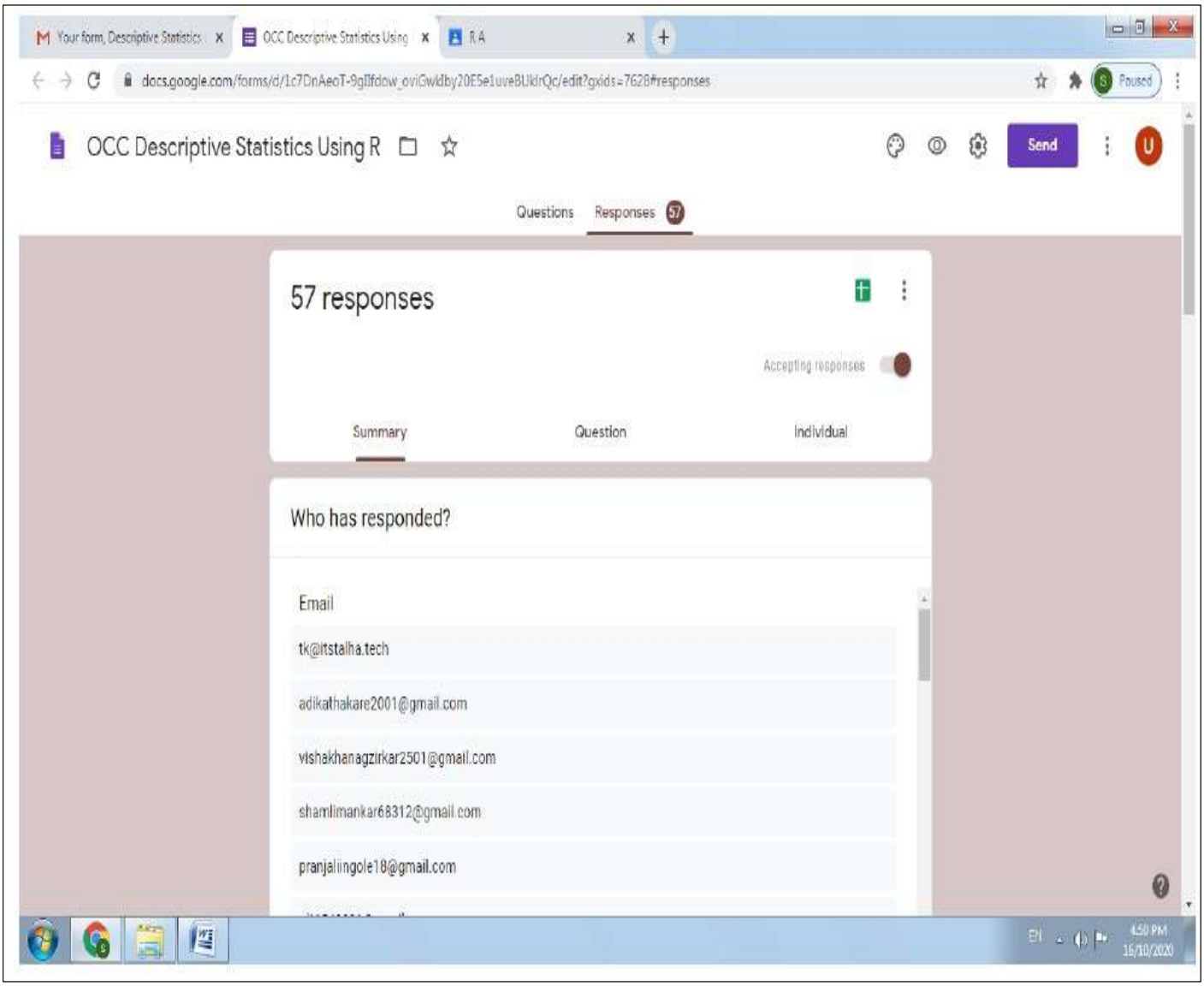
Standard deviation

Skewness and Kurtosis, Correlation& Regression computation using R

Registration Form


Descriptive Statistics Using R
R is a programming language and free software environment for statistical computing and graphics supported by the R Foundation for Statistical Computing and fully compatible with Linux,Mac OS and Windows OS . The R language is widely used among statisticians and data miners for developing statistical software and data analysis. In view of this Department Of Statistics , Shri Shivaji Science College , Amravati is happy to announce a three week online course on Introduction to R Language and Elementary Statistics using R titled as "Descriptive Statistics Using R Language" . The details of program are
Duration of Course : 27th July to 15th Aug 2020
Eligibility : Student with Mathematics at 12th std and working knowledge of Computers.
Content : Introduction to R Language and Basic Statistical Measures.
E-Cert will be issued on successful completion of course
Contact
Dr U V Kale
9423424653
To enroll fill Information below
* Required
Name Of Student *
Your answer
College Name *
Your answer
Gender *
Male
Female
Mobile No *
Your answer
Submit

Assessment

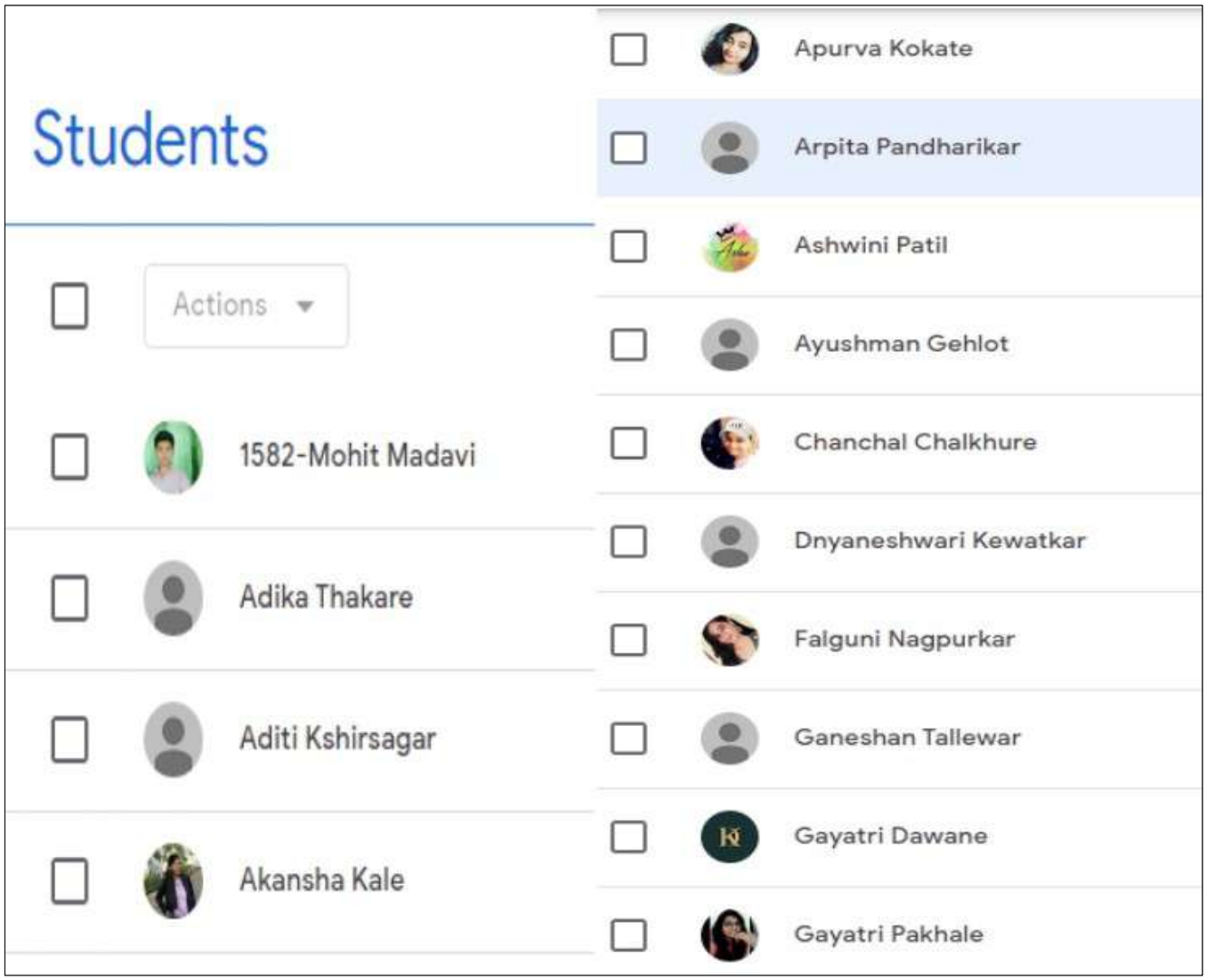

Your form, Descriptive Statistics
OCC Descriptive Statistics Using
R A
docs.google.com/forms/d/1c7DnAecT-9gIIfdow_oviGwldby20E5e1uve8UkIrQc/edit?gxids=7628#responses
Paused
OCC Descriptive Statistics Using R
Send
Questions
Responses 57
57 responses
Accepting responses
Summary
Question
Individual
Who has responded?
Email
tk@itstalha.tech
adikathakare2001@gmail.com
vishakhanagzirkar2501@gmail.com
shamlimankar68312@gmail.com
pranjaliingole18@gmail.com
4:50 PM
16/10/2020

Assessment

R
A

Stream | Classwork | People | Grades

Sort by first name	Aug 24 Visualization	Aug 14 Matrix and Loop... out of 10	Aug 7 Assignment No 2 out of 10	Aug 1 First quiz on... out of 10
Class average	N/A			
1582-Mohit Madavi	Missing	Missing	Missing	Missing
Adika Thakare	Turned in	__/10 Done late	__/10 Done late	__/10
Aditi Kshirsagar	Turned in	Missing	__/10	__/10
Akansha Kale	Missing	Missing	Missing	Missing
Amey Bakhade	Missing	Missing	Missing	Missing
Aniket More	Missing	Missing	Missing	__/10
Apurva Kokate	Turned in	Missing	__/10	__/10


Students
Actions
1582-Mohit Madavi
Adika Thakare
Aditi Kshirsagar
Akansha Kale
Apurva Kokate
Arpita Pandharikar
Ashwini Patil
Ayushman Gehlot
Chanchal Chalkhure
Dnyaneshwari Kewatkar
Falguni Nagpurkar
Ganeshan Tallewar
Gayatri Dawane
Gayatri Pakhale

Summary Report and Outcome

Summary Report & Course Outcome

In the digital era every activity related to digital gadgets is leaving digital footprints behind generating humongous set of data .This data can be leveraged to generate a data driven decision systems necessary for smooth working of complex and data hungry systems of the digital world . Data is like oxygen in digital era and thus necessary to learn , understand and efficiently handle the data . To leverage this humongous data one should know basics of Statistics and a Computer programming language to handle that data efficiently. In view of this we propose to start a entry level online course titled as " Descriptive Statistics using R language "

R is a programming language and free software environment for statistical computing and graphics supported by the R Foundation for Statistical Computing and fully compatible with Linux,Mac OS and Windows OS . The R language is widely used among statisticians and data miners for developing statistical software and data analysis. R language was developed by Ross Ihaka and Robert Gentleman at Aukland University in around 1992.

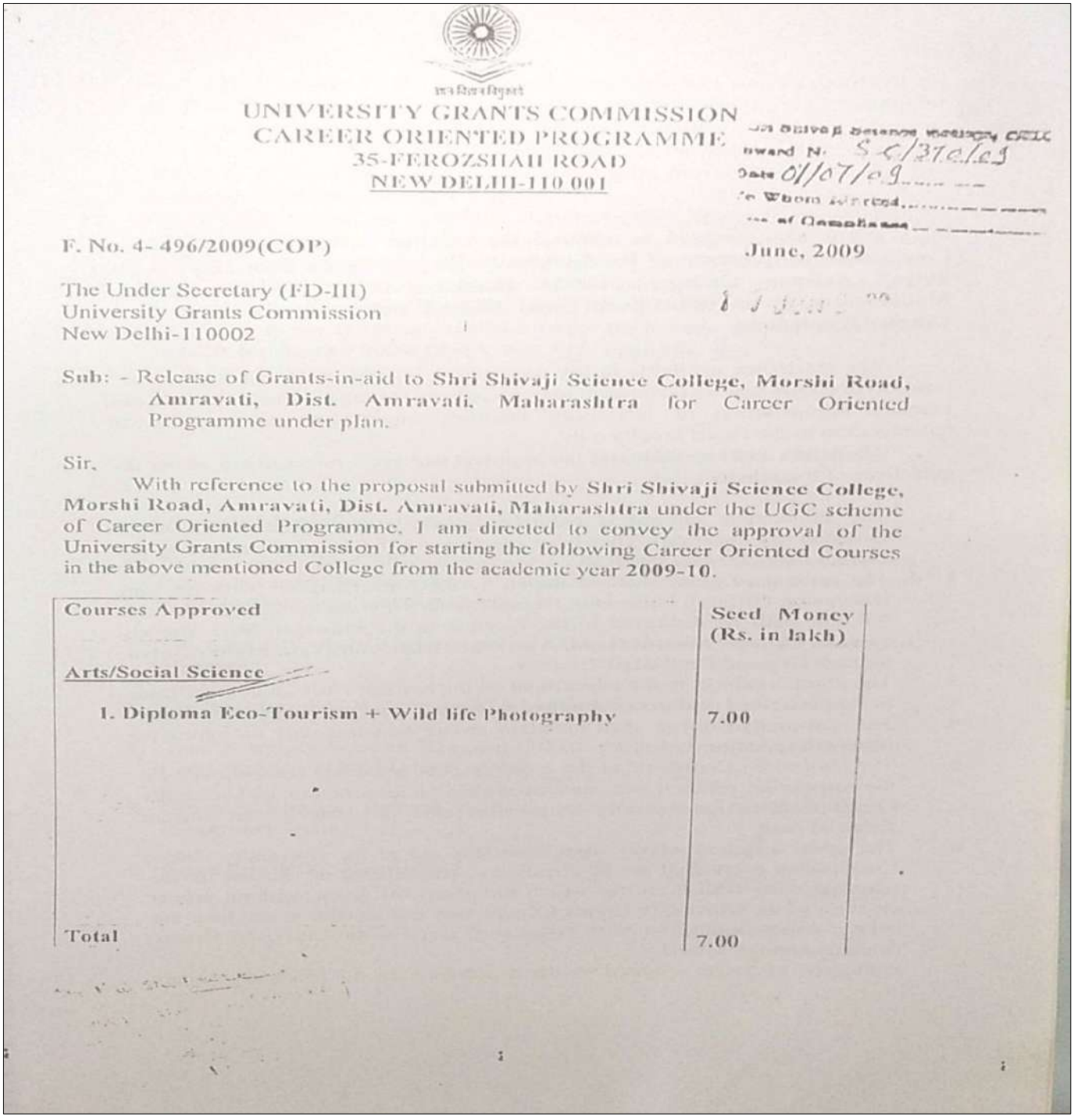
To cover the contents we decided to have 3 week online course from 27th July to 15th August 2020 . 53+ students actively participated , four assignments were given to test the students . Eligibility for the course was any student with Statistics/Mathematics background was allowed.

Outcome of the Course :

The course was planned with the aim of understanding statistical terminology used in data summarization , R language basics and data visualization using R language . To achieve this outcome assignment were planned accordingly . During first week students were well versed with basic statistical terminology and basics of R language. In the second week students completed assignment on data summarization and visualization in R. During the third week participants completed assignment and hands on four important data aspects namely central tendency, variation , skewness and kurtosis.

Dept. of Zoology (COP-Ecotourism and wildlife Photography Certificate Course)

Name and Duration of the Program



UNIVERSITY GRANTS COMMISSION
CAREER ORIENTED PROGRAMME
35-FEROZSHAH ROAD
NEW DELHI-110 001

F. No. 4- 496/2009(COP)

June, 2009

The Under Secretary (FD-III)
University Grants Commission
New Delhi-110002

Sub: - Release of Grants-in-aid to Shri Shivaji Science College, Morshi Road, Amravati, Dist. Amravati, Maharashtra for Career Oriented Programme under plan.

Sir,

With reference to the proposal submitted by Shri Shivaji Science College, Morshi Road, Amravati, Dist. Amravati, Maharashtra under the UGC scheme of Career Oriented Programme, I am directed to convey the approval of the University Grants Commission for starting the following Career Oriented Courses in the above mentioned College from the academic year 2009-10.

Courses Approved	Seed Money (Rs. in lakh)
Arts/Social Science	
1. Diploma Eco-Tourism + Wild life Photography	7.00
Total	7.00

SANT GADGE BABA
AMRAVATI UNIVERSITY
AMRAVATI - 444602
(M.S.)

2662206, 2662207, 2662208, 2662249, 2662358 FAX NO. 0721-2660949, 2662135 GRAM : AMUNI
Website : www.sgbau.ac.in

No.SGBAU/I-D/6771-B/735/09
Date : 13/7/09

To,
The Secretary,
Departmetn of Higher Education,
Government of Maharashtra,
Mantralaya Annexe,
Mumbai-32.

3c/1442/09
16/7/09

Sub : Sanction of Courses under the UGC scheme of "Career Oriented Programme under plan" to the colleges affiliated to the University.

Sir,

Proposals of the colleges for "Introduction of Career Oriented Courses at first-degree level" were recommended by the University to the UGC under the UGC scheme. The UGC has granted permission to the following colleges for Career Oriented Courses at first-degree level and granted financial assistance for this purpose, copy of which is enclosed herewith for your reference.

Sr. No.	College Name	Courses Approved	Seed Money (Rs.in lakh)
1	Mahatma Fule Arts, Commerce & S.Choudhari Science Mahavidyalaya, Warud, Dist. Amravati	**Arts/Social Science :-** 1. Communication Skill **Commerce :-** 1. Banking	7.00 7.00
2.	Kala Mahavidyalaya, Achalpur Camp(Paratwada), Distt. Amravati	**Arts/Social Science :-** 1. Communication skill in Englsih 2. Health club and Management	7.00 7.00
3.	Shree Vyankatesh Arts & Commerce College, Deulgaon Raja, Dist. Buldana	**Arts/Social Science :-** 1. Communicative Englihs	7.00
4.	Shri Shivaji Science College, Amravati	**Arts/Social Science :-** 1. Diploma Eco-Tourism + Wild life Photography	7.00
5.	Indira Mahavidyalaya, Kalamb, Dist. Yavatmal	**Arts/Social Science :-** 1. Communication Skill	7.00
6.	Gopikabai Sitaram Gawande Arts and Commerce College, Umarkhed, Dist. Yavatmal	**Arts/Social Science :-** 1. Functional English **Commerce :-** 1. E-Commerce	7.00 7.00

P.T.O.

7.	Abasaheb Parvekar Mahavidyalaya, Yavatmal	**Science :-** 1. Library and Office Automation **Commerce :-** 1. E-Commerce	10.00 7.00
8.	Bar. R.Deshmukh Arts & Smt. I.Kapadiya Commerce and N. K.Deshmukh Science College, Badnera- Amravati	**Commerce :-** 1. Computer Application 2. Web-Designing and Office Automation	7.00 7.00

The above courses sanctioned by the UGC are permanently on non-grant basis and there is no financial burden on the Government. It is requested to kindly grant permission for introduction of the courses to the said colleges at the earliest, so that the courses could be introduced from this academic session.

Thanking you.

Yours faithfully,

Encl : As above

(Prof. J.S. Deshpande)
Registrar

Copy forwarded for information to :
1) Dy. Registrar (College Section), Sant Gadge Baba Amravati University
2) Asstt. Registrar (Academic Section), Sant Gadge Baba Amravati University
3) The Principal, Shri Shivaji Science College, Amravati.

Principal
Shri Shivaji Science College.
Amravati.

(NACC Accredited with A Grade)
Shri Shivaji Science College,
Shivaji Nagar, Morshi Road, Amravati 444603
- Founder : Dr. Panjabrao Alias Bhausaheb Deshmukh
- President : Adv. Arun Shelke
- Principal : Dr. V. G. Thakare
- E-mail : ati_shivaji@sancharnet.in Tel. No.(Office) : (0721)2660855

Ref. No. SC/3315/09

Date:- 29/ 07/2009

To,
The Registrar
Sant Gadge Baba Amravati University,
Amravati

Subject : Request to frame the syllabi for Career Oriented Courses in **Astronomy and Astrophysics** and **Eco-Tourism and Wild Life Photography.**

Reference : 1. U.G.C. Letter F. No. 4-205/2009 (COP), Dated 01 January 2009 for **Astronomy and Astrophysics Course.**
2. U.G.C. Letter F. No. 4-496/2009 (COP), Dated 17 June 2009 for **Eco-Tourism + Wild Life Photography Course.**

Sir,

The University Grants Commission has approved the following two courses under the scheme of Career Oriented Programme to our college and directed to start the courses from this academic session 2009-2010.

Courses approved: Faculty of Science

1) **Astronomy and Astrophysics Course,**
2) **Eco-Tourism + Wild Life Photography Course.**

As the syllabi for above two subjects are yet to be framed by the University, you are kindly requested to frame the same for above courses.

Thanking you in anticipation.

Yours

Principal
Shri Shivaji Science College,
Amravati.

Date : 29/ 07/ 2009
Place : Amravati.

Sant Gadge Baba Amravati University, Amravati

No.SGBAU/6-D/A-419/2009
Dated : 5th November, 2009.

To,
(1) Dr.G.N.Vankhede (Chairman)
(2) Dr.I.A.Raja - Member
(3) Dr.S.R.Akarte - Member
(4) Prof.G.A.Wagh – Member
(5) Dr.Shrikant Deshpande - Member

Subject : Meeting notice of the Sub-Committee appointed by B.O.S. in Zoology

Respected Sir,

It is to inform you that the meeting of sub-committee appointed by B.O.S. in Zoology shall be held on Thursday, the 12th November, 2009 at 1.00 p.m. in Room No.206, Main Administrative Building, University Campus, Sant Gadge Baba Amravati University, Amravati for preparation of syllabi, Scheme of examination and other details for Certificate / Diploma / Advanced Diploma course in Eco-tourism and Wild Life Photography under the U.G.C. scheme of Career Oriented Programme.

Chairman/members are requested to please make it convenient to attend the meeting on the schedule day, date and time as mentioned above.

With regards,

Yours faithfully

Deputy Registrar (Acad)
Sant Gadge Baba Amravati University,
Amravati

Copy to :-
(1) P.A. to Hon'ble V.C.
(2) P.A. to Registrar
(3) Finance and Accounts Officer

sd/
Deputy Registrar (Acad)

Eco-Tourism and Wild Life Photography Course



Career Oriented Course

"We build strong kids, strong families, strong communities & Strong nation"

Department of Zoology
Shri Shivaji Science College, Amravati.
E-mail -shivaji_science@dataone.in
www.shivajiscamt.org
Tel No.-(0721) 2665485, 2660855

Contact : Dr. G. A. Wagh (Course Co-ordinator)
Mobile No. : 9822204070

About Course :

This course is designed to give you the enough knowledge about ecotourism and photography and help in your to step towards tour guides, Nature guides and photography. Anyone can snap a photo but not everyone can take a good picture. Proper foundational and basic knowledge along with correct techniques have to be understood and grasp.

Come & join us for this basic course to enhance your knowledge in the wild life and art of photography. Apart from the classroom theory sessions, there will be practical shooting sessions, field visits in National parks and sanctuaries who knows ? you might became a famous Nature guide and photographer someday ?

Objectives of the course :

1. To create communication skills.
2. To understand the basic concept, scope and evolution of Eco-tourism and wildlife photography.
3. To develop an appreciation for responsible and sustainable tourism.
4. To underline the importance of ecology, culture, history and economic development.
5. To be able to acquire trekking programmes.
6. To promote Nature and wild life photography.
7. To increase awareness about conservation of Nature and wild life.
8. To create research attitude for wild life.
9. To arrange exhibition on wild life.
10. To establish the link with National and international institute.

Job prospects / Avenue :

1. The student will have enough knowledge about Eco-tourism and wildlife photography.
2. One can final placement in electronic media, TV channel, etc.
3. One can final placement in Magzine / journals as a wildlife photographer.
4. To be able to face the objective pattern examination of biological sciences.
5. Conservation education resource person.
6. It will enable them to undertake job in forest department, National sanctuaries, Zoo park, NGO's etc.
7. Students can start photography and provide self employment.
8. Tour and Nature guides.
9. Camping, trekking & adventure activity manager.
10. Guide and Naturalist at National parks and sanctuaries.

You will learn :

Certificate course (One session):

Unit I	Environment & Ecology.
Unit II	Ecosystem
Unit III	Ecotourism
Unit IV	Guide Training
Unit V	Photography

Diploma course (One session):

Unit I	Environmental education
Unit II	Ecotourism activities.
Unit III	Planning in Ecotourism
Unit IV	Environment impact of ecotourism
Unit V	Photography

Advance Diploma course (One session):

Unit I	Forest & management
Unit II	Remote sensing
Unit III	Wild life management
Unit IV	Legislation
Unit V	Wild life Photography

List of the Students Enrolled and Attendance

Shri Shivaji Science College Amravati

Department of Zoology

COP-Ecotourism and wildlife Photography

Certificate Course

List of certificate course students 2019-20

Sr.No	ID No.	Name	M/F	Category	Amount	
1		Mr.PrafulM.Rokade	M	OBC	1500	
2		Mr.AjinkyaP.Raut	M	OBC	1500	
3		Ku.ArtiS.Chandurkar	F	OBC	1500	
4		Ku.DurgeshwariV.Nichat	F	OBC	1500	
5		Ku.JanaviV.Chavan	F	ST	1500	
6		Mr.HrushikeshS.Kapase	M	OBC	1500	
7		Mr.AdeshD.Deshmukh	M	Open	1500	
8		Ku.ShivaniD.Monde	F	Open	1500	
9		Mr.PrathmeshA.Kogade	M	NT3	1500	
10		Mr.AnandV.Mohod	M	OBC	1500	
11		Ku.DivyaB.Ambadkar	F	OBC	1500	
12		Mr.YashvatB.Bhuyar	M	OBC	1500	
13		Ku.Ramshya I. Khan	F	Open	1500	
14		Mr.AjinkyaS.Sonune	M	OBC	1500	
15		Mr.ShashankJ.Nagrale	M	SC	1500	
16		Mr.SumitM.Ambulakar	M	Open	1500	
17		Ku.DarshanaM.Wagh	F	OBC	1500	
18		Ku.SakshiMR.Rokhande	F	SBC	1500	
19		Ku.PayalS.Borwar	F	NT2	1500	
20		Ku.SharvaratNishane	F	OBC	1500	
21		Mr.RajmelkarV.Nishane	M	OBC	1500	
22		Mr.PiyushD.Wasankar	M	OBC	1500	
23		Mr.Mohit Gawande	M	OBC	1500	
24		Mr.KunalS.Shirshat	M	OBC	1500	
25		Ku.TanayaG.Chavan	F	OBC	1500	
26		Mr.MangeshM.Kawade	M	ST	1500	
27		Mr.SohelF.Khan	M	Open	1500	
28		Ku.EfatZ.Khan	F	Open	1500	
29		Ku.AchalN.Choudhary	F	OBC	1500	

ATTENDANCE SHEET FOR THE MONTH OF Aug 2019

S.N.	Roll No.	Name of the Sutdent	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1		Mr. P M. Rokde	P	P	P	P											
2		Mr. A.P. Raut	P	·	·	P											
3		Kum. A.S. Chundurkar	P	·	P	P											
4		Kum. D.V. Nichat	P	P	P	P											
5		Kum. T.V. Chavan	P	P	P	P											
6		Mr. H.S. Kapse	·	·	P	P											
7		Mr. A.D. Deshmukh	P	P	·	·											
8		Mr. S.D. Monde	P	P	P	P											
9		Mr. P.A. Khaade	·	P	P	P											
10		Mr. A.V. Mohod.	P	·	P	P											
11		Kum. D.B. Ambadkar	P	P	P	·											
12		Mr. Y.B. Bhuyar	P	P	P	P											
13		Kum. R.I Khan.	·	·	P	·											
14		Mr. A.S. Sonune	P	P	·	·											
15		Mr. S.J. Nagrale	P	P	P	P											
16		Mr. S.M. Ambulkar	P	P	P	P											
17		Kum. D.M. Wagh	P	·	P	·											
18		Kum. S.R. Rokhonde	P	P	P	P											
19		Kum. P.S. Borwal	·	·	P	·											
20		Kum. Bharvori Nishma	P	P	P	P											
21		Mr. R.V. Kishane	P	P	P	P											
22		Mr. P.D. Wasankar	·	·	P	P											
23		Mr. Mohit Gawande	P	P	P	P											
24		Mr. K.S. Shirsat	·	·	P	P											
25		Kum. T. G. Chaudhari	P	P	P	·											
26		Mr. M. M. Kawade	P	P	·	P											
27		Mr. S.F. Khan	·	P	P	·											
28		Kum. E.Z. Khan	·	·	·	·											
29		Kum. A.N. Chaudhari	P	P	P	P											
30		Mr. A.R. Dammale	·	P	·	P											
31		Mr. T.J. Khirade	P	P	P	P											
32																	
33																	
34																	
35																	
36																	
37																	
38																	
39																	
40																	
a	Sign of Teacher (1)																
b	Sign of Teacher (2)																
c	Date		4	11	18	25											
d	Total No. of Student Present		22	20	24	22											

P Total No. of Present of the student during the month.
A Total No. of Absent of the student during the month.

Curriculum and Time table

Shri Shivaji Science College Amravati
Department of Zoology
COP-Eco-tourism & Wildlife Photography
Certificate Course

Time Table

Day (Sunday)	1	2	3	4	5
Module(T) 10am-11 am	Module I Natural Resources	Module I Community ecology	Module I Inter specific relationship	Module I	Module I
Practical (11-1.00 pm)	Pr1	Pr2	Pr3	Pr4	Pr5
Day (Sunday)	6	7	8	9	10
Module(T) 10am-11 am	Module II Ecosystem	Module II Food Chain	Module II Ecological Pyramids	Module II Energy Flow	Module II Ecological Indicators
Practical (11-1.00 pm)	Pr6	Pr7	Pr8	Pr9	Pr10
Day (Sunday)	11	12	13	14	15
Module(T) 10am-11 am	Module III Scope of Ecotourism	Module III Potentials of Ecotourism	Module III Tiger Reserve	Module III Sanctuaries & National Park	Module III Forts, Caves & Temples
Practical (11-1.00 pm)	Pr11	Pr12	Pr13	Pr14	Pr15
Day (Sunday)	16	17	18	19	20
Module(T) 10am-11 am	Module IV Communication Skills	Module IV Tourist Rules	Module IV Interpretation centre	Module IV Species Diversity	Module IV Animal Tracks & signs
Practical (11-1.00 pm)	Pr16	Pr17	Pr18	Pr19	Pr20
Day (Sunday)	21	22	23	24	25
Module(T) 10am-11 am	Module V History of Photography	Module V Evolution of Camera	Module V Types of Camera	Module V Parts of Camera	Module V Function of Cameras
Practical (11-1.00 pm)	Pr21	Pr22	Pr23	Pr24	Pr25
Day (Sunday)	26	27	28	29	30
Module(T) 10am-11 am	Module VI Types of lenses	Module VI Types of Filters	Module VI Aperture, Speed & ISO	Module VI Accessories of Camera	Module VI Photo editing
Practical (11-1.00 pm)	Pr26	Pr27	Pr28	Pr29	Pr30

Admission schedule: 1 to 31 July
Theory & Practical schedule: Aug, Sept, Oct, Nov, Jan, Feb, March & April

HOD **Course In-charge** **Principal**

Prospects No. .....

संत गाडगे बाबा अमरावती विद्यापीठ

SANT GADGEBABA AMRAVATI UNIVERSITY

PROSPECTUS

OF

ECO-TOURISM & WILD LIFE PHOTOGRAPHY

CERTIFICATE / DIPLOMA & ADVANCE DIPLOMA COURSE

EXAMINATIONS - 2009-2010

2009

GUIDELINES TO PREPARE THE SYLLABUS FOR CERTIFICATE COURSE IN ECO-TOURISM & WILD LIFE PHOTOGRAPHY UNDER THE CAREER ORIENTED PROGRAMME

UNIT I ENVIRONMENT & ECOLOGY.

1.1 Environment : Defination, Classification

1.2 Natural Resources : Defination, Classification, Types (Renewable & Non renewable)

1.3 Ecology : Defination, principles, scope of ecology, Ecological factors.

1.4 Community ecology : Defination, species diversity, ecological niche, ecotons.

1.5 Population ecology : Defination, Characteristics, Inter specific relationship, Naturalism, commensalisms, parasitism, predation, competition.

UNIT II ECOSYSTEM

2.1 Ecosystem, definition, components, structures.

2.2 Food Chains

2.3 Ecological pyramids

2.4 Energy flow models

2.5 Ecological indicators

UNIT III ECOTOURISM

3.1 Ecotourism : Defination & Scope of ecotourism.

3.2 Potential of ecotourism in Vidarbha region.

3.3 Tiger Reserve : Melghat, Pench, Tadoba.

3.4 Sanctuaries & National parks – Navegaon, Nagzira, Katepurna, Bor, Tipeshwar.

3.5 Forts, Caves & Temples : Narnala, Gawilgarh, Salbardi, Muktagiri, Markanda.

UNIT IV GUIDE TRAINING :

4.1 Communication skills

4.2 Tourist rules do's & don'ts

4.3 Knowledge about interesting facts & interpretation centre.

4.4 Knowledge about mammals, Birds, Insects & Trees, animal tracks signs,

4.5 Importance of Guide in Ecotourism.

UNIT V PHOTOGRAPHY

5.1 History and Evolution of Camera.

5.2 Parts of camera, types of camera.

5.3 Types of lenses.

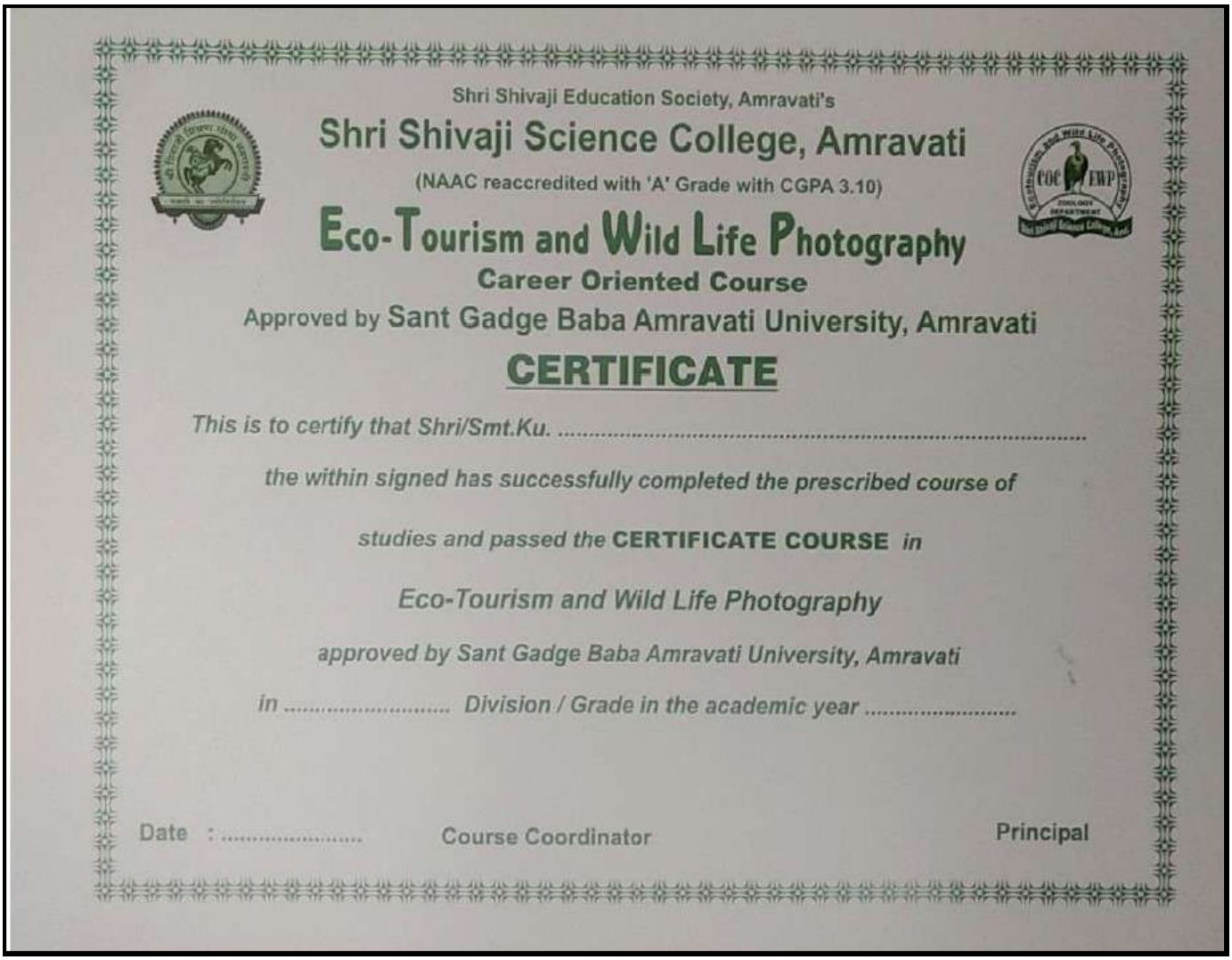
5.4 Use of filter, study of aperture and speed.

5.5 Use of computer in photography.

PRACTICALS

1. Local field visits.
2. Visit to nature reserve, forts, other sites of cultural heritage.
3. Development of a trek route and conducting a trekking activity.
4. Listing of local flora, fauna and describing them.
5. Photography

Assessment



Shri Shivaji Education Society, Amravati's

Shri Shivaji Science College, Amravati

(NAAC reaccredited with 'A' Grade with CGPA 3.10)

Eco-Tourism and Wild Life Photography

Career Oriented Course

Approved by Sant Gadge Baba Amravati University, Amravati

CERTIFICATE

This is to certify that Shri/Smt.Ku. .....

the within signed has successfully completed the prescribed course of studies and passed the CERTIFICATE COURSE in Eco-Tourism and Wild Life Photography approved by Sant Gadge Baba Amravati University, Amravati in ..... Division / Grade in the academic year .....

Date : ..... Course Coordinator Principal

Summary Report and Outcome

Summary Report & Course Outcome

The main objectives of this course were to increase awareness about eco-tourism, adventure, Wildlife conservation, Biodiversity documentation and also to develop photography skill and create scientific temperaments among students. In all 36 students were enrolled for this course. As per the course contents various technical sessions & field based activities were conducted for the students. Students were participated actively in Bird watching program, Clay Ganesh Idol awareness program, Photo exhibition and Photography competitions.

Under this Eco-tourism & Wildlife Photography course one day Nature walk & Photography program was organized at Chatri Lake of Pohara-Malkhed Reserve Forest on 30 December 2018. Twenty two students were actively participated in this Nature Walk. During Nature walk students were participated in Bird watching, Adventure activities, demonstration on field photography, GIS and Compass hands on training.

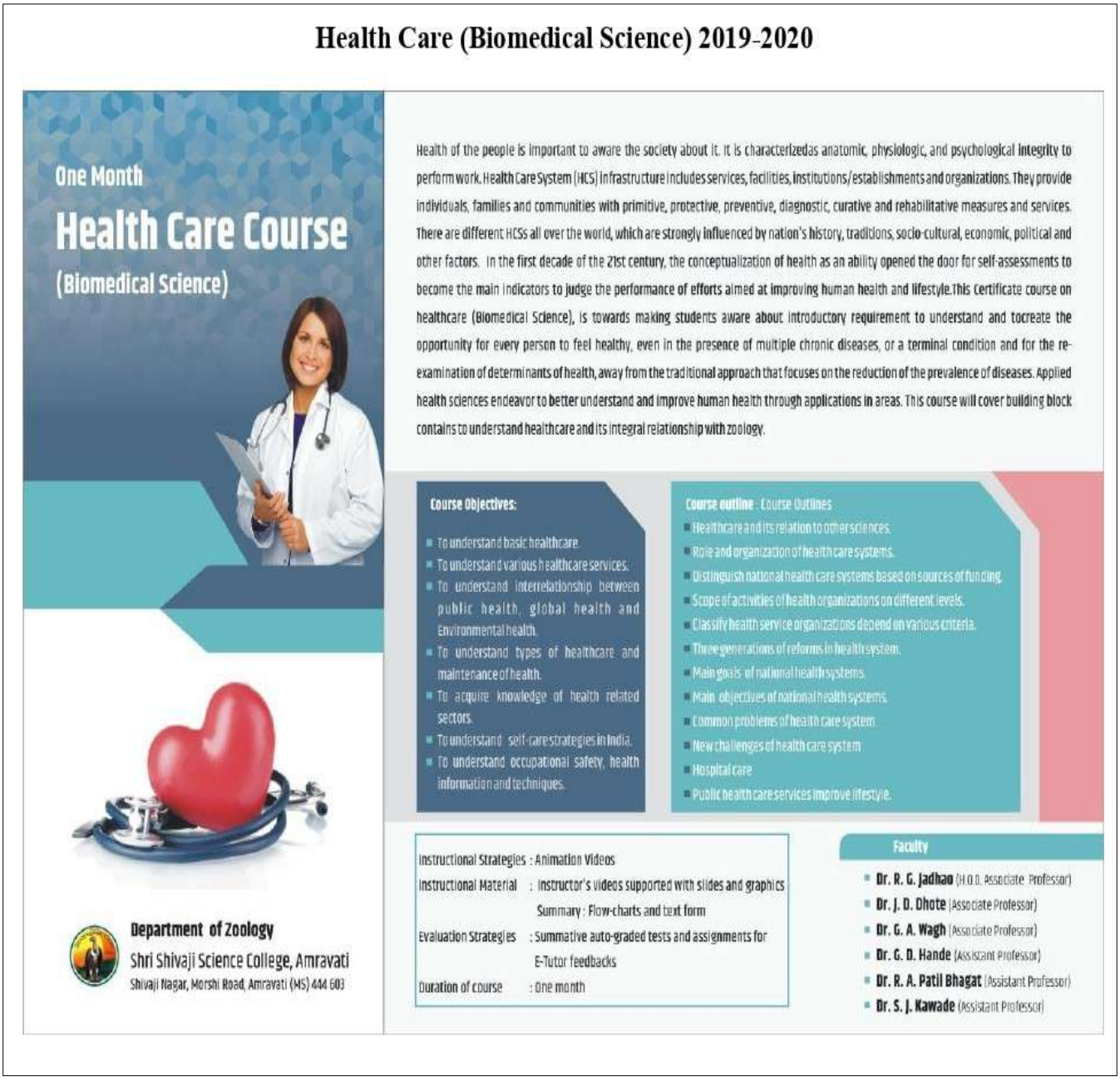
Experts who guided & demonstrate the students:
Dr.J.D.Dhote & Mr.Prathmesh Tiwari

Course Outcomes:

1) Increased knowledge about Wildlife and their Ecology.
2) Increased awareness about eco-tourism & wildlife conservation among COC students.
3) Acquired the Knowledge of adventure activities and rescue operation.
4) Adapted skill of wildlife photography
5) Developed skill for scientific documentation.

Dept. of Zoology (Health Care Biomedical Science)

Name and Duration of the Program



Health Care (Biomedical Science) 2019-2020

One Month

Health Care Course

(Biomedical Science)

Health of the people is important to aware the society about it. It is characterizedas anatomic, physiologic, and psychological integrity to perform work. Health Care System (HCS) infrastructure includes services, facilities, institutions/establishments and organizations. They provide individuals, families and communities with primitive, protective, preventive, diagnostic, curative and rehabilitative measures and services. There are different HCSs all over the world, which are strongly influenced by nation's history, traditions, socio-cultural, economic, political and other factors. In the first decade of the 21st century, the conceptualization of health as an ability opened the door for self-assessments to become the main indicators to judge the performance of efforts aimed at improving human health and lifestyle.This certificate course on healthcare (Biomedical Science), is towards making students aware about introductory requirement to understand and tocreate the opportunity for every person to feel healthy, even in the presence of multiple chronic diseases, or a terminal condition and for the re-examination of determinants of health, away from the traditional approach that focuses on the reduction of the prevalence of diseases. Applied health sciences endeavor to better understand and improve human health through applications in areas. This course will cover building block contains to understand healthcare and its integral relationship with zoology.

Course Objectives:

- To understand basic healthcare.
- To understand various healthcare services.
- To understand interrelationship between public health, global health and Environmental health.
- To understand types of healthcare and maintenance of health.
- To acquire knowledge of health related sectors.
- To understand self-care strategies in India.
- To understand occupational safety, health information and techniques.

Course outline : Course Outlines

- Healthcare and its relation to other sciences.
- Role and organization of health care systems.
- Distinguish national health care systems based on sources of funding.
- Scope of activities of health organizations on different levels.
- Classify health service organizations depend on various criteria.
- Three generations of reforms in health system.
- Main goals of national health systems.
- Main objectives of national health systems.
- Common problems of health care system.
- New challenges of health care system.
- Hospital care
- Public health care services improve lifestyle.

Instructional Strategies : Animation Videos
Instructional Material : Instructor's videos supported with slides and graphics
Summary : Flow-charts and text form
Evaluation Strategies : Summative auto-graded tests and assignments for E-Tutor feedbacks
Duration of course : One month

Faculty

- **Dr. R. G. Jadhao** (H.O.D. Associate Professor)
- **Dr. J. D. Dhote** (Associate Professor)
- **Dr. G. A. Wagh** (Associate Professor)
- **Dr. G. D. Hande** (Assistant Professor)
- **Dr. R. A. Patil Bhagat** (Assistant Professor)
- **Dr. S. J. Kawade** (Assistant Professor)

Department of Zoology
Shri Shivaji Science College, Amravati
Shivaji Nagar, Morshi Road, Amravati (MS) 444 603

List of the Students Enrolled and Attendance

Students List

120 students

PrachiAloney	ManjiriDeotale	Pooja Sharma
sumitambulkar	ManaliDeshmukh	KUNAL SHIRBHATE
PranjaliAswar	mokshadadevle	Informative Shreyash
NehaAwandkar	VaishnaviDhamande	AnuShrikhande
RitikaBaghel	AKSHADA DHARME	YaminiSawarkar
SakshiBarde	Disha	gayatrithorat
SakshiBarve	rutikadiware	PoonamTupkar
TanmayBawiskar	TejaswiniGaidhane	PruthwaUmale
ChanchalBelsare	gaurigajabe	RutujaUmale
krutikabelsare	VikeshGathe	dipikaundare
VaibhavBhaltilak	MohitGawande	JanhaviWarkad
AnishaBharati	POOJA GAWANDE	Anandiwath
SAKSHI BHOJANE	VAISHNAVI GAWANDE	apurvawath
TanviBhokse	AmbikaGulhane	priyankawath
SamruddhiBhonde	RenukaHarne	poojayawale
SnehaBhujade	KalyaniIngale	TejuYewale
pranalibhusari	Leena Ingle	TanviZade
NIKITA BHUTE	Rohan Ingle	nikita sonar
P C	Simran Ingle	SabahatFirdous Syed
Yash Chafe	MahimaItkikar	Rasika Tale
kashishchaudhari	payalJadhav	ShraddhaTambaskar
SamikshaChawale	PunamJadhav	PallaviTayde
AmishaDahake	AmrutaJawanjal	shreyatekade
PrasannaDalu	AmrutaJawanjal	RuchiTeware
komaldamdar	ManaswiKadu	Anushrithakare
Ashvin Kale	KhushiKurhekar	JanviThakare
Sakshi Kale	GargiLahase	VAISHNAVI SIRASKAR
shreyash kale	BhavikaLukka	GauriSolanke
divyakamble	Nikita Madavi	
VaishnaviKarale	shraddhamadghe	
MadhuraKatekar	Nikita Mahadik	
ChaitaliKathane	Om Makar	
KalyaniKhalokar	SAKSHI MALIK	
shreyakhalokar	apurvamankar	
Saba Khan	ArpitaMankar	
SakshiKhande	vaishnavimogarkar	
ShraddhaKhanzode	samikshanage	
KalyaniKhobragade	KajalNathe	
PranjaliKohale	PratikshaNavalkar	
SwarupaKukade	GAURI NAYSE	
MrunmayeeKumare	GauriNimbhorkar	
PratikshaPuranik	NamrataNimbhorkar	
AditiRahate	DipaliNimbokar	
MEGHA RATHOD	SujataPinjarkar	
NishthaRaut	Pooja Sharma	
PranjaliRaut	KUNAL SHIRBHATE	
Nikita Rokade	Informative Shreyash	
PratikshaSahu	AnuShrikhande	

Curriculum and Time table

Detailed time-wise course session plan:

Week	Day	Syllabus	E-content	Credits
Week 1	1	**Unit-I**Healthcare	Videos	15
	2	Biomedical Sciencerelation to other sciences		
	3	History		
	4	Healthcare services		
	5	Public, global, environmental health		
	6	Test	Videos	05
Week 2	8	**Unit-II**Determinants		15
	9	Potential issues		
	10	WHO		
	11	Social determinants of health		
	12	Risk factor		
	13	Test		05
Week 3	15	**Unit-III** Mental health	Videos	15
	16	Healthy diet and human nutrition		
	17	Exercise		
	18	Role of Science –Health science and health care		
	19	Role of public health		
	20	Test		05
Week 4	22	**Unit-IV** Health information	Videos	15
	23	Health techniques		
	24	Occupational Health		
	25	Occupational safety and health		
	26	Self-care strategies		
	27	Test		05
		Final Test		20

Assessment

Assessment :

All the Students have successfully completed the course.



Shri Shivaji Education Society, Amravati's

Shri Shivaji Science College

Shivaji Nagar, Nagpur Road, Amravati (MS)

NAAC Accredited by Grade "A" with CGPA of 3.13 (Third Cycle),
UGC Awarded Status of College with Potential for Excellence (Second Phase),
Identified by DST, Govt of India for FIST and Sant Gadge Baba Amravati University, Amravati as Lead College

Affiliated to Sant Gadge Baba Amravati University, Amravati (MS) INDIA

CERTIFICATE

This Certificate is awarded to

Dipika Sevakram Undare

Class: BSC 3 **College:** Shri Shivaji arts commerce and science college akot

For the successful completion of the Online Certificate Course on Health Care as prescribed and ported by the Department of Zoology during 20th July -20th August 2020.

Course Coordinator
Date: 17/08/2020

Head of the Department

IQAC Coordinator

Principal

Summary Report and Outcome

Summary Report and Course Outcome

Health of the people is important to aware the society about it and characterized as anatomic, physiologic, and psychological integrity to perform work. Health Care System (HCS) infrastructure includes services, facilities, institutions/establishments and organizations. Applied health sciences endeavor to better understand and improve human health through applications in areas. This course will cover building block contains to understand healthcare and its integral relationship with zoology. The Department of Zoology, Shri Shivaji Science College, Amravati organized this one month value based course for UG and PG students from 2010712020 to 2010812020 under the guidance of Dr V. G. Thakare, Principal, Shri Shivaji Science College Amravati, Dr H. S. Lunge, Coordinator, IQAC, Dr R.G.Jadhao , Head, Department of Zoology. Dr. Jayashree D. Dhote and Dr.Rupali A. Patil Bhagat, course coordinator. Experts who guided &demonstrate the students: Dr. Jayashree D. Dhote, ,Dr.Gajanan Wagh, Dr.Gaytri D. Hande, Dr.Rupali A. Patil Bhagat and Dr. Sujata Kawade provided online videos regarding some latest topics. Total 1 21 students of the Depaltment were actively partioipated in this course as well as they qualified this course and provided the certif-rcates. Understood occuffence and distribution of health services . Understood interrelationship of public health with global health and their interplay in environmental health. Learned applications of services governing social health in understanding occurrence of public health. Acquired knowledge of various health services, personal hygiene, health facilities and health institutions.

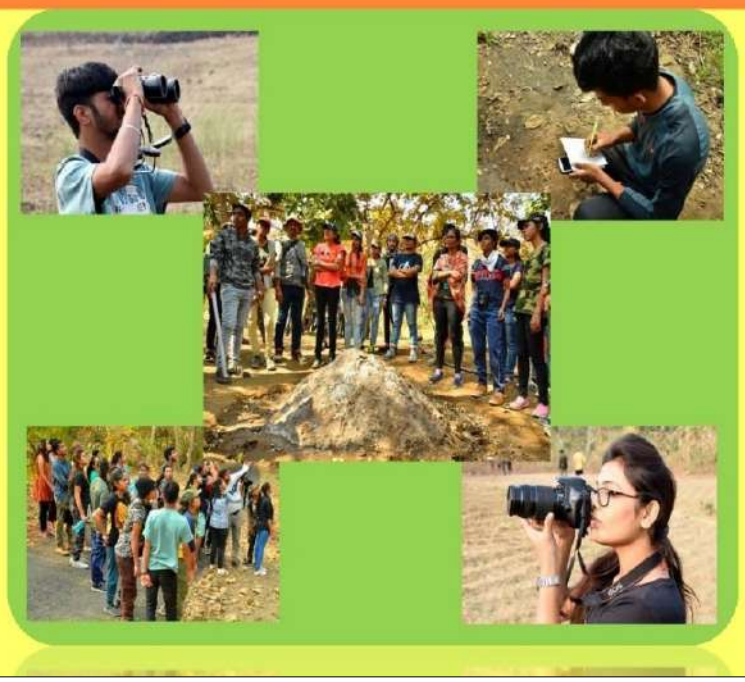
Dept. of Zoology (SKILLCOURSE Nature and Wildlife Specialists Program (NWSP) Online Certificate Program)

Name and Duration of the Program

SHRI SHIVAJI SCIENCE COLLEGE, AMRAVATI
DEPARTMENT OF ZOOLOGY
SKILL COURSE

Nature and Wildlife Specialists Program(NWSP)

Online Certificate Program



ABOUT COURSE:

- **Course Duration:** 4 Weeks/1 Month (30 Hours=3 Credits)
- 2 Batches in a year (June & December)
- Each Batch having 40 students limit.
- **Eligibility** : 10+2 Students from any stream
- **Admission Process** : Through Online Google form
- **Course fees** : Rs.-------
- **Target Group** : This program focuses intensely to elevate passionate nature enthusiasts into professional naturalists with scientific knowledge.



NEED OF THE COURSE:

- This course is essential for those want to pursue jobs as a field Biologist in National Parks, Tiger Reserves, NGOs etc. or to start working as a professional Naturalist/Wildlife Specialist as well as nature/wildlife tour leader.
- In states of central India namely Maharashtra and Madhya Pradesh having numbers of Tiger Reserves, National Parks and Sanctuaries, therefore, there is maximum scope for wildlife tourism. Now a day's wildlife



List of the Students Enrolled and Attendance

Department of Zoology

Nature and Wildlife Specialist Program (NWSP)

Attendance of Certificate Course

Sr.No.	Date & Time	Course	Name of the Student
1	8/29/2020 11:24:32	Certificate course	Rajmeher Vijayrao Nishane.
2	8/29/2020 11:25:30	Certificate course	Anand Mohod
3	8/29/2020 11:25:33	Certificate course	Ramsha Khan
4	8/29/2020 11:25:48	Certificate course	Adesh dattarao deshmukh
5	8/29/2020 11:26:01	Certificate course	Shravani Vijayrao Nishane
6	8/29/2020 11:27:21	Certificate course	Tanaya G. Chavhan
7	8/29/2020 11:27:56	Certificate Course	Prafiul Manohar Rokade
8	8/29/2020 11:28:47	Certificate Course	Ajinkya Sanjay Sonune
9	8/29/2020 11:29:15	Certificate course	SHASHANK JAGDISH NAGARALE
10	8/29/2020 11:29:44	Certificate course	Ku. Sakshi Ramesh Rakhonde
11	8/29/2020 11:30:19	Certificate course	Darshana Manohar Wath
12	8/29/2020 11:30:58	Certificate Course	Yashraj Bandupant Bhuyar
13	8/29/2020 11:31:19	Certificate course	Ajinkya Raut
14	8/29/2020 11:32:24	Certificate course	Sagar Thakre
15	8/29/2020 11:32:57	Certificate course	Payal Borwar
16	8/29/2020 11:33:53	Certificate Course	Rohini Gadekar
17	8/29/2020 11:33:53	Certificate course	MOHIT PRAMODRAO GAWANDE
18	8/29/2020 11:34:42	Certificate course	Prathamesh . Anil. Kogade
19	8/29/2020 11:35:32	Certificate course	Piyush Diliprao Wasankar
20	8/29/2020 11:37:56	Certificate course	Durgeshwari Vilas Nichat
21	8/29/2020 11:38:10	Certificate course	Tanvi Vijaysinh Chavhan
22	8/29/2020 11:38:12	Certificate course	Aarti S. Chandurkar
23	8/29/2020 11:40:39	Certificate course	Shivani Dinesh Monde
24	8/29/2020 11:43:17	Certificate course	Hrushikesh Suresh Kapse
25	8/29/2020 11:43:24	Certificate course	Sumit ambulkar
26	8/29/2020 11:43:26	Certificate course	Kunal Shirbhate
27	8/29/2020 11:43:28	Certificate course	Suyog Yawle
28	8/29/2020 11:44:10	Certificate Course	Yashraj Bandupant Bhuyar
29	8/29/2020 11:46:58	Certificate Course	Ruchi Teware
30	8/29/2020 11:48:06	Certificate course	ANCHAL NARENDRA CHAUDHARI

Curriculum and Time table

DETAILED COURSE PLAN:

Day	1	2	3	4	5
Module	Module I Natural Resources	Module I Community ecology	Module I Inter specific relationship	Module I Ecosystem	Module I Food Chain
Day	6	7	8	9	10
Module	Module II Algae, Bryophytes, Pteridophytes & Gymnosperm	Module II Mushrooms & Lichens	Module II Grasses and Wild Flowers	Module II Trees & Climbers	Module II Medicinal & economically important plants
Day	11	12	13	14	15
Module	Module III Insects,Butterflies, Dragonflies and Spiders	Module III Molluscan, Fishes and other aquatic animals	Module III Amphibians and Reptiles	Module III Birds	Module III Mammals
Day	16	17	18	19	20
Module	Module IV Forest Types	Module IV Types of protected areas	Module IV Wildlife Behavior	Module IV Animal Tracks and signs	Module IV Prey-Predator Relationships
Day	21	22	23	24	25
Module	Module V Sustainable tourism	Module V Indian Forest Acts	Module V Wildlife Protection Acts	Module V Biodiversity Conservation Acts	Module V Ethics and Wildlife conservation
Day	26	27	28	29	30
Module	Module VI Communication skills	Module VI Knowledge about interesting facts& interpretation centers	Module VI Basic of Wildlife Photography& editing	Module VI First Aid	Module VII Project Report presentation & Conclusion

MODULE I &II: (10 HOURS):

- **Ecology :**
- 1.1 Natural Resources
- 1.2. Community ecology
- 1.3. Inter specific relationship
- 1.4. Ecosystem,
- 1.5. Food Chain
- **Floral Diversity:**
- 2.1. Algae, Bryophytes, Pteridophytes and Gymnosperm
- 2.2. Mushrooms & Lichens
- 2.3. Grasses and Wild Flowers
- 2.4. Trees & Climbers
- 2.5. Medicinal & economically important plants

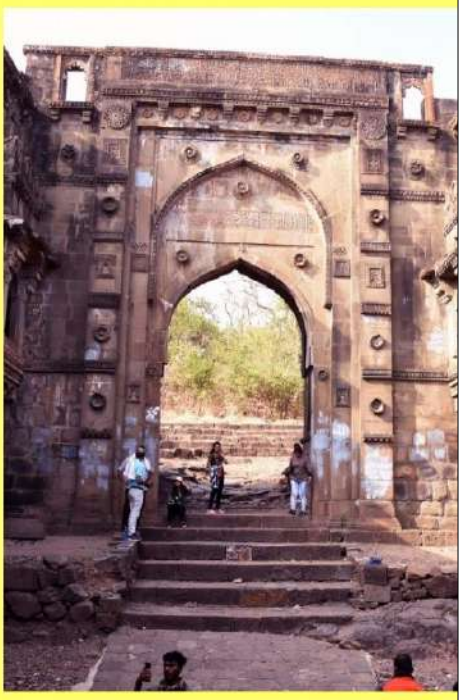


MODULE III &IV: (10 HOURS):

- **Faunal Diversity:**
- 3.1. Insects, Butterflies, Dragonflies and Spiders
- 3.2. Molluscan, Fishes and other aquatic animals
- 3.3. Amphibians and Reptiles
- 3.4. Birds
- 3.5. Mammals
- **Wildlife and Habitats:**
- 4.1. Forest Types, National Parks, Sanctuaries, Tiger Reserves etc.
- 4.2. Types of protected areas and the concept of zoning within the protected areas
- 4.3. Wildlife Behavior, Calls etc.
- 4.4. Animal Tracks and signs, Animal movement, concept of home range and territory
- 4.5. Prey-Predator relationships

MODULE V,VI &VII:

- **Tourist Ethics, Wildlife Protection Acts, Biodiversity Conservation Acts:**
- 5.1. Sustainable tourism & Tourist rules do's & don'ts
- 5.2. Indian Forest Acts
- 5.3. Wildlife protection Acts
- 5.4. Biodiversity Conservation Acts
- 5.5. Ethics and Wildlife conservation
- **Communication Skill & Photography:**
- 6.1. Communication skills
- 6.2. Knowledge about interesting facts, interpretation centers, Historical Monuments etc.
- 6.3. Camera, lenses and Accessories etc.
- 6.4. Wildlife & Landscape Photography & Photo editing.
- 6.5. Information about First Aid.
- **Practical:**
- Field Base Project & Project Report Presentation



Assessment

S.N.	Assessment Roll No.	Name	Result	Program completion certificate with Grade
1	301	Mr.Sagar Thakare	Pass	A
2	302	Mr.Ajinkya P.Raut	Pass	A
3	303	Ku.Arti S.Chandurkar	Pass	A
4	304	Ku.Durgeshwari V.Nichat	Pass	A
5	305	Ku.Janavi V.Chavan	Pass	A
6	306	Mr.Hrushikesh S.Kapase	Pass	B
7	307	Mr.Adesh D.Deshmukh	Pass	A
8	308	Ku.Shivani D.Monde	Pass	A
9	309	Mr.Prathmesh A.Kogade	Pass	A
10	310	Mr.Anand V.Mohod	Pass	A
11	311	Mr.Yashvat B.Bhuyar	Pass	B
12	312	Ku.Ramshya I. Khan	Pass	A
13	313	Mr.Ajinkya S.Sonune	Pass	A
14	314	Mr.Shashank J.Nagrale	Pass	A
15	315	Mr.Sumit M.Ambulakar	Pass	A
16	316	Ku.Darshana M.Wagh	Pass	B
17	317	Ku.Sakshi MR.Rokhande	Pass	A
18	318	Ku.Payal S.Borwar	Pass	A
19	319	Ku.Sharvarat Nishane	Pass	A
20	320	Mr.Rajmelkar V.Nishane	Pass	A
21	321	Mr.Piyush D.Wasankar	Pass	B
22	322	Mr.Mohit Gawande	Pass	A
23	323	Mr.Kunal S.Shirshat	Pass	B
24	324	Ku.Tanaya G.Chavan	Pass	A
25	325	Mr.Mangesh M.Kawade	Pass	A
26	326	Ku.Achal N.Choudhary	Pass	A
27	327	Mr.Praful M.Rokade	Pass	A
28	328	Ku. Rohini R.Gadekar	Pass	A
29	329	Ku.Ruchi S.Teware	Pass	A
30	330	Mr.Suyog D.Yawale	Pass	B

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Nature and Wildlife Specialist Program (NWSP)

Skill Certificate Course

CERTIFICATE

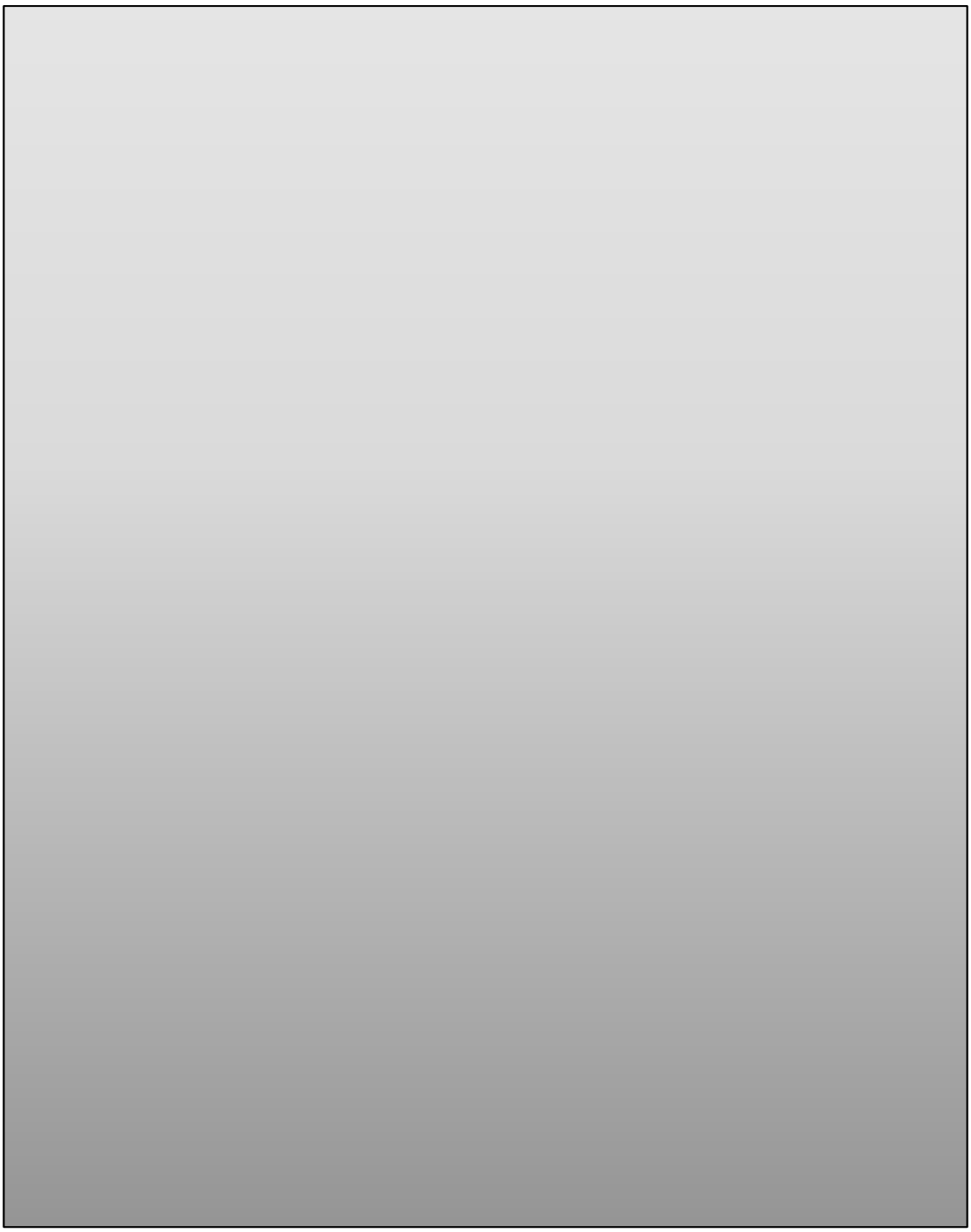
This is to Certify that Mr/Mrs ———————————— within signed has successfully completed the prescribed **skill certificate course in Nature and Wildlife Specialist Program (NWSP)** approved by the Principal of the college with ——— Grade in the session 2019 to 2020.

Head of Department Course Coordinator Principal

Dr. H. S. LUNGE
IQAC Coordinator
Shri Shivaji Science College
Amravati.

Principal
Shri Shivaji Science College
AMRAVATI.

Year 2020-2021



Dept. of Biotechnology (Online Certificate Course in Laboratory Techniques in Biotechnology)

Name and Duration of the Program

To,

The Principal,

Shri Shivaji Science College, Amravati

Through: IQAC Coordinator

Sub:- Permission to start Enrichment programme **"Certificate Course in Laboratory Techniques in Microbiology & Biotechnology"** from 30.08.2021 to 28.09.2021.

Respected Sir,

Department of Microbiology and Biotechnology wants to start Enrichment Programme "Certificate Course in Laboratory Techniques in Microbiology & Biotechnology" from 30.08.2021 to 28.09.2021.

Hence I request you to please grant the permission for the above mentioned course.

Thanking You,

Yours

Dr. C.S. Ukesh
Coordinator & HOD
Department of Microbiology &Biotechnology
Shri Shivaji Science College, Amravati

Certificate Course in Laboratory Techniques in Microbiology & Biotechnology

Dear Sir/Madam and Students,

Department of Microbiology & Biotechnology, Shri Shivaji Science College, Amravati is organising a One Month -- online -- Certificate course on " Laboratory Techniques in Microbiology & Biotechnology "

This course is exclusively and only for Students of Shri Shivaji Science College, Amravati

B.Sc. students

Please register using the following link

https://docs.google.com/forms/u/0/d/e/1FAIpQLSeJSXKHkze4rOwXi0JpUrflloiHcbFkFR4KhXPr5RxMcGSrXQ/formResponse

Registration Fees: FREE

The last date for Registration is 03-08-2020 till 06.00 PM

E-certificates will be issued to only those participants who submit (Quiz + Assignment + Final Exam Quiz).

Further Details will be provided on Telegram / Whatsapp group only.

Chakesh
M.K.A.S.
Department of Microbiology
Shivaji Science College
Amravati

Certificate Course in Laboratory Techniques in Microbiology & Biotechnology 2020-2021

Dear Sir/Madam and Students,

Department of Microbiology & Biotechnology, ShriShivaji Science College, Amravati is organizing a One Month- Online Certificate Course on **"Laboratory Techniques in Microbiology & Biotechnology" -2021**

This course is exclusively and only for B. Sc Students of Shri Shivaji Science College, Amravati

Please register using the following link-
https://forms.gle/nAdgijiHcQfSUgz56

Registration Fees: FREE

The last date for Registration is **27-08-2021** till 06:00 PM

One Month course from **30-08-21 to 28-09-21**

E-certificates will be issued to only those participants who submit (Quiz + Assignment + Final Exam)

Further Details will be provided on Google classroom and Whatsapp group only.





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List of the Students Enrolled and Attendance

SHRI SHIVAJI SCIENCE COLLEGE AMRAVATI

Dept of Microbiology and Biotechnology

Online Certificate Course on Laboratory Techniques in Microbiology and Biotechnology 2020-21

Sr.no	Name of student	Name of Institite	Bsc.Group	Year	e-mail address
1.	Kartik Raju Wankhade	Shri Shivaji Science College Amravati	Biotechnology	Part II	kartikwankhade18@gmail.com
2	Samruddhi vinod dhawale	Shri Shivaji Science College Amravati	Biotechnology	Part III	samruddhidhawale90@gmail.com
3	Sakshi Chourpagar	Shri. Shivaji Science College Amravati	Biotechnology	Part III	sakshichourpagar@gmail.com
4	Ambika Sanjay Nistane	Shri. Shivaji Science College Amravati	Biotechnology	Part I	ambikanistane2212@gmail.com
5	Sameera Fatima Mohd. Waseem Ahmed	Shri shivaji science college Amravati	Biotechnology	Part III	Sameerafatima440@gmail.com
6	Sakshi Jagdishrao Thakare	Shri shivaji science college Amravati	Biotechnology	Part III	sakshithakare518@gmail.com
7	Mangesh M. Kawade	Shri Shivaji Science College Amravati	Microbiology	Part II	kawdem96@ gmail.com
8	Tanzeela Raheen Ahemad	Shri Shivaji Science College Amravati	Microbiology	Part II	Tanzilaraheen@gmail.com
9	Rinku Balupant Gathe	Shri Shivaji Science College Amravati	Microbiology	Part II	rinkugathe72@gmail.com

10	Basuri Bhaskarrao Ingole	Shri. Shivaji Science College Amravati	Microbiology	Part II	basubi199@gmail.com
11	Nikita Sanjay Oimbe	Shri. Shivaji Science College Amravati	Microbiology	Part II	nikitaoimbe18@gmail.com
12	Rutuja Pushpendra Rahate	Shri shivaji science college Amravati	Biotechnology	Part II	rutujarahate83@gmail.com
13	Vishakha ramprasad rathod	Shri shivaji science college Amravati	Microbiology	Part III	Vishakharathod2399@gmail.com
14	Vedanti Sunil chawande	Shri Shivaji Science College Amravati	Forensic Science	Part II	vedantichawande@gmail.com
15	Pratiksha Nandkishor Rokade	Shri Shivaji Science College Amravati	Biotechnology	Part I	pratikshanrokade@gmail.com
16	Tanuja Mahendra Gajbhiye	Shri Shivaji Science College Amravati	Microbiology	Part I	tanujagajbhiye2002@gmail.com
17	Sujata Mahendra Pinjarkar	Shri. Shivaji Science College Amravati	Microbiology	Part II	sujatapinjarkar.2917@gmail.com
18	Saisha gajendra taral	Shri. Shivaji Science College Amravati	Biotechnology	Part II	saishataral0623@gmail.com
19	Shivai Shivaji Chaudhari	Shri shivaji science college Amravati	Biotechnology	Part II	Chaudharishivai2@gmail.com
20	Sakshi Warulkar	Shri shivaji science college	Biotechnology	Part I	sakshiwarulkar9@gmail.com

		Amravati			
21	Abdul Muzammil Abdul Farooque	Shri Shivaji Science College Amravati	Forensic Science	Part II	abmuzammil412002@gmail.com
22	Prajakta Vinod Bobade	Shri Shivaji Science College Amravati	Biotechnology	Part III	bobadeprajakta09@gmail.com
23	Manjiri Devendra Mahalle	Shri Shivaji Science College Amravati	Biotechnology	Part II	manjirimahalle4@gmail.com
24	Yash Vinod Godhane	Shri. Shivaji Science College Amravati	Microbiology	Part III	yashgodhane20@gmail.com
25	Pradnya Arun Gawande	Shri. Shivaji Science College Amravati	Biotechnology	Part III	pradhnyagawande111@gmail.com
26	Gayatri sunil pohokar	Shri shivaji science college Amravati	Microbiology	Part III	Gayatripohokar19@gmail.com
27	Prajakta Sanjay Raut	Shri shivaji science college Amravati	Biotechnology	Part I	prajaktaraut36@gmail.com
28	Adesh dattarao deshmukh	Shri Shivaji Science College Amravati	Enviornmneta l Science	Part II	adeshdeshmukh2001@gmail.com
29	Pratiksha shyamlal sahu.	Shri Shivaji Science College Amravati	Microbiology	Part III	Sahupratiksha26@gmail.com
30	Shubhangi shridhar bochare	Shri Shivaji Science College Amravati	Biotechnology	Part III	shubhubochare@gmail.com
31	SNEHA VASANT GHORAD	Shri. Shivaji Science	Biotechnology	Part II	snehaghorad200@gmail.com

		College Amravati			
32	Deepti Suresh Raut	Shri. Shivaji Science College Amravati	Biotechnology	Part III	deeptiraut540@gmail.com
33	ShaikhYaseen Shaikh Yusuf	Shri shivaji science college Amravati	Microbiology	Part III	skyaseen257@gmail.com
34	Vrushika tukaram jadhav	Shri shivaji science college Amravati	Biotechnology	Part II	jadhavvrushika@gmail.com
35	Sakshi Vitthalrao Gawali	Shri Shivaji Science College Amravati	Microbiology	Part I	sakshigawali915@gmail.com
36	Pallavi Munishwar Markam	Shri Shivaji Science College Amravati	Microbiology	Part III	Pallavimarkam98@gmail.com
37	Sanyukta Gajananrao Amte	Shri Shivaji Science College Amravati	Biotechnology	Part I	sanyuktaamte252002@gmail.com
38	Prathmesh S Mehare	Shri. Shivaji Science College Amravati	Biotechnology	Part I	prathmeshme9067@gmail.com
39	Gaurangi Madane	Shri. Shivaji Science College Amravati	Forensic Science	Part II	gaurangimadane18@gmail.com
40	Samiksha Deshmukh	Shri shivaji science college Amravati	Microbiology	Part III	samikshadeshmukh420@gmail.com
41	Vaishnavi Anant Pawar	Shri shivaji science college Amravati	Biotechnology	Part III	savarakarar@gmail.com1
42	Arpita Sunil Dongare	Shri Shivaji	Biotechnology	Part III	arpitadongare46@gmail.com

		Science College Amravati			
43	Kamalika S. Bagade	Shri Shivaji Science College Amravati	Microbiology	Part III	kamalikabagade333@gmail.com
44	Rutuja Rajendra Junghare	Shri Shivaji Science College Amravati	Forensic Science	Part II	rutujajunghare2001@gmail.com
45	Tejwal Manoharrao Rekhate	Shri. Shivaji Science College Amravati	Biotechnology	Part III	tejwalrekhate423@gmail.com
46	Harshal Vijay Tiralkar	Shri. Shivaji Science College Amravati	Biotechnology	Part II	harshaltiralkar123@gmail.com
47	Prachi Sunil Alone	Shri shivaji science college Amravati	Microbiology	Part III	prachialoney17@gmail.com
48	Aditya Gajanan Burkhande	Shri shivaji science college Amravati	Biotechnology	Part II	adityagburkhande8110@gmail.com
49	Ritika Baghel	Shri Shivaji Science College Amravati	Microbiology	Part II	iamritikabaghel2001@gmail.com
50	Vanshita Nikhar	Shri Shivaji Science College Amravati	Biotechnology	Part I	vanshitanikhar13@gmail.com
51	Rutuja Meheshre	Shri Shivaji Science College Amravati	Forensic Science	Part II	rutujameheshre26@gmail.com
52	Punam Ajay Pasari	Shri. Shivaji Science College Amravati	Biotechnology	Part I	punampasari11@gmail.com
53	Akanksha	Shri.	Biotechnolog	Part I	akankshakhadke999@gmail.com

	Narendrarao Khadke	Shivaji Science College Amravati	y		
54	Minal Raju Harne	Shri shivaji science college Amravati	Biotechnology	Part III	minalharne05@gmail.com
55	Keshvrao Pachghare	Shri shivaji science college Amravati	Biotechnology	Part I	pachgharenikita@gmail.com
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57	Sanika Vinayakrao Takale	Shri Shivaji Science College Amravati	Biotechnology	Part I	sanikatakale2002@gmail.com
58	Sharayu Rajendra Chohatkar	Shri Shivaji Science College Amravati	Biotechnology	Part I	isharayuchohatkar@gmail.com
59	Kasturi Vijay Sastakar	Shri. Shivaji Science College Amravati	Biotechnology	Part II	kasturisastakar@gmail.com
60	Sanyukta shrivastav	Shri. Shivaji Science College Amravati	Microbiology	Part II	sanyukta0722@gmail.com
61	Janhavi Gopal Thak	Shri shivaji science college Amravati	Microbiology	Part II	janhavigthak@gmail.com
62	Kartik Ganesh Bante	Shri shivaji science college Amravati	Biotechnology	Part II	kartikbante1332@gmail.com
63	Maurya anil Gawande	Shri Shivaji Science College Amravati	Biotechnology	Part II	gawandemaurya@gmail.com

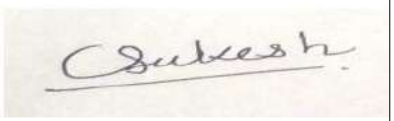
64	Omeshwari Narayan sarode	Shri Shivaji Science College Amravati	Biotechnology	Part II	omeshwarisarode12@gmail.com
65	Pradnya suraj gajbhiye	Shri Shivaji Science College Amravati	Biotechnology	Part II	Pradnyagajbhiye186@gmail.com 5
66	Aditi Vilas Wankhede	Shri. Shivaji Science College Amravati	Microbiology	Part II	aditiwankhade2020gmail. Com
67	Hrutuja Anantrao Bakale	Shri. Shivaji Science College Amravati	Biotechnology	Part II	hrutujabakale1@gmail.com
68	Kanchan Sanjayrao Mawande	Shri shivaji science college Amravati	Forensic Science	Part III	kanchanmawande25@gmail.com
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70	Rohit Pareshwar Kapuskar.	Shri Shivaji Science College Amravati	Microbiology	Part II	kapuskarrohit@gmail.com
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72	Harshada Rajesh Nandurkar	Shri Shivaji Science College Amravati	Biotechnology	Part II	nandurkarharshada70@gmail.com
73	Ayush Vijay Jaiswal	Shri. Shivaji Science College Amravati	Biotechnology	Part I	ayushvjaiswal55@gmail.com
74	Shreya Dnyandevrao Muley	Shri. Shivaji Science College	Biotechnology	Part I	shreyamuley3@gmail.com

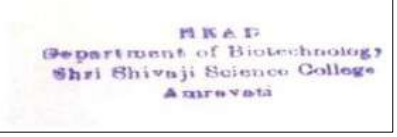
		Amravati			
75	Harshal sham Barshetwar	Shri shivaji science college Amravati	Biotechnology	Part I	harshalbarshetwar@gmail.com
76	Renuka Mohanrao Tikhile	Shri shivaji science college Amravati	Biotechnology	Part I	renukatikhile06@gmail.com
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91	Purvika Arunrao Charpe	Shri Shivaji Science College Amravati	Microbiology	Part I	purvikacharpe2206@gmail.com
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96	Nikita pundlikrao irkhede	Shri shivaji	Microbiology	Part III	itkhedenikita@gmail.com

		science college Amravati			
97	Prerana sunilrao Jagtap	Shri shivaji science college Amravati	Microbiology	Part I	preranajagtap2020@gmail.com
98	Gauri Jitendra Hadge	Shri Shivaji Science College Amravati	Microbiology	Part I	missgaurihadge@gmail.com
99	Tushar shyam pawar	Shri Shivaji Science College Amravati	Forensic Science	Part II	tushar02pawar@gmail.com
100	Ritesh Ramdev Belsare	Shri Shivaji Science College Amravati	Microbiology	Part I	riteshbelsare40@gmail.com
101	Raj Ganesh jadho	Shri. Shivaji Science College Amravati	Microbiology	Part I	rajjadhao9237@gmail.com
102	Khushi yashwantrao Hole	Shri. Shivaji Science College Amravati	Microbiology	Part II	holekhushi500@gmail.com
103	Anusha Sharique Shaikh	Shri shivaji science college Amravati	Microbiology	Part I	anushashaikh1122ya@gmail.com
104	Radhika satish Choudhary	Shri shivaji science college Amravati	Microbiology	Part I	chaudhriradhika134@gmail.com
105	Megha Mahesh Sharma	Shri Shivaji Science College Amravati	Microbiology	Part I	Meghasharma0768@gamil.com
106	Pranay Arunrao Ingle	Shri Shivaji Science College Amravati	Microbiology	Part I	pranayarunraoingle@gmail.com
107	Aishwarya	Shri	Microbiology	Part I	aishwaryabhelau25@gmail.com

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108	Abhishek Upadhye	Shri. Shivaji Science College Amravati	Biotechnology	Part II	upadhye464@gmail.com
109	Prachi Ravindra Munde	Shri. Shivaji Science College Amravati	Microbiology	Part I	prachimunde89@gmail.com
110	Priyaj Sarang yerlikar	Shri shivaji science college Amravati	Microbiology	Part I	priyajyerlikar@gmail.com
111	Srushti vijay Solanke	Shri shivaji science college Amravati	Microbiology	Part I	srushtisolanke158@gmail.com
112	Hemant Ramkrushna Lokhande	Shri Shivaji Science College Amravati	Microbiology	Part II	hemantlokhande52826@gmail.com
113	Prajwal Shridhar Bhujade	Shri Shivaji Science College Amravati	Microbiology	Part I	prajwalbhujade5108@gmail.com
114	Shivani vijay jore	Shri Shivaji Science College Amravati	Microbiology	Part I	shivanijore35gamil.com
115	Gayatri Jaysing More	Shri. Shivaji Science College Amravati	Forensic Science	Part II	moregayu901@gmail.com





Curriculum and Time table

Shri Shivaji Science College, Amravati
Department of Microbiology & Biotechnology

Certificate Course in Laboratory Techniques in Microbiology &Biotechnology 2021

Total Hours - 30 **Marks 100**

Syllabus

Module 1: Introduction to Microbiology and Biotechnology:-

- Introduction and History, Importance and scope, pure culture concept.

Module 2: Isolation and Identification of different types of microorganism:-

- Types of Media, Preparation and sterilization of media,Inoculation techniques, Types of microorganism.

Module 3: Antibiotics:-

- 3.1 Introduction to Antibiotics, History, Classification of antibiotics, Antimicrobial testing methods.

Module 4: Instrumentation and Molecular Biology:-

- Introduction and concepts, Instruments use in Microbiology and Biotechnology laboratory Molecular Biology.

Module 5: Spectroscopy:-

- Introduction, Principle of Spectroscopy, Typesof Spectroscopy, Applications of Spectroscopy.

Module 6: Plant Tissue Culture:-

- Introduction of Plant Tissue Culture, Techniques in Plant Tissue Culture, Applications of Plant Tissue Culture.



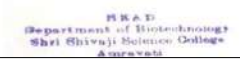
Enrichment Program 2020-21 - Detailed time –wise Course Session Plan:

Module No.	Week	Day	Module Title/ Code	Contents/ Topic and Hours Allotted	Name of Faculty	Video/Quiz/Assignment/ Feedback/ Discussion Forum	
1	Week 1	Day1 30.08.2021	Introduction to Microbiology and Biotechnology	Introduction	CSW	Video/ E-Content	
		Day2 31.08.2021		History	CSW	Video/ E-content	
		Day3 01.09.2021		Importance and scope	CSW	Video/ E-Content	
		Day4 02.09.2021		Pure culture concept - I	CSW	Video/ Quiz Assignment	
		Day5 03.09.2021		Pure culture concept	CSW	Assignment	
2		Day6 4.09.2021	Isolation and Identification of different types of microorganism	Introduction of Media	RRJ	Video/ E-Content	
		Day7 5.09.2021		Types of Media	RRJ	Video/ Quiz	
	Week 2	Day8 6.09.2021		Preparation and sterilization of media	RRJ	Video/ E-Content	
		Day9 7.09.2021		Inoculation techniques	RRJ	Video/ Quiz	
		Day10 8.09.2021		Types of microorganism	RRJ	Assignment	
3		Day11 9.09.2021	Antibiotics	Introduction to Antibiotics	SSM	Video/ E-Content	
		Day12 10.09.2021		History	SSM	Video/ Quiz	
		Day13 11.09.2021		Classification of antibiotics	SSM	Video/ E-Content	
		Day14 12.09.2021		Antimicrobial testing methods- I	SSM	Video/ Quiz	
	Week 3	Day15 13.09.2021		Antimicrobial testing methods- II	SSM	Assignment	
		Day16 14.09.2021	Instrumentation and Molecular Biology	Introduction and concepts	AAG	Video/ E-Content	
4						Video/ Quiz	
		Day17 15.09.2021		Instruments use in Microbiology and Biotechnology laboratory - I	AAG	Video/ E-Content	
		Day18 16.09.2021		Instruments use in Microbiology and Biotechnology laboratory- II	AAG	Video/ Quiz	
		Day19 17.09.2020		Molecular Biology Introduction	AAG	Video/ E-Content	
		Day20 18.09.2021		Molecular Biology Techniques	AAG	Assignment	
5		Day21 19.09.2021	Spectroscopy	Introduction and Principle	NHT	Video/ E-Content	
	Week 4	Day22 20.09.2021		Types of Spectroscopy	NHT	Video/ Quiz	
		Day23 21.09.2021		Applications of Spectroscopy	NHT	Assignment	
6		Day24 22.09.2021	Plant Tissue Culture	Introduction of Plant Tissue Culture	SBD	Video/ E-Content	
		Day25 23.09.2021		Techniques in Plant Tissue Culture- I	SBD	Video/ E-Content	
		Day26 24.09.2021		Techniques in Plant Tissue Culture-II	SBD	Video/ Quiz	
		Day27 25.09.2021		Applications of Plant Tissue Culture	SBD	Assignment	
7		Day28 26.09.2021	Revision	Submission of pending Quiz / Assignment			
	Week 5	Day29		Revision of all units			
		27.09.2021					
8		Day30 28.09.2021	Final Theory Exam	Final Theory Exam (9.00 am. to 6.00 pm.)	SSM		

Duration of the Course:

The duration of the course is 1 months and day wise lectures will be uploaded on college website.





Assessment

Shri Shivaji Science College Amravati

Certificate Course in Laboratory Techniques in Microbiology and Biotechnology

Final Quiz Examination -2020-21

Sr.no	Name of Participant	Class	Bsc.Group	Name of Institute	Total Score
1.	Bhakti Shriniwas Patil	Bsc-I	Microbiology	Shri Shivaji Science College Amravati	42.00 / 50
2	Sakshi Warulkar	Bsc-II	Biotechnology	Shri Shivaji Science College, Amravati	47.00 / 50
3	Renuka Mohanrao Tikhile	Bsc-II	Biotechnology	Shri Shivaji Science College Amravati	36.00 / 50
4	Yash Vinod Godhane	Bsc-III	Microbiology	Shri Shivaji Science College, Amravati	34.00 / 50
5	Deepti Suresh Raut	Bsc-III	Biotechnology	Shri Shivaji Science College Amravati	43.00 / 50
6	Abhishek Rajendra Upadhye	Bsc-III	Biotechnology	Shri Shivaji Science College, Amravati	30.00 / 50
7	Hrutuja Anantrao Bakale	Bsc-II	Biotechnology	Shri Shivaji Science College Amravati	37.00 / 50
8	Sakshi Chourpagar	Bsc-III	Biotechnology	Shri Shivaji Science College, Amravati	21.00 / 50
9	Divya Sanjay Bhaiyya	Bsc-III	Microbiology	Shri Shivaji Science College Amravati	41.00 / 50
10	Vaishnavi Anant Pawar	Bsc-III	Biotechnology	Shri Shivaji Science College, Amravati	37.00 / 50
11	Vrushika Jadhav	Bsc-II	Biotechnology	Shri Shivaji Science College Amravati	47.00 / 50
12	Megha mahesh sharma	Bsc-II	Microbiology	Shri Shivaji Science College, Amravati	27.00 / 50
13	Prathmesh S MEHARE	Bsc-I	Biotechnology	Shri Shivaji Science College Amravati	32.00 / 50
14	Vedanti Sunil chawande	Bsc-II	Forensic Science	Shri Shivaji Science College, Amravati	40.00 / 50
15	Ayush Vijay Jaiswal	Bsc-I	Biotechnology	Shri Shivaji Science College Amravati	39.00 / 50
16	Gauri Jitendra Hadge	Bsc-II	Microbiology	Shri Shivaji Science College, Amravati	34.00 / 50
17	Pradnya Arun Gawande	Bsc-III	Biotechnology	Shri Shivaji Science College Amravati	48.00 / 50
18	Shubhangi shridhar bochare	Bsc-III	Biotechnology	Shri Shivaji Science College, Amravati	47.00 / 50
19	Ku. Snehal Sharadrao Pawar	Bsc-II	Microbiology	Shri Shivaji Science College Amravati	41.00 / 50
20	Pooja Chandrashekhar Wanjari	Bsc-I	Biotechnology	Shri Shivaji Science College, Amravati	35.00 / 50

21	Prajakta Bobade	Bsc-III	Biotechnology	Shri Shivaji Science College Amravati	36.00 / 50
22	Pratiksha Nandkishor Rokade	Bsc-I	Biotechnology	Shri Shivaji Science College, Amravati	48.00 / 50
23	Akanksha Rakshit Hajare	Bsc-I	Microbiology	Shri Shivaji Science College Amravati	48.00 / 50
24	Ishika Ajay Awankar	Bsc-II	Biotechnology	Shri Shivaji Science College, Amravati	49.00 / 50
25	Basuri Bhaskarrao Ingole	Bsc-III	Microbiology	Shri Shivaji Science College Amravati	39.00 / 50
26	Renuka Govind Bhoyar	Bsc-III	Biotechnology	Shri Shivaji Science College, Amravati	38.00 / 50
27	Ambika Sanjay Nistane	Bsc-II	Biotechnology	Shri Shivaji Science College Amravati	46.00 / 50
28	Nikita Sanjay Oimbe	Bsc-II	Microbiology	Shri Shivaji Science College, Amravati	47.00 / 50
29	Janhavi shrikant Bande	Bsc-II	Biotechnology	Shri Shivaji Science College Amravati	39.00 / 50
30	Shreya Dnyandevrao Muley	Bsc-II	Biotechnology	Shri Shivaji Science College, Amravati	48.00 / 50
31	Samruddhi vinod dhawale	Bsc-III	Biotechnology	Shri Shivaji Science College Amravati	36.00 / 50
32	Sharayu Rajendra Chohatkar	Bsc-I	Biotechnology	Shri Shivaji Science College, Amravati	44.00 / 50
33	Manjiri Devendra Mahalle	Bsc-III	Biotechnology	Shri Shivaji Science College Amravati	38.00 / 50
34	Minal Govardhanji Doble	Bsc-II	Microbiology	Shri Shivaji Science College, Amravati	45.00 / 50
35	Harshal sham Barshetwar	Bsc-I	Biotechnology	Shri Shivaji Science College Amravati	42.00 / 50
36	Niraj Vinayak Gadhawe	Bsc-III	Forensic Science	Shri Shivaji Science College, Amravati	37.00 / 50
37	Gaurangi Madane	Bsc-II	Forensic Science	Shri Shivaji Science College Amravati	40.00 / 50
38	Kasturi Vijay Sastakar	Bsc-II	Biotechnology	Shri Shivaji Science College, Amravati	46.00 / 50
39	Punam Pasari	Bsc-I	Biotechnology	Shri Shivaji Science College Amravati	44.00 / 50
40	Harshada Rajesh Nandurkar	Bsc-II	Biotechnology	Shri Shivaji Science College, Amravati	49.00 / 50
41	Hrutuja Shashikant Adsod	Bsc-II	Microbiology	Shri Shivaji Science College Amravati	37.00 / 50
42	Aditya Gajanan Burkhande	Bsc-II	Biotechnology	Shri Shivaji Science College, Amravati	35.00 / 50
43	Akanksha Narendrarao Khadke	Bsc-I	Biotechnology	Shri Shivaji Science College, Amravati	43.00 / 50
44	Gayatri Jaysing More	Bsc-II	Forensic Science	Shri Shivaji Science College Amravati	47.00 / 50
45	Tushar shyam pawar	Bsc-II	Forensic Science	Shri Shivaji Science College, Amravati	48.00 / 50

46	Adesh D. Deshmukh	Bsc-II	Enviornment Science	Shri Shivaji Science College Amravati	32.00 / 50
47	Tanuja Mahendra Gajbhiye	Bsc-I	Microbiology	Shri Shivaji Science College, Amravati	40.00 / 50
48	Devyani mohan manmode	Bsc-II	Biotechnology	Shri Shivaji Science College Amravati	46.00 / 50
49	Neha Sanjayrao Awandkar	Bsc-II	Biotechnology	Shri Shivaji Science College, Amravati	50.00 / 50
50	Mahima Ranjit Dainiwal	Bsc-II	Microbiology	Shri Shivaji Science College Amravati	50.00 / 50
51	Shivam Satish Shingane	Bsc-I	Biotechnology	Shri Shivaji Science College, Amravati	50.00 / 50
52	Kartik Ganesh Bante	Bsc-II	Biotechnology	Shri Shivaji Science College Amravati	49.00 / 50
53	Nikita keshvrao pachghare	Bsc-I	Biotechnology	Shri Shivaji Science College, Amravati	44.00 / 50
54	Janhavi Gopal Thak	Bsc-II	Microbiology	Shri Shivaji Science College Amravati	46.00 / 50
55	Sakshi Vitthalrao Gawali	Bsc-I	Microbiology	Shri Shivaji Science College, Amravati	50.00 / 50
56	Sanyukta Gajananrao Amte	Bsc-II	Biotechnology	Shri Shivaji Science College Amravati	50.00 / 50
57	Nikhil Gajanan Kurwade	Bsc-III	Biotechnology	Shri Shivaji Science College, Amravati	32.00 / 50
58	Sanket Ghom	Bsc-III	Enviornment Science	Shri Shivaji Science College, Amravati	12.00 / 50
59	Rutuja Rajendra Junghare	Bsc-II	Forensic Science	Shri Shivaji Science College Amravati	38.00 / 50
60	Samruddhi Sudhir Bhonde	Bsc-III	Microbiology	Shri Shivaji Science College, Amravati	37.00 / 50
61	Pallavi Anil Mahalle	Bsc-III	Biotechnology	Shri Shivaji Science College Amravati	49.00 / 50
62	Sanika Vinayakrao Takale	Bsc-II	Biotechnology	Shri Shivaji Science College, Amravati	47.00 / 50
63	Maithili Ganeshrao Deulkar	Bsc-III	Microbiology	Shri Shivaji Science College Amravati	50.00 / 50
64	Kartik Raju Wankhade	Bsc-II	Biotechnology	Shri Shivaji Science College, Amravati	40.00 / 50
65	Khushi yashwantrao hole	Bsc-I	Microbiology	Shri Shivaji Science College, Amravati	33.00 / 50
66	Tanuja Babarao Nandurkar	Bsc-I	Microbiology	Shri Shivaji Science College Amravati	31.00 / 50
67	Kashish Pramodrao Talkit	Bsc-II	Biotechnology	Shri Shivaji Science College, Amravati	44.00 / 50
68	Arpita Sunil Dongare	Bsc-III	Biotechnology	Shri Shivaji Science College Amravati	46.00 / 50
69	Prachi Sunil Alone	Bsc-III	Microbiology	Shri Shivaji Science College, Amravati	38.00 / 50
70	Omeshwari N Sarode	Bsc-II	Biotechnology	Shri Shivaji Science College Amravati	37.00 / 50

71	Rachita Patil	Bsc-II	Forensic Science	Shri Shivaji Science College, Amravati	28.00 / 50
72	Minal Raju Harne	Bsc-III	Biotechnology	Shri Shivaji Science College, Amravati	49.00 / 50
73	Sneha Vasant Ghorad	Bsc-III	Biotechnology	Shri Shivaji Science College Amravati	39.00 / 50
74	Maurya anil gawande	Bsc-III	Biotechnology	Shri Shivaji Science College, Amravati	42.00 / 50
75	Anusha Sharique Shaikh	Bsc-II	Microbiology	Shri Shivaji Science College Amravati	40.00 / 50
76	Tejaswini K. Gaidhane	Bsc-III	Microbiology	Shri Shivaji Science College, Amravati	47.00 / 50
77	Samiksha Deshmukh	Bsc-III	Microbiology	Shri Shivaji Science College Amravati	34.00 / 50
78	Kamalika S. Bagade	Bsc-III	Microbiology	Shri Shivaji Science College, Amravati	43.00 / 50
79	Prerana sunilrao Jagtap	Bsc-II	Microbiology	Shri Shivaji Science College Amravati	32.00 / 50

HKD
Department of Biotechnology
Shri Shivaji Science College
Amravati

Shri Shivaji Education Society, Amravati's

Shri Shivaji Science College

Shivaji Nagar, Nagpur Road, Amravati (MS)

NAAC Accredited by Grade "A" with CGPA of 3.13 (Third Cycle).

UGC Awarded Status of College with Potential for Excellence (Second Phase).

Identified by DST, Govt of India for FIST and Sant Gadge Baba Amravati University, Amravati as Lead College

Affiliated to Sant Gadge Baba Amravati University, Amravati (MS) INDIA



CERTIFICATE

This Certificate is awarded to

Mr. Adesh Dattarao Deshmukh

Position: Student **Affiliation:** Shri Shivaji Science College Amravati

For the successful completion of the Online Certificate Course in Laboratory Techniques in Microbiology & Biotechnology as prescribed and ported by the Department of Microbiology & Biotechnology during 30 August - 28 September 2021 .

His/Her performance was

Satisfactory(B)/ Good(B+)/ Excellent(A)/ **Outstanding(A+).**

S.S. Mankar — Course Coordinator

Date: 01/10/2021

Head of the Department

IQAC Coordinator

Principal

Summary Report and Outcome

ourse Outcome and Summary :

alue added courses are the types of course which help a particular individual to develop their own skills their chosen field of the study. They are mostly independent to each type of the field. Clinical icrobiology has proved one of the most important disciplines in biology.

plays an important role in patient care by providing the cause of infection and antimicrobial sceptibility data to physicians which helps them for the proper diagnosis and treatment.

his Course prepares students to meet the vast requirements of professionals having suitable qualification well as exposure in the **Medical field** and **Biotechnology**.

he enrichment program was conducted from period of 30-08-2021 to 28-09-2021. The total students rolled for this program was 118. Total 79 students who had successfully completed this enrichment ogram. The students from various groups such as Microbiology, Biotechnology, Forensic Science, eology and Enviornment Science of Shri Shivaji Science College Amravati, was actively participated in is program. This enrichment program will helpful for the U.G. students to improve the basic knowledge Microbiology and Biotechnology.

This enrichment program was conducted under the guidance and constant support of Respected incipal Dr.G.N.Chaudhari and Dr.C.S Ukesh Head Dept. of Microbiology and Biotechnology. The forts taken by Course Coordinator Ms. S.S.Mankar and other team members to carried out this program ccessfully.

Head,

M K A P
Department of Biotechnology
Shri Shivaji Science College
Amravati

Dept. of Botany (Online Certificate Course in Laboratory Techniques in Biotechnology)

Name and Duration of the Program



Shri Shivaji Science College, Amravati

Department of Botany

organizes

Medicinal Plants: Traditional Uses and Career Opportunities Cycle 2

Permission letter

To,

The Principal,
Shri Shivaji Science College,
Amravati

Subject: **Permission regarding the Conduction of Value-Added Certificate Course.**

Respected Sir,

Taking into consideration about the current scenario of Covid-19 pandemic and importance of Medicinal Plants for boosting the immunity to fight against corona virus, Department of Botany, Shri Shivaji Science College, Amravati want to organize one month online certificate course on **" Medicinal Plants : Traditional Uses and Career Opportunities (MPTUCO)"Cycle - 2** from **16th August 2021 to 17th September 2021.**

This is an applied course and become more important as Government of India also establish a separate ministry " MINISTRY OF AYUSH" by understanding the value of medicinal plants. The main objective of the course is that the students must know about the novel medicinal properties of plants along with career opportunities in the field of Herbal Medicines.

Please permit us to conduct the course and oblige.

Date: 13.08.2021

Head
Department Botany
Shri Shivaji Science College,
Amravati

Received 14/08/2021

Notice

Dear Learners,

Taking into consideration about the current scenario of Covid-19 pandemic and importance of Medicinal Plants for boosting the immunity to fight against corona virus, Department of Botany, Shri Shivaji Science College, Amravati is going to organize one month online certificate course on " Medicinal Plants : Traditional Uses and Career Opportunities (MPTUCO)".This Course is designed for UG & PG students of Shri Shivaji Science College, Amravati.

This is an applied course and become more important as Government of India also establish a separate ministry " MINISTRY OF AYUSH" by understanding the value of medicinal plants. The main objective of the course is that the students must know about the novel medicinal properties of plants along with career opportunities in the field of Herbal Medicines.

Course Title - Medicinal Plants: Traditional Uses and Career Opportunities (MPTUCO) Cycle -2

Course Star Date: 16 August 2021 **Course End Date: 18 Sept. 2021**

Date of Final Examination:18 Sept. 2021

Course Fees: Free

Registration Link :https://forms.gle/SDhfNGFZznLTk2G66

Head
Department of Botany
Shri Shivaji Science College, Amravati

Prof. B. K. Dorka
Asso. Prof. & Head
Dept. of Botany
Shri Shivaji Science College,
Amravati-444603

List of the Students Enrolled and Attendance

Student Registrations : Medicinal Plants Traditional Uses and Carrier Oppertunities Cycle-2 2021					
Last Name	**First Name**	**Middle Name**	**College Name/ Institute Name**		
Khan	Ramsha	Thereem	Shri Shivraj science College		
Rude	Niket	Gopal	Shri shivaji science amravati		
Yawale	Pooja	Dnyaneshwar	Shri shivaji science college		
Jadhao	Krutika	Purushottamrao	Shri shivaji science college amravati		
Wankhade	Gauri	Madhukar	Shri shivaji science college amaravti		
Sayyed	Yasmeen ali	Abdul Sattar	Shri Shivaji Science College Amravati		
Navalkar	Pratiksha	Govardhan	Shri shivaji science college amravati		
Bhoyar	Lokesh	Amardas	Vidyabharati college kurkheda		
Fuke	Rushikesh	Anil	Mahatma jothiba fule college bhatkuli		
Barwant	Mukul	Machhindra	Sanjivani Arts Commerce and Science College kopergoan Ahmednagar Maharashtra India		
Tiware	Shruti	Bhaskar	Shri Shivaji science college, Amravati		
Ingle	Simran	Babulal	Shri shivaji science college amravati		
Deshmukh	Shivani	Vijay	Shri. Shivaji Science college, Amravati.		
Zade	Sanjivani	Maroti	Sant Gadge Baba Amravati University, Amravati		
Kumar	Tinku	Kumar	Dr Harisingh Gour Central University Sagar		
Oimbe	Nikita	Sanjay	Shri.Shivaji Science College,Amaravti		
Sawarkar	Yamini	Shyamsundar	Shri Shivaji science college Amravati		
Wange	Tejas	Devidasrao	Shri Shivaji science college Amravati.		
Rokade	Nikhil	Anil	Shri Shivaji science collage amravati		
Thakare	Kanchan	Vtthalrao	Sant gadge baba Amravati University Amravati		
Khan	Salique	Ahmed	Mahatma jyotiba fule college		
Hingankar	Aishwarya	Shivshankar	Shri Shivaji Science College Amravati Maharashtra		
Shingane	Shruti	Santosh	Shri Shivaji Science College Amravati		
Rajawat	Dheerendra	Singh	Rvskvv, COA gwalior		
Tupkar	Poonam	Dilip	Shri shivaji science clg amravati		
YADAV	ABHISHEK	No middle name	College of agriculture gwalior		
Jadhao	Raj	Ganesh	Shri shivaji science college, Amravti.		
Bhusari	Pranali	Anilreo	Shri Shivaji science college amravati		
Yadav	Dharmpal	Dharmpal Yadav	College of agriculture Gwalior		
Devkar	Rani	Balasaheb	Late pushpadevi patil art and science collage risod.		
Shingane	Shruti	Santosh	Shri Shivaji Science College Amravati		
Morkar	Urvashi	Tulashidas	Shri shivaji science		
Morkar	Urvashi	Tulashidas	Shri shivaji science		
Maurya	Devanand	Maurya	Dr.Harisingh Gour University sagar		
Jadhao	Raj	Ganesh	Shri shivaji science college, Amravti		

Devkar	Rani	Balasaheb	Late pushpadevi patil art and science collage risod		
Amale	Rina	Umeshrao	Shri. Shivaji science college Amaravati		
Kharad	Sakshi	Sakshi kharad	Mahatma Jyotiba Phule bhatkuli		
kalbande	pavan	vinod	At Pushpa Devi Patil College		
Atram	Amruta	Abhiman	Shri shivaji science college amravati		
Jatav	Bheem	Singh	College of Agriculture Gwalior		
Hinge	Kirti	Anil	SGBAU		
Nargawe	Dr.	Lalita	College of Agriculture RVSKVV Gwalior Madhya Pradesh		
Dighade	Nikita	Sukhadevrao	Adarsha Science J. B. Arts and Birla Commerce Mahavidyalaya Dhamangaon Rly		
Sarnaik	Shubham	Gajananrao	Late puspadevi patil art and scienceCollege,Risod		
Wasnik	Aastha	Laxmanrao	Adarsha Science, J.B. Arts and Birla Commerce Mahavidyalaya, Dhamangaon Rly.		
Jawale	Saurabh	Nandkishor	Anand Niketan college Anandwan Warora		
Shirbhate	Vaishnavi	Gajanan	Shri Shivaji Science College Amravari		
Mohod	Shraddha	Gajanan	Mhatma jyotiba fule college bhatkuli		
Swargiye	Divya	Rameshrao	Shree Shivaji Science College Amravati		
Patel	Mayurkumar	Jagdishbhai	Sheth P T Arts and Science College, Godhara		
Khalokar	Komal	Ravindra	Shri Shivaji Science College Amravati		
Gorde	Mrunali	Gajananrao	Shri Shivaji science college amravati		
Mate	Avinash	Jaykisan	Shri shivaji science college amravati		
karmankar	Jyoti	Alachand	Gurunanak college of science ballarpur.		
Prajapati	Pinal Ben	Chandrakant	SMT. S. M. Panchal Science college, Talod		
Sao	Dhanashri	Vishnu	Shree shivaji science college amravati		
Dhokane	Siddhant	Rajendrarao	Adarsha science, J.B arts and Birla commerce mahavidyalaya dhamangaon Rly		
Deshmukh	Pranjali	Jaywant	Mahatma Fule Mahavidyalaya, Warud		
Dhawale	Snehal	Nagorao	M.s.p. college, manora		
Ingole	Basuri	Bhaskarrao	Shree Shivaji Science College, Amravati		
Dawar	Intjar	Singh	RVSKVV Gwalior MP		
NA	Usha	NA	Rvskvvv		
Walde	Sakshi	Digambar	Shri. Govindrao munghate art and science college kurkheda		
KHAN	FARIYA	ASRAR	Guru Nanak college of science		
Borkar	Dipali	Hemraj	YCC. college		
Prajapati	Pinal	Chandrakant	SMT. S. M. Panchal Science college, Talod		
Patil	Rasika	Narayan	Shri Shivaji College of Arts Commerce and Science Akola		
Kumar	Amit	Nill	RVSKVV, Gwalior		
Gawande	Shraddha	Vijayrao	AMRAVATI		
Iqbal	Mohammed	Nafees	M.S.P Arts Science and KPT Commerce College Manora District Washim Maharashtra		
Bhimte	Darshna	Vasant	Yashwantrao chawhan lakhandur		

Bramhankar	Nikil	Devidas	Yashwantrao chauhan college lakhandur			
Mundhada	Sonal	Gopal	Shree shivaji science College amravati			
Bhusare	Shilpa	Manik	Sssm art comerce science clg saikheda			
Sahare	Prachi	Rupesh	Gurunanak college of science, ballarpur			
Jengthe	Nikita	Pramod	Shri Shivaji science College amravati			
Shinde	Anisha	7666414624	Sssm saikheda			
Hinglaspure	Radhika	Akash	Shri Shivaji Science College Amravati			
Lende	Nidhi	Vijay	Shri. Shivaji Science College			
Yawale	Bhavana	Bhaurao	Shri . Shivaji science College Amaravati			
Date	Minal	Arun	Shri shivaji science college amravati			
Shaikh	Fiza Parveen	Taswwar	Late pushpadevi Patil Arts & science college risod dist washim			
Noor	Simran Saniya	Rafiq	Late pushpadevi arts and science college Risod Dist Washim			
Kambale	Pratiksha	Dhanpalji	Arvindbabu Deshmukh Mahavidyalaya Bharsingi			
Wathore	Anchal	Vishvanath	Late pushpadevi patil arts and science college			
Umak	Aishwarya	Vinayak	Mahatma jothiba fule science and commerce college bhathkuli			
Barde	Shraddha	Purushottam	Shri Shivaji science college Amravati			
Margaye	Ankita	Prabhakar	Shri Shivaji Science College , Amaravati			
Ukey	Shital	Shivaji	Y. C. College Lakhandur			
Kale	Krutika	Sureshrao	SGBAU Amravati University			
Naswale	Mayuri	Prakash	Govt. Vidarbha Institute of Science and Humanities Amravati			
Tarale	Ekta	Vilasrao	Adarsh self financed English medium School Daryapur			
Chunne	Sapna	Shankar	Yashwantrao chawan college Lakhandur			
Naswale	Mayuri	Prakash	Govt. Vidarbha Institute of Science and Humanities Amravati			
Yadav	Om	Prakash	Chaudhary Charan Singh Haryana Agricultural University, Hisar			
Wankhede	Harshali	Chakradhar	Arvindbabu deshmukh.mahavidyalay,bharsingi			
Bodake	Nisha	Sadashiv	Saam, saikheda			
Kathane	Tikaram	Ramkrushna	Yashavantarao chawhan college lakhandur			
Gulhane	Vaishnavi	Ghanshyam	Adarsh Mahavidyalaya Dhamangaon Railway			
Ingle	Khushbu	Tukaramji	Arvindbabu deshmukh mahavidyalay bharshingi			
Padole	Sneha	Sudhakar	Adarsh College Dhamangaon Rly			
Salve	Pallavi	Sushil	Guru Nanak College Of Science ballarpur			
Vidhate	Sopan	Sampat	Yashwantrao Chavhan College of Science , lakhandur			
Gayaki	Prachi	Vijay	Shri shivaji science college amravti			
Hole	Khushi	Yashwantrao	Shri shivaji science college of Amravati			
Chakole	Swati	Tulshidas	Y.C.C.Lakhandur			
Ingale	Kalyani	Sudhir	Shri Shivaji Science College Amravati			
Diwathe	Puja	Abaji	Dr. Arun motghare college kondha			

Khonde	Aditi	Nilkhanthrao	Shree shivaji science college of amravati			
Ramteke	Punam	Yashwant	YCCM Lakhandur			
Khobragade	Suraj	Rajesh	Aniket Mahavidyaly wadsa			
Thor	Samiksha	Gajanan	Aadarsh j.b arts and Birla Commerce Mahavidyalaya			
Ramteke	Punam	Yashwant	YCCM Lakhandur			
Badole	Tejaswini	Prakash	Yashwantrao Chawhan College lakhandur			
Nirbhavane	Kajal	Balu	SSSM College Saikheda			
Belsare	Chanchal	Vilasrao	Shri. Shivaji science college Amravati.			
Rathod	Vanshika	Vinod	SHRI SHIVAJI SCIENCE COLLEGE AMRAVATI			
Thakare	Sakshi	Sanjay	Adarsh Mahavidayla , Dhm rly			
Wanjari	Bhagyashri	Vijayrao	Adarsh Mahavidhalay , Dhamangaon Rly			
Bhimanwar	Prajakta	Sagar	Guru Nanak college of science			
Shende	Pratibha	Prabhu	Gurunanak college of science Ballarpur			
Hande	Ayushi	Anil	Gurunanak college of science			
Nagrikar	Achal	Vijay	Adarsha mahavidyalaya dhamangaon rly			
Nagrikar	Pratik	Vijay	Adarsha Mahavidyalaya dhamangaon railway			
Nagrikar	Achal	Vijay	Adarsha mahavidyalaya ,Dhamangaon rly			
Barde	Sakshi	Gajanan	Shri shivaji science college Amravti			
Arekar	Sejal	Sudeshrao	Adarsha Science, J.B. Arts and Birla Commerce Mahavidyalaya, Dhamangaon Fly.			
Shinde	Shruti	Gopinath	University of Mumbai			
Ade	Akshay	Jaysing	Shree. shivaji science college amravati			
Rangari	Arju	Mahamad	Yashvantrao Chavan college Lakhandur			
Nakade	Pranali	Gopal	Yashwantrao Chauhan mahavidhyalay lakhandur			
Shinde	Shruti	Gopinath	Mumbai University			
Jangale	Vishakha	Sheshrao	Ycc lakhandur			
Singh	Uma	Raghunandan	Sonopat Dandekar Arts, v.s apte commerce and m.h Mehta science college palghar.			
Patel	Kusum	Ramajor	Guru Nanak college of science ballarpur			
Shrivastav	Mamta	Rambabu	Guru Nanak of science College, Ballarpur.			
Wankhade	Gauri	Wankhade	Shri shivaji science college amaravti			
Mankar	Gayatri	Manohar	Shri Shivaji Science College, Amravati			
Sontakke	Mayuri	Sainath	Gurunanak College of science, Ballarpur.			
Rathour	Shubham	Singh	College of Agriculture, RVSKVV, Gwalior, MP			
Naik	Diksha	Anil	S.P.K.COLLEGE , SAWANTWADI			
Lone	Ankita	Manikrao	Arvindbabu Deshmukh Mahavidyalaya Bharsingi			
Thakare	Durga	Ramdas	Yashwantrao chawhan arts, commerce &science college ,lakhandur			
Takildar	Iptesam	Salim	SPK college Sawantwadi			
Ingale	Divyani	Gajanan	Shri shivaji science college Amravati			

Rizvi	Amena	Narjis	Mumbai University
Bhoyar	Lokesh	Amardas	Vidyabharati college kurkheda
Deshmukh	Sarita	Sajjanrao	Late pushpadevi patil art and science college risod
Bhoyar	Lokesh	Amardas	Vidyabharati college kurkheda
Deshmukh	Sarita	Sajjanrao	Late pushpadevi patil art and science college risod
Malekar	Pallavi	Sanjay	Late pushpadevi Patil arts &science college risod
Ghorpade	Sakshi	Pandhari	A d collage bharsingi
Gautam	Barsagade	Kewalram	Yashwant rao chauhan
Chunne	Mukesh	Rajesh	Yashwantrao Chavhan College Lakhandur
Dhokane	Sakshi	Vinod	Shri shivaji science college amravati
Ramgudwar	Mr.Vikki	Ashokrao	SGBAU Amrawati
Jawanjal	Sakshi	Pramod	Shri Shivaji Science College, Amravati
Hamare	Tushar	Pandurang	S.D. S. M college Palghar
Sonone	Nisha	Baburao	Mahatma jyotiba fule college bhatkuli
Agashe	Rupali	Narayan	YCC
Sonone	Nisha	Baburao	Mahatma jyotiba fule college bhatkuli
Wadikar	Pragati	Motiram	Yaswyantraw chavhan lakhandur
Ther	Rohit	Tarikaram	Yeswantrao chawhan college
Pote	Pratiksha	Rajesh	SSSM art science and commerce College saikheda
Shende	Sanjivani	Lavha	Yashwantrao Chavhan college
Kasture	Sneha	Dasharath	Gurunanak college of science ballarpur
Kemekar	Vaishali	Vijay	Shri shivaji science College amaravati
Kasture	Sneha	Dasharath	Gurunanak college of science ballarpur
Belsare	Shruti	Vinodrao	Shri Shivaji science College amravati
Solanke	Dhirajkumar	Subhashrao	Shri shivaji science college
Ambure	Vaibhav	Vishnu	Shri Shivaji Science College Amravati
Rajput	Saloni	Rajeshsingh	Shri.shivaji science college amravati
Patil	Prajakta	Ravindra	S.P.K college, Sawantwadi.
Khobragade	Achal	Tejram	Yashwantrao chawhan college
Kitukale.	Savari	Kishorrao	Shri. Shivaji Science College, Amravati
Umare	Vedant	Rajendra	Shri Shivaji Science College, Amaravati
vaidya	madhuri	ramnath	y c college lakhandur
Pawar	Vishal	Sanjay	Late pushpadevi patil Arts ans science college. Risod
Pawar	Vishal	Sanjay	Late pushpadevi patil Arts ans science college. Risod
Garate	Shruti	Subhash	Annand Niketan college Anadwann
Tembhurne	Vanashri	Shuddhodhan	Yashwant rao chawan college lakhandur
AQEEL	SHAIKH MOHSIN	SHAIKH	Lats pushpadevi patil arts and science college risod

Vaidhya	Saurabh	Ambardas	Y.C. College Lakhandur
Pogale	Yogeshwari	Kiran	Yashwantraw chavhan college lakhandur
Shahare	Divya	Digambar	Yashwantrao chavhan college lakhandur
Lande	Smita	Krushnarao	Late Pundalikrao Gawali Arts and Science mahavidyalaya Shirpur jain
Sheikh	Saniya	Roshan	Gurunanak collage of science
Pogale	Yogeshwari	Kiran	Y.c.college lakhandur
Vaitkar	Vaishnavi	Malhari	Dr. Rajendra Gode Ayurveda college hospital and research center
Shahare	Divya	Digambar	Yashvantrao chavhan college lakhandur
Bhokare	Janhvi	Diliprao	Shri Shivaji Science College, Amravati
Shahare	Divya	Digambar	Yashvantrao chavhan college lakhandur
Yerne	Payal	Prabhu	Yashwantrao chavhan college lakhandur
Wanjari	Rajeshree	Kisan	Y c college lakhandur Rajeshree
Shende	Pallavi	Dilip	Yashwantrao chauhan college lakhandur
Ukey	Shital	Shivaji	Y.c. college Lakhandur
Misal	Vaibhav	Bacharam	Dr.S.D.D. Arts, Commerce & Science college wada, palghar-421303
Mehare	Vedika	Vijay	Shri shivaji science college amt
Hadke	Shivani	Dipakrao	Shree shivaji science College Amaravati
Khan	Roshni	Bashir	Guru nanak college of science ballarpur
Sinkar	Surendra	Ramrao	Arvindbabu Deshmukh Mahavidyalaya, Bharsingi
Kukade	Shruti	Narendra	Guru Nanak college
Bhoyar	Shrutika	Arunrao	Adarsha clg
TEMBHURNE	DHARMASHIL	ARUN	V J Polytechnic College
Garad	Apeksha	Shivdatta	Adarsh college Dhamamgoan railway
TEMBHURNE	Dasmita	ARUN	Y. C. Collage Lakhandur
Warhade	Mrunal	Ishwar	Gramgeeta Mahavidyalaya, Chimur
JADHAV	MAHESH	PRADIPRAO	Gramgeeta Mahavidyalaya Chimur
Puri	Ruchit	Baban	Pushpadevi Patil science and art college
Aadke	Vrushali	Namdev	SSSM ARTS, Sci.and com. College, Saikheda
Panchabhai	Surekha	Sanjay	Y.c college lakhandur
Panchabhai	Surekha	Sanjay	Yc.college lakhandur
Pogale	Yogeshwari	Kiran	Y.c.college lakhandur
Ripote	Sakshi	suryakant	S.S.S.M.Arts ,Science and commerce College Saikheda Dist Nashik
Sorde	Alisha	Jalendra	Gramgeeta Mahavidyalaya, Chimur
Wadibhasme	Payal	Dnyaneshwar	Yashwantrao chawhan arts,commerce and science college लासूर
Wadibhasme	Payal	Dnyaneshwar	Yashwantrao chawhan arts commerce and science college lakhandur
Katole	Dnyneshwri	Rajendra	Arvindbhabhu dheshmukh vidyalya bharsingi
Karokar	Akanksha	Rajesh	Arvindbabu Deshmukh mahavidya bharsingi

Nipane	Prachi	Kishorrao	Shri shivaji science college , amravati
Pagar	Sakshi	Dattatrey	S.S.S.M. Arts, Science and Commerce college, saikheda
SHINDE	CHETAN	BHAUSAHEB	S.S.S.M art science &commerce college saikheda
Shinde	Chetan	Bhausaheb	SSS.M Art science & commerce college saikheda
Kamble	Darshan	Pandurang	Shri Pancham khemraj Mahavidyalay Sawantwadi
Dhanorkar	Ratan	Dattaji	Dnyanada College Of Education, Chandrapur
KATORIYA	RAJVEER	SINGH	Rajmata Vijayaraje Scindia Krishi Vishwavidyalaya, Gwalior, Madhya Pradesh, India
Halmare	Kalpak	Sharad	Y.c college lakhandur
Aadke	Radha	Balasaheb	shri swami shatkopachararyaji maharaj arts science and commerce college saikeda
Avhad	Akshay	Sahebrao	Sssm collage saikheda
Shinde	Vishal	Shantaram	S.s.s.m Arts Science & Commerce College Saikheda
Athor	Swapnil	Devrao	Mahatma jotibha phule college batkuli
Meena	Shri	Kunwar	College of agriculture Gwalior MP
Nandpure	Kiran	Dhanraj	Y.C. collage lakhandur
Kite	Anushka	Sanjay	Shri Shivaji Science College, Amravati
Datarkar	Shital	Narayan	Anand Niketan Anandwan Warora
KALPANDE	SONALI	ANIL	Adarsha Science,J.B. Arts and Birla Commerce Mahavidyalaya, Dhamangaon Rly
Maladhari	Sartaj	Sheikh Rafik	Gramgeeta Mahavidyalaya Chimur
Kokate	Dr.Dayashree	Vinayakrao	B.S.Patil Mahavidyalaya Paratwada
Mandloi	Dhan	Singh	RVSKVV KVK,DHAR(MP)
SHRUTHI T H	SHRUTHI T H	SHRUTHI T H	University of agricultural sciences Raichur
Nandpure	Kiran	Dhanraj	Y.C. college lakhandur
SHRUTHI T H	SHRUTHI T H	SHRUTHI T H	University of Agricultural science Raichur
Raut	Shubham	Vishnuji	Arvindbabu deshmukh college, bharsingi
Chawale	Samiksha	Dipak	Shri Shivaji Science College Amravati
Paighan	Mayuri	Satyanarayan	Latae pushpadevi art.s and science collage risod
Raut	Rushikesh	Ashokrao	Arvindbabu Deshmukh Mahavidyalaya Bharsingi
kanhere	sapna	Rupraoji	Arvindbabu Deshmukh Mahavidyala Bharshingi
Suhel	Shaik	Mohammed	Bharatiya engineering science and technology innovation university
Katare	Prerana	Vasant	Shri swami shatkopacharyji maharaj arts science and commerce senior college saikheda
Pethe	Vaishnavi	Prakash	Adarsha mahavidyalay dhamangav relway
kanhere	sapna	Rupraoji	Arvindbabu Deshmukh Mahavidyala Bharshingi
MADANKAR	Mrunal	Digambar	Arivindbabu Deshmukh Mahavidyalaya
Rayate	Samadhan	Subhash	Shree Swami shatkopacharyaji art,comm.,and science College saikheda
Katare	Prerana	Vasant	Shri swami shakopacharyji maharaj arts science and commerce senior college saikheda
Sawant	Mrunal	Santishrao	Adarsh science, J.B. arts & Birla commerce dhamangaon rly
Pathan	Shirin	Riyaz	Gurunanak college of science

Kotkar	Saurabh	Rajendra	SSSM college saikhesa
Parshuramkar	Punam	Leeladhar	Yashwantrao chawhan college lakhandur
Pathan	Shirin	Riyaz	Gurunanak college of science .ballarpur
Rewatkar	Diksha	Kailas	Arvindbabu Deshmukh College of bharsingi
Parshuramkar	Punam	Leeladhar	Yashwantrao chawhan college lakhandur
Gadhwe	Puja	Ashok	Arvindbabu Deshmukh Mahavidyala Bharshangii
Mahoriye	Pankaj	Sheshrao	A.D.Clg Bharsingi
Parshuramkar	Punam	Leeladhar	Yashwantrao chawhan college lakhandur
Bansod	Payal	Surendra	Aadarsh mahavidyalay Dhamngaon rly
KHAN	Dr. KHURSHEED	ALAM	RVSKVV-College of Horticulture, Mandsaur, Madhya Pradesh, India
Doble	Minal	Govardhanji	Shri.Shivaji Science College, Amravati.
Kathane	Sohan	Kuwarlal	Guru Nanak College of Science,Ballarpur Dist-Chandrapur
Dhokane	Shilpa	Gajanan	Arvindbabu Deshmukh Mahavidyalaya Bharsingi
Dhokane	Shilpa	Gajanan	Arvindbabu Deshmukh Mahavidyalaya Bharsingi
Patil	Akshata	S	KSN, UAHS, shivamogga, college of Horticulture Hiriyur, chitradurga district, karntaka.
Bade	Yash	Surendra	Shri Shivaji Science Collage Amravati
A	Vaishnavi	B	College of horticulture hiriyur
Keole	Renuka	Narendra	Vidyabharti mahavidyalay, Amt
Morkar	Urvashi	Tulashidas	Shri shivaji science
Punse	Rajkumar	Rajkumar	Shri shivaji science college sgbau amravati
Naik	Raju	Pandharinath	S.p.k. college sawantwadi
Chachane	Vaishnavi	Diwakarji	Arvind babu deshmukh mahavidyalay bharsingi.
KAMBLE	VIJAY	NARAYAN	DEPARTMENT OF LIFE SCIENCES, UNIVERSITY OF MUMBAI
Adsare	Komal	Ashok	Ssm college saikheda
AQEEL	SHAIKH MOHSIN	SHAIKH	Lats pishpadevi patil arts and science college risod
Kathane	Chaitali	Digambar	Shri Shivaji science college Amravati
Sasode	Rajni	Singh	Rajmata Vijayaraje Scindia Krishi Vishwa Vidyalaya, Gwalior
Pinjari	Vrushali	Pandurang	Sant Gadge Baba Amravti University, Amravti
Chandak	Krishna	Brijmohan	Adarsha Science J.B Arts and Commerce Mahavidyalaya Dhamangaon Rly
Shukla	Aparna	Ramkumar	National botanical research institute Lucknow Uttar Pradesh
Pinjari	Anuradha	Pandurang	Adharsh mahavidyalay dhamangaon Rly
Bhopulkar	Rohit	Shalikram	Shivaji science College, Nagpur
Jamdhade	Shubham	Pandit	Late Pushpadevi Patil Arts and Science college Risod
Jamkar	Nikita	Sanjay	SSSM Art's Commerce and science College saikheda
Gohad	sejal	sharad	S.S.S.M.Arts,Commerce,Science college ,Saikheda
Gondane	Gaurav	Moreshwar	Yeshwantrao chavhan college lakhandur
Tarhekar	Khushali	Pundlikrao	Adarsh science,J.B.Arts and Birla commerce mahavidyalaya, Dhamangaon railway

Misar	Dineshwari	Misar	Yc.College Lakhandur			
Kotrange	Khushabu	Anil	Y C College Lakhandur			
Davhale	Naina	Vilas	Late Pushpadevi Patil Art & Science College Risod			
Bodkhe	Pratiksha	Ramesh	Shri Shivaji science College			
Sharma	Kalpana	Sharma	RVSKVV			
Borkar	Raghini	Ramesh	Y.C.Collage lakhandur			
Ingle	Suvarna	Rohan	Shri Shivaji science college Amravati			
Yadav	Komal	-	RVSKVV, GWALIOR			
Borkar	Dimpal	Dayaram	Gramgeeta mahavidyalaya chimur			
Thakare	Pratiksha	Gajananrao	Shri shivaji science college Amravati			
Thakare	Sakshi	Ganesh	Adarsh Mahavidhalay dhamangao rly			
Yadav	Komal	-	RVSKVV, GWALIOR			
Makde	Yashashri	Dilip	Yashwantrao Chawan Arts, Commerce & Science College Lakhandur,Distt. Bhandara			
Rajgade	Khushbu	Gopal	Guru Nanak College Ballarpur			
Walke	Diksha	Vijayarao	Aadarsh mahavidyalaya dhamangaon railway			
Dwivedi	Kumari	Bhanuja	College of agriculture, R.V.S.K.V.V, Gwalior (M.P.)			
मस्के	सुधीरकुमार	मारोती	Yashwantrao Chawhan Arts Commerce and Science College Lakhandur			
Bhandakkar	Snehal	Tulsidas	Arts ,commerce and Science College, Maregaon			
Deshmukh	Suraj	Santosh	Let pushpa devi patil art and science collage risod			
SINVHAGADE	SALONI	MANOJ	Yashwantrao chawhan college lakhandur			
Yelane	Rupali	Lalchand	Yashwantrao chavhan arts & commerce&Scince college lakhandur			
Waghmare	Dattatraya	Namdev	V. V. M's S. G. Patil Arts, Science and Commerce College Sakri, Dhule.			
Deshmukh	Suraj	Santosh	Let pushpa devi patil art and science collage risod			
Kokate	Shital	Gajanan	Adarsh CLG dhamangaon rly			
Sote	Nikita	Sunilrao	Adarsh Science Arts/Birla Collage Dhamangaon rly .			
Punekar	Arpita	Shrikrishna	Guru Nanak College of Science			
Charde	Kanchan	Sureshrao	Brijlal Biyani Science College , Amravati.			
Kokare	Tejaswini	Bhimrao	Shri shivaji science college Amravti			
More	Pratiksha	Ramesh	Late Pushpadevi arts and sciences College risod			
Sreenivasulu	Parvatha	Gari	BESTIU			
Solany	Renuka	Dilip	Shivaji science College amravati			
Garkal	Ganesh	Sadashiv	Late.puspadevi Arts and Science College,Risod			
Kadel	Minakshi	Babusing	Sant Gadge Baba Amravati University Amravati			
narayana	Bolla	Venkat	Best innovation University (CASAR)			
Sahare	Shruti	Vilas	Yashwantrao chauhan college lakhandur			
Gobade	Naynita	Yashwant	Yashwantro Chouhan Mahavidyalaya			
More	Ashwini	Vilas	Late pushpadevi Patil art & science collage risod			

Tayade	Abhijit	Sudhakar	Mahatma jyotibha fule college Bhatkuli			
Gobade	Naynita	Yashwant	Yashwantrao chauwhan mahavidgalaya Lakhandur			
Bhoyar	Shubhangi	Haridas	Y.C.C.Lakhandur			
Kalmegh	Aditi	Sunil	Shri Shivaji Science College, Amravati			
Kurhade	Priya	Sharadrao	Shivaji science college amravti			
Kute	Vaishnavi	Santosh	Pushpa Devi patil arts and sciences College risod			
Mansuri	Md.kamruddin	Md.Sirajuddin	Hi tech college of pharmacy Chandrapur			
BANOKAR	VAISHNAVI	ARUNRAO	Shri Shivaji Science College, Amravati			
Mansuri	Md.kamruddin	Md.Sirajuddin	Hi tech college of pharmacy Chandrapur			
Humane	Prachi	Purushottam	Yashwantrao Chawan College Lakhandur			
Humane	Prachi	Purushottam	Yashwantrao Chawan College Lakhandur			
Humane	Prachi	Purushottam	Yashwantrao Chawan College Lakhandur			
Burkhande	Aditya	Gajanan	Shri Shivaji Science College, Amravati			
Sardar	Nikita	Wasudeo	Shri Shivaji Sience college Amravati			
Walkade	Kalyani	Vijay	Shri Shivaji science college, Amravati			
Satimeshram	Apurva	Pralhad	Shri shivaji science college,amravati			
Sakharkar	Avantika	Rajendra	Guru Nanak college of science			
Pyasi	Richa	-	RVSKVV Gwalior			
Wagh	Pooja	Arunrao	Shri Shivaji Science college Amravati			
Wagh	Ankita	Tatyarao	Late pushpa devi art and science College risod			
Dadhore	Shabnam	Bholaram	Shri Shivaji Science College Amravati			
Mundhe	Sonali	Sanjay	Late pushpadevi patil arts and science college risod			
Khanzode	Swati	Gajanan	Late pushpadevi Patil art and science College risod			
Dademal	Varsha	Lalit	Y. C. College Lakhandur			
Mundhe	Pallavi	Dnyaneshwar	Late pushapadevi patil Art and science college Risod			
Borkar	Tushar	Dipak	Brijlal Biyani science college Amaravati			
Patil	Ramakant	Keshavrao	MVP samaj ACS College Ozar Mig College Tal Niphad Dist Nashik			
Rokade	Simeet	Subhash	Late Pundalikrao Gawali Arts and Science Mahavidyalaya, Shirpur (Jain)			
Namdev	Khushboo	Khushboo	RVSKVV , Gwalior			
raghuvanshi	mona	no	Rajmata Vijyaraje scindia krishi vishwa vidhyalay gwalior			
Gosavi	Sachin	Vasantgir	MVP Samajs S. S. S. M. Arts, Science and Commerce College, Saikheda , Tal. -Niphad, Dist. -Nashik			
raghuvanshi	mona	no	R.V.S.K.V.V Gwalior (m.p.)			
Hire	PRIYANKA	Bhausaheb	Sssm ASC clg saikheda			
PHAD	Mayuri	Bachvant	Maratha Vidya Prasarak Samaj's Arts, Commerce and Science College, Saikheda			
Handge	Swapnali	Surybhan	S. S. S. M. Arts, science, commerce college, saikheda.			
GARE	Adesh	Khandu	Shri Swami Shatkopacharyaji Maharaj Arts Science and Commerce college saikheda			
Shaikh	Saniya	Khalil	SSSM college saikheda tal.niphad dist.nasik			

Patil	Priya	Shankar	Guru nanak College of science ballarpur			
Bhalerao	Shivani	Raju	Adarsha mahavidhyala Dhamngao rly			
Borkar	Ankita	Udebhan	Yashwantrao Chauhan College Lakhandur			
Patil	Priya	Shankar	Guru nanak College of science ballarpur			
Malviya	Sankalp	Shyam	Adarsh Science J.B Arts and Birla commerce Mahavidyalaya,Dhamangaon Rly.			
Raut	Pallavi	7499873870	Mahatma jyotiba fule science college bhatkuli			
Kushwah	Vijaya	Singh	College of Agriculture, Gwalior			
Patil	Shreya	Shankar	Guru Nanak collage of science ballarpur			
Muthal	Pavan	Rambhau	Late pushapadevi Patil Arts and Science College Risod dist Washim			
Gudadhe	Rutuja	Sanjayrao	Shri Shivaji Science College Amravati			
Borkar	Rajeshwari	Mahendra	Y.C.College lakhandur			
Belsare	Ritesh	Ramdev	Shivaji science college Amravati			
Sontakke	Kailash	Subhash	Gopikabai Sitaram Gawande Mahavidyalaya Umarkhed Dist. Yavatmal			
Upadhayay	Adarsh	Tribhuwan	Adarsha Science JB Arts & Birla Commerce Mahavidyalaya, Dhamangaon Rly			
Jatab	Rajeah	-	College of Agriculture, RVSKVV, Gwalior			
Mendhe	Astha	Rajiram	Yashwantrav chawhan College Lakhandur			
Ghate	Santosh	Konduji	Late pushpadavi patil arts and scince collage risod			
Mendhe	Astha	Rajiram	Yashwantrav chawhan College Lakhandur			
Deshmane	Vinayak	Rajesh	Lpp			
Khanday	Ashiq	Hussain	SGBAU			
Jawanjal	Divya	Sunilrao	Shri Shivaji science College amravati			
Ambhore	Arti	Devrao	Late pushpadevi Patil art and science college, risod			
Sharma	Kalpana	Kalpana	RVSKVV Gwalior			
Ghote	Pooja	Sakharam	LPP arts and science collage risod			
Kapil	Manisha	Rakeshchand	Sant gadge baba amravati university Maharashtra			
Ghote	Pooja	Sakharam	LPP arts and science collage risod. Di.Washim			
Sonwane	Premraj	Raghunath	Yashwantrao chavan lakhandur			
B	Dr	Venkatesh	College of Agricultural Sciences and Applied Research, BEST IU, Andhra Pradesh			
Patil Suresh Mohini	Mohini	Suresh	DR .Panjabrao Deshmukh law college of Amravati			
Umate	Satish	Keshavrao	Science College Nanded			
Undre	Krutika	Vasant	Shri shivaji science college amaravati			
Vyas	Ritu	Ramkumar	Shree Shivaji Science College Amravati			
Wabale	Anoushka	Datta	Shri Shivaji Science College Amravati.			
Dr. Nagaraj	Dr. Nagaraj	Dr Nagaraj	ICAR-KVK, UAS, RAICHUR			
Bure	Ishwari	Yogiraj	Shri. Shivaji science college Amravati			
KHAN	KHURSHEED	ALAM	RVSKVV-College of Horticulture, Mandsaur, M.P.			
Sonwane	Premraj	Raghunath	Ycc lakhandur			

Morkar	Urvashi	Tulashidas	Shri shivaji science			
Bhadouriya	Poonam	NA	RVSKVV College of Agriculture Gwalior Madhya Pradesh			
Mate	Janhavi	Atul	Shri shivaji science college Amravati			
Wasnik	Gurudev	Nandu	Yashwantrao Chauhan Art's commerce and science college lakhandur dist.bhandara			
Ramteke	Mohini	Dilip	Gondwana University Gadchiroli (Campus)			
Bhoyar	Akash	Maroti	Yashwantrao Chavhan Art science and commerce College Lakhandur			
Shekokar	Pranali	Vilasrao	Shri.Shivaji Science College Amaravati			
AJMIRE	GAURAV	HARISH	SHRI SHIVAJI SCIENCE COLLEGE AMRAVATI			
Nyahare	Kanchan	Arvindrao	Adarsha Mahavidyalaya Dhamangaon Rly			
Ramteke	Sonali	Ramesh	Yashwantrao chawhan college Lakhandur			
Bhakare	Khushi	Vijayrao	Shri Shivaji science College Amaravati			
Badhiye	Sakshi	Janardhan	Adarsha science,j.b arts and birla commerce mahavidyalaya,dhamangaon.rly			
Umare	Nayan	Gangadhar	Guru Nanak College of science bamni Ballarpur			
Lodhiya	Anjali	Shailesh	Guru Nanak College Of Science, Ballarpur			
Bande	Ashish	Ramesh	yashwantrao chavhan college lakhandur			
Dhoble	Ayush	Diliprao	Shri Shivaji Science College,Amravati			
BAGRI	UMA	SHANKAR	R. V. S. K. V. V. GWALIOR (M.P.)			
Khandare	Dnyaneshwar	Gajanan	Late.pushpadevi patil art& science college risod			
Bhagat	Amrapali	Pundlik	Late Pushpadevi Patil Arts and Science College Risod Washim MS India			
Chaudhari	Tushar	Nanaji	Yashwantrao chawhan lakhandur			
Thakare	Vaishnavi	Rajkumar	Shri Shivaji Science College Amravati			
Chaudhari	Tushar	Nanaji	Yashwantrao chawhan lakhandur			
Yelane	Rupali	Lalchand	Ycc lakhandur			
Ande	Kalyani	Diliprao	Shri shivaji science collage amt			
Yadav	Shankar	Lal	RVSKVV Gwalior			
Gawande	Pradnya	Arun	Shri Shivaji science college, Amravati			
sheikh	heena	aziz	Guru Nanak college of science			
MAHAKAL	VAISHNAVI	VISHNU	Late pushpadevi patil arts & science college, Risod			
Shende	Divya	Shashikant	Guru Nanak college of science Ballarpur			
Ingale	Sejal	Pravinrao	Shri. Shivaji Science College Amravati .			
Sheikh	Alisha	Majid	Gurunanak science of college			
Harne	Renuka	Gajanan	Shri Shivaji science College amravati			
Kamatwar	Sonam	Purnachandra	Gurunanak college of science			
Mapari	Shrihari	Tejrav	Late Pushpadevi Patil Arts & Science College, Risod,			
Dhurve	Vaishnavi	Makhan	Shri shivaji science collage amravti.			
Gavande	Dilip	Laxman	Shri Shivaji Science and Arts College,Chikhli.			
Garad	Narayan	Dinkar	Pushapadevi college Risod			

Pathan	Shadab	Hamid khan	Yashwantrao Chaohan arts & science & commerce college	
Adhikari	Mr.	Chayan	Dr. Harisingh Gour Vishwavidyalaya (A Central University)	
Tirankar	Renuka	Arvind	Guru Nanak college Ballarpur	
Mirge	Dr. Yogita	Shankarao	Department of Botany, SGBAU, Amravati	
Rathore	Niharika	S	Rvskvv Gwaliar	
Irkhede	Nikita	Pundlikrao	Shri shivaji science clg amravti	
Walthare	Lakhan	Arun	YC COLLEGE LAKHANDHUR	
Ghawale	Kajal	Vishwanth	Yeshavnthrav chohan college Lakhandur	
Dethe	Vrushabh	Vilas	Anand Niketan College, Warora	
Bhutada	Punam	Anilkumar	Yashwantrao chavhan college Lakhandur	
Bondre	Dr. Ku. Vijaya	Narayanrao	Adarsh Highschool Daryapur	
Himane	Manisha	Ramesh	Aadarsh mahavidyalay Dhamangao rly	
Shrikhande	Ku Akshata	Avinash	Shri Shivaji Science College Amravati	
Bhadauria	Dr. Sudhir	Singh	Rajmata Vijayaraje Scindia Kriahi Viahwa Vidyalaya, Gwalior	
Kolhe	Rani	Ramesh	Sgbau	
Gajbhiye	Tanuja	Mahendra	Shri. Shivaji Science College, Amravati	
Masatkar	Dr. Priyanka	Ashokrao	Ghulam Nabi Azad Arts commerce and Science College ,Barshitakli ,Akola	
Yerne	Sneha	Dadaji	Yashvantrav chavhan mahavidyalaya lakhandur	
Khobragade	Lineshwari	Premdas	Yashwantrao chawhan college lakhandur	
POTODE	CHANDRASHEKHAR	TEJRAMJI	BHALERAO SCIENCE COLLEGE SAONER	
Mistry	Khyati	Prakashkumar	SMT S.M. PANCHAL SCIENCE COLLEGE, TALOD	
Wankhade	Ashwini	Pramodrao	Adarsha science and j. b arts and birla commerce Mahavidhyalaya	
Petkule	Tineshwari	Damodhar	YCC	
Patle	Chandrakumar	Kewalram	.	
Sakhare	Samir	Shishupal	Y. C. college lakhandur	
Thor	Samiksha	Gajanan	Aadarsha science j.b arts and Birla Commerce Mahavidyalaya	
Kasdekar	Ravindra	Ramu	Shri shivaji science collage Amravati	
Nandanwar	Ghanshyam	Khushal	Yc clg lakhandur	
Shahare	Rohini	Jaypal	Y C College Lakhandur	
Choube	Diksha	Shashikant	Adarsha College	
Nandanwar	Ghanshyam	Khushal	Yc clg lakhandur	
Kamble	Dipali	Premraj	Y. C. College lakhandur	
Kathane	Laxmikant	Dilip	Yashwantarao chauvhan college lakhandur	
Bhelau	Aishwarya	Vitthalrao	Shree.Shivaji college of science,Amravati	
Funde	Anjali	Narayan	Adarsha mahavidyalay	
Ramteke	Shital	Dilip	Yashwantrao Chavhan Art , Commerce & Science College Lakhandur	
Morkar	Urvashi	Tulashidas	Shri shivaji science	

Devkar	Rani	Balasaheb	Late pushpadevi patil art and science collage risod	
Amale	Rina	Umeshrao	Shri. Shivaji science college Amaravati	
Kharad	Sakshi	Sakshi kharad	Mahatma Jyotiba Phule bhatkuli	
kalbande	pavan	vinod	At Pushpa Devi Patil College	
Atram	Amruta	Abhiman	Shri shivaji science college amravati	
Jatav	Bheem	Singh	College of Agriculture Gwalior	
Hinge	Kirti	Anil	SGBAU	
Nargawe	Dr.	Lalita	College of Agriculture RVSKVV Gwalior Madhya Pradesh	
Dighade	Nikita	Sukhadevrao	Adarsha Science J. B. Arts and Birla Commerce Mahavidyalaya Dhamangaon Rly	
Sarnaik	Shubham	Gajananrao	Late puspadevi patil art and scienceCollege,Risod	
Wasnik	Aastha	Laxmanrao	Adarsha Science, J.B. Arts and Birla Commerce Mahavidyalaya, Dhamangaon Rly.	
Jawale	Saurabh	Nandkishor	Anand Niketan college Anandwan Warora	
Shirbhate	Vaishnavi	Gajanan	Shri Shivaji Science College Amravari	
Mohod	Shraddha	Gajanan	Mhatma jyotiba fule college bhatkuli	
Swargiye	Divya	Rameshrao	Shree Shivaji Science College Amravati	
Patel	Mayurkumar	Jagdishbhai	Sheth P T Arts and Science College, Godhara	
Khalokar	Komal	Ravindra	Shri Shivaji Science College Amravati	
Gorde	Mrunali	Gajananrao	Shri Shivaji science college amravati	
Mate	Avinash	Jaykisan	Shri shivaji science college amravati	
karmankar	Jyoti	Alachand	Gurunanak college of science ballarpur.	
Prajapati	Pinal Ben	Chandrakant	SMT. S. M. Panchal Science college, Talod	
Sao	Dhanashri	Vishnu	Shree shivaji science college amravati	
Dhokane	Siddhant	Rajendrarao	Adarsha science, J.B arts and Birla commerce mahavidyalaya dhamangaon Rly	
Deshmukh	Pranjali	Jaywant	Mahatma Fule Mahavidyalaya, Warud	
Dhawale	Snehal	Nagorao	M.s.p. college, manora	
Ingole	Basuri	Bhaskarrao	Shree Shivaji Science College, Amravati	
Dawar	Intjar	Singh	RVSKVV Gwalior MP	
NA	Usha	NA	Rvskvv	
Walde	Sakshi	Digambar	Shri. Govindrao munghate art and science college kurkheda	
KHAN	FARIYA	ASRAR	Guru Nanak college of science	
Borkar	Dipali	Hemraj	YCC. college	
Prajapati	Pinal	Chandrakant	SMT. S. M. Panchal Science college, Talod	
Patil	Rasika	Narayan	Shri Shivaji College of Arts Commerce and Science Akola	
Kumar	Amit	Nill	RVSKVV, Gwalior	
Gawande	Shraddha	Vijayrao	AMRAVATI	
Iqbal	Mohammed	Nafees	M.S.P Arts Science and KPT Commerce College Manora District Washim Maharashtra	
Bhimte	Darshna	Vasant	Yashwantrao chawhan lakhandur	

Student Registrations : Medicinal Plants Traditional Uses and Carrier Oppertunities Cycle-2 2021					
Last Name	**First Name**	**Middle Name**	**College Name/ Institute Name**		
Khan	Ramsha	Thereem	Shri Shivraj science College		
Rude	Niket	Gopal	Shri shivaji science amravati		
Yawale	Pooja	Dnyaneshwar	Shri shivaji science college		
Jadhao	Krutika	Purushottamrao	Shri shivaji science college amravati		
Wankhade	Gauri	Madhukar	Shri shivaji science college amaravti		
Sayyed	Yasmeen ali	Abdul Sattar	Shri Shivaji Science College Amravati		
Navalkar	Pratiksha	Govardhan	Shri shivaji science college amravati		
Bhoyar	Lokesh	Amardas	Vidyabharati college kurkheda		
Fuke	Rushikesh	Anil	Mahatma jothiba fule college bhatkuli		
Barwant	Mukul	Machhindra	Sanjivani Arts Commerce and Science College kopergoan Ahmednagar Maharashtra India		
Tiware	Shruti	Bhaskar	Shri Shivaji science college, Amravati		
Ingle	Simran	Babulal	Shri shivaji science college amravati		
Deshmukh	Shivani	Vijay	Shri. Shivaji Science college, Amravati.		
Zade	Sanjivani	Maroti	Sant Gadge Baba Amravati University, Amravati		
Kumar	Tinku	Kumar	Dr Harisingh Gour Central University Sagar		
Oimbe	Nikita	Sanjay	Shri.Shivaji Science College,Amaravti		
Sawarkar	Yamini	Shyamsundar	Shri Shivaji science college Amravati		
Wange	Tejas	Devidasrao	Shri Shivaji science college Amravati.		
Rokade	Nikhil	Anil	Shri Shivaji science collage amravati		
Thakare	Kanchan	Vtthalrao	Sant gadge baba Amravati University Amravati		
Khan	Salique	Ahmed	Mahatma jyotiba fule college		
Hingankar	Aishwarya	Shivshankar	Shri Shivaji Science College Amravati Maharashtra		
Shingane	Shruti	Santosh	Shri Shivaji Science College Amravati		
Rajawat	Dheerendra	Singh	Rvskvv, COA gwalior		
Tupkar	Poonam	Dilip	Shri shivaji science clg amravati		
YADAV	ABHISHEK	No middle name	College of agriculture gwalior		
Jadhao	Raj	Ganesh	Shri shivaji science college, Amravti.		
Bhusari	Pranali	Anilreo	Shri Shivaji science college amravati		
Yadav	Dharmpal	Dharmpal Yadav	College of agriculture Gwalior		
Devkar	Rani	Balasaheb	Late pushpadevi patil art and science collage risod.		
Shingane	Shruti	Santosh	Shri Shivaji Science College Amravati		
Morkar	Urvashi	Tulashidas	Shri shivaji science		
Morkar	Urvashi	Tulashidas	Shri shivaji science		
Maurya	Devanand	Maurya	Dr.Harisingh Gour University sagar		
Jadhao	Raj	Ganesh	Shri shivaji science college, Amravti		

Curriculum and Time table

Aim and Objectives:

1. To make the students aware of the novel properties of medicinal plants.
2. To make the students expert in identifying the medicinal plants available in their locality, irrespective of the field to which he/she belongs.
3. To learn to identify the most common and useful medicinal plants.
4. To build confidence of working with highly beneficial plants.
5. To make the people aware of the power of the ancient traditional folk medicines.
6. To understand the proper method of harvesting the plants while retaining their medicinal properties.
7. To conserve the medicinal plants for future use.
8. To assure students that the field of medicinal plants can be their career option.
9. To make the students aware of career opportunities through the dissemination of the correct knowledge of the medicinal plants.
10. To make the students understand the right use of medicinal plants for their health and wellbeing.

Online course on "Medicinal Plants: Traditional Uses and Career Opportunities" from 16 August 2021 to 18 September 2021.

This Medicinal Plants course was open for all UG and PG students and also teachers, we have received enormous response. This course has been more than 500 participants have registered with very enthusiastically. This remarkable response for course which has boosted our morals and encouraged us to organize similar events in future also.

Detailed time-wise course session plan

Module-1 Week 1

Role of Medicinal Plants in Human Life

Day	Topic	Speaker
1	Introduction and overview of the course	Prof. B. K. Dorkar

2	History of Indian Folk Medicines	Mr. A.N. Darsimbe
3	Importance of Plants in Ayurveda : History and Current World	Dr. T. B. Wankhede
4	Life Style Diseases and Home remedies	Dr. R. C. Maggirwar
5	Immunity and medicinal Plants	Dr. D. D. Khedakar
6	Use of wild vegetables and medicinal plants by Tribal community	Dr. G. B. Hedawoo
7	Herbal Technology	Dr. D. V. Hande

Module-2

Medicinal Plants : Description and Medicinal uses

Day	Topic	Speaker
8	*Moringa oleifera*	Prof. B. K. Dorkar
9	*Rauvolfia serpentine*	Dr. G. B. Hedawoo
10	*Murraya koenigii*	Dr. T. B. Wankhede
11	*Zingiber offincinale*	Dr. D. V. Hande
12	*Aegle marmelos*	Dr. R. C. Maggirwar
13	*Adhatoda vasica*	Dr. S. V. Pundkar
14	*Gloriosa superba*	Mr. A.N. Darsimbe
15	*Tinospora cordifolia*	Prof. B. K. Dorkar
16	*Aloe vera*	Dr. G. B. Hedawoo
17	*Hibiscus rosa-sinensis*	Dr. T. B. Wankhede
18	*Chlorophytum tuberosum*	Dr. D. V. Hande
19	*Mentha piperita*	Dr. R. C. Maggirwar
20	*Vitex negundo*	Dr. S. V. Pundkar
21	*Withania somnifera*	Mr. A.N. Darsimbe

Module-3

Applications and Career Opportunities

Day	Topic	Speaker
22	Cultivation Practice of Some Medicinal Plants	Dr. S. V. Pundkar
23	Extraction and Decoction of plant products	Dr. D. D. Khedakar
24	Grading of Plant products	Dr. D. D. Khedakar
25	Soups	Dr. R. C. Maggirwar
26	Some Ayurvedic, Pharma and Herbal beauty products	Dr. G. B. Hedawoo
27	Agro Based Industries and Medicinal firms – (Dabur, Patanjali etc)	Dr. D. D. Khedakar
28	Current Issues and Research Associated with Medicinal Plants	Mr. A.N. Darsinbe

Registration link : https://forms.gle/SDhfNGFZznLTk2G66

Telegram Link: https://t.me/joinchat/k64Ui8UpII1kYWRl

Google class code : mhrj4en

Google class Link :
https://classroom.google.com/u/1/c/MzgwMDEyODY3Nzk2#:~:text=mhrj4en

Final Examination link: https://forms.gle/KaatdLRcnqwnzcsy8

Feedback link: https://forms.gle/JP6RmD68gugvhe2g9

Program Outcome :

This course main aim the student will able to identify the medicinal plants, their medicinal uses, and career opportunities in the field of herbal medicines.

Assessment

122 students have successfully completed the course.

Certificate Copy:



Shri Shivaji Education Society, Amravati's

Shri Shivaji Science College

Shivaji Nagar, Nagpur Road, Amravati (MS)

NAAC Accredited by Grade "A" with CGPA of 3.13 (Third Cycle),
UGC Awarded Status of College with Potential for Excellence (Second Phase),
Identified by DBT, Govt of India for TEQIP and Shri Gadge Baba Amravati University, Amravati as Lead College

Affiliated to Sant Gadge Baba Amravati University, Amravati (MS) INDIA

Date: 19/09/2021

CERTIFICATE

This Certificate is awarded to

Mr Chayan Adhikari

College/Institute: Dr. Harisingh Gour Vishwavidyalaya (A Central University)

For the successful completion of the Online Value added Certificate Course on

"Medicinal Plants : Traditional Uses and Career Opportunities, Cycle-2"

as prescribed and ported by the Department of Botany

during **16th August –18th September 2021.**

His/Her performance was

Satisfactory(B)/ Good(B+)/ Excellent(A)/ **Outstanding**(A+).

Course Coordinators | Head of the Department | IQAC Coordinator | Principal

Made for free with Certify'em

Convenor

Prof. B. K. Dorkar

Course Co-ordinator

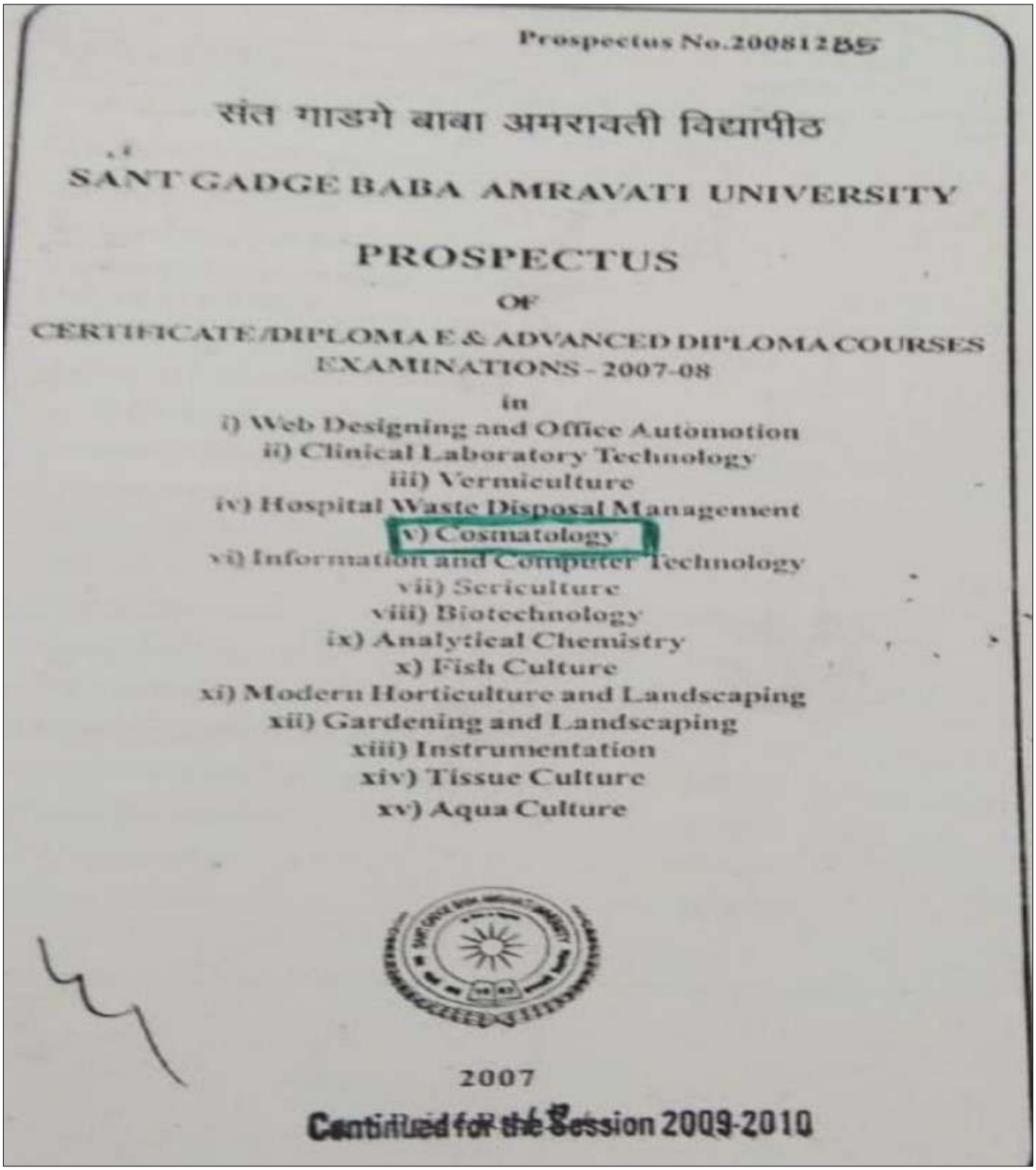
Dr. S. V. Pundkar
Mr. A. N. Darsimbe

Organizing committee member

Dr. G. B. Hedawoo
Prof. T. B. Wankhede
Prof. D. V. Hande
Prof. D. D. Khedkar
Dr. R. C. Maggirwar

Dept. of Chemistry (Cosmetology)

Name and Duration of the Program



Prospectus No.20081285

संत गाडगे बाबा अमरावती विद्यापीठ

SANT GADGE BABA AMRAVATI UNIVERSITY

PROSPECTUS

OF

CERTIFICATE/DIPLOMA E & ADVANCED DIPLOMA COURSES
EXAMINATIONS - 2007-08

in

i) Web Designing and Office Automotion
ii) Clinical Laboratory Technology
iii) Vermiculture
iv) Hospital Waste Disposal Management
v) Cosmatology
vi) Information and Computer Technology
vii) Sericulture
viii) Biotechnology
ix) Analytical Chemistry
x) Fish Culture
xi) Modern Horticulture and Landscaping
xii) Gardening and Landscaping
xiii) Instrumentation
xiv) Tissue Culture
xv) Aqua Culture

2007

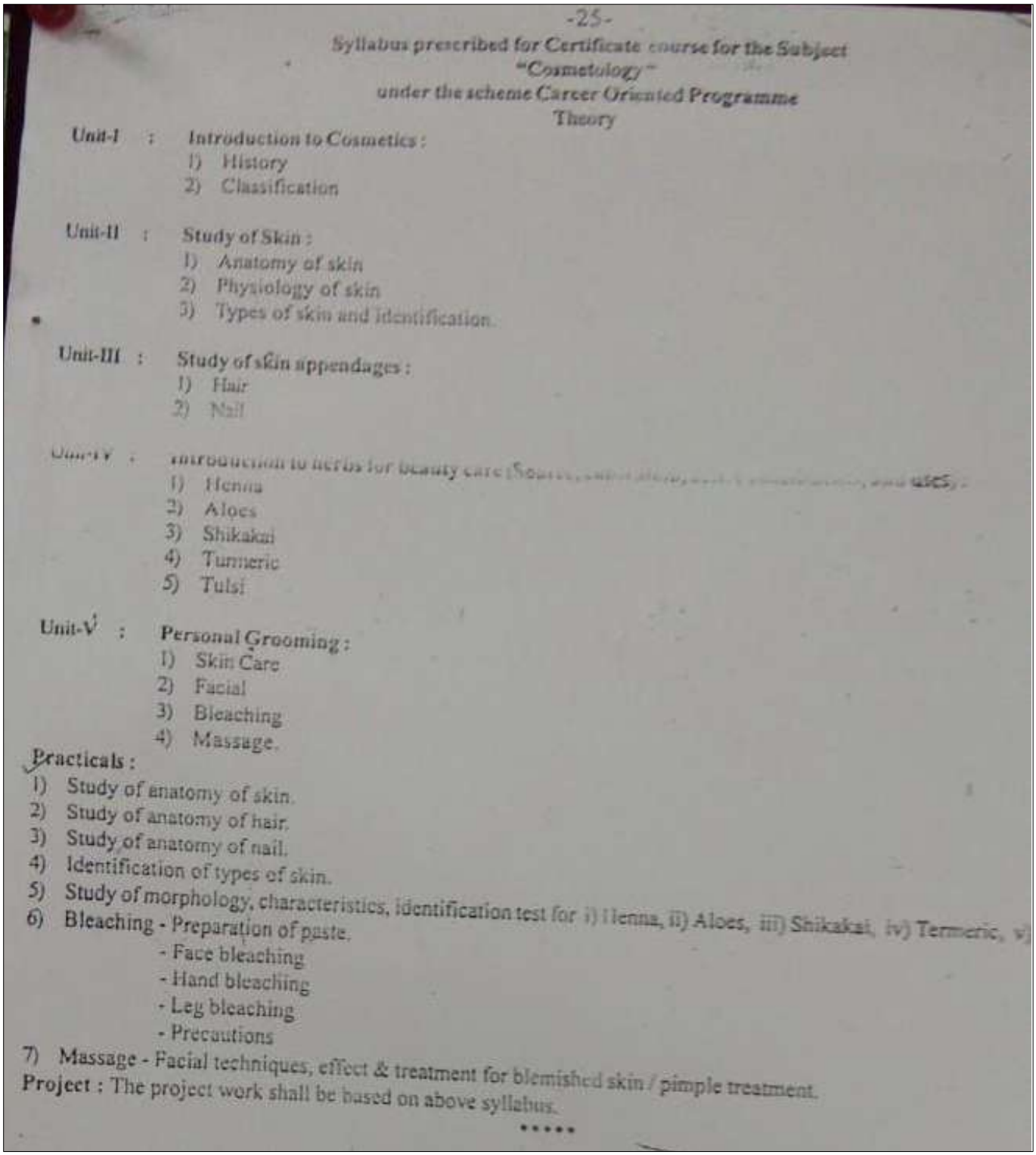
Continued for the Session 2009-2010

List of the Students Enrolled and Attendance

S.N	NAME OF THE STUDENTS
1.	Akshay P.Dhurve
2.	Ashwini M.Shahakar
3.	Bhargavi A.Narsekar
4.	Bhushan S.Belsare
5.	Dipak A.Maldhure
6.	Dnyaneshwari P.Fale
7.	Gauri R.Thakare
8.	Kalyani M.Lipte
9.	Pallavi A.Belsare
10.	Laxmi A.Gawande
11.	Mayuri P.Kavitkar
12.	Monali S.Dapurkar
13.	Monali S.Tatte
14.	Nikita D.Rewlani
15.	Nilima S.Keche
16.	Poonam G.Bakhade
17.	Pranali P.Hiwase
18.	Pravin V.Meshram
19.	Sakshi P.Thakare
20.	Sakshi R.Zade
21.	Samiksha N.Chorode
22.	Shraddha V.Werulkar
23.	Shrutika S.Wankhade
24.	Snehal.V.Mohod
25.	Tejas A.Thakare
26.	Vaishnavi K.Akolkar
27.	Vaishnavi S.Saraf
28.	Vishakha V.Tayade
29.	Samreen Surendra Bhinder
30.	Pratiksha NarendraNikalaje
31.	Diyani Gopalrao Bhojne
32.	Rutuja AvinashLokhande
33.	Hiral Subhashrao Pohokar
34.	AkanshaArvindTikhile
35.	Vanshikha RajeshPant Bansod
36.	Radhika Sanjaypant Deshmukh
37.	Apekhsa Harishchandra Dahane
38.	Janhavi Raji Amkar
39.	Snehal Pradip Wankhade

40.	Vedanti Vithhalrao Marape
41.	Riyanka Bhimrao Iwane
42.	Minasi Shamarao Maidad
43.	Chaitali Pravin Tirathkar
44.	Ankita Rajendra Surose
45.	Vrushali Dinesh Alguje
46.	Alka Ganeshrao Lute
47.	Anita Bababnl ngole
48.	Megha Ambadas Lambatkar
49.	Rita Mahadeorao Bhagat
50.	Neha Dnyneshwar Mendhe
51.	Pranita MarotraoWakpanjar
52.	Shrushti Hidenrda Patil
53.	Nidhi Niraj Bais
54.	SidhhiKunjbihariNaik
55.	Sampada RaviTalegaonkar
56.	Pratiksha DineshBarwan
57.	Snehal Gawande
58.	Pooja Krushna Gawande
59.	Meenal Gajanan Misal
60.	Ashwini Gaikwad
61.	Priya Ramchandra Kudwe
62.	Priyanka Ramchandra Kudwe
63.	Savita Mahadeorao Shingade
64.	Darshana Shankarrao Ingle
65.	Darshana Sanjay Fartade
66.	Sayali Kailas Tayade

Curriculum and Time table



-25-

Syllabus prescribed for Certificate course for the Subject
"Cosmetology"
under the scheme Career Oriented Programme
Theory

Unit-I : **Introduction to Cosmetics :**
1) History
2) Classification

Unit-II : **Study of Skin :**
1) Anatomy of skin
2) Physiology of skin
3) Types of skin and identification.

Unit-III : **Study of skin appendages :**
1) Hair
2) Nail

Unit-IV : Introduction to herbs for beauty care (Source, ... and uses).
1) Henna
2) Aloes
3) Shikakai
4) Turmeric
5) Tulsi

Unit-V : **Personal Grooming :**
1) Skin Care
2) Facial
3) Bleaching
4) Massage.

Practicals :
1) Study of anatomy of skin.
2) Study of anatomy of hair.
3) Study of anatomy of nail.
4) Identification of types of skin.
5) Study of morphology, characteristics, identification test for i) Henna, ii) Aloes, iii) Shikakai, iv) Termeric, v)
6) Bleaching - Preparation of paste.
   - Face bleaching
   - Hand bleaching
   - Leg bleaching
   - Precautions
7) Massage - Facial techniques, effect & treatment for blemished skin / pimple treatment.

Project : The project work shall be based on above syllabus.

*****

Assessment

All students have successfully completed the certificate course.



Shri Shivaji Education Society, Amravati's

SHRI SHIVAJI SCIENCE COLLEGE, AMRAVATI

Certificate Course in Cosmetology

Approved by : Sant Gadge Baba Amravati University, Amravati.

This is to certify that

Ms. _____

the within signed has successfully completed

the prescribed course of studies and passed the

Certificate Course in Cosmetology

Approved by Sant Gadge Baba Amravati University, Amravati.

in _____ division in the year _____

Place : _____

Date : _____

Course Co-ordinator
DR. ANJALI BODADE
DEPT. OF CHEMISTRY

Principal
DR. V. G. THAKARE

Summary Report and Outcome

OUTCOME OF CERTIFICATE COURSE (COC)

- Personality Development.
- Identification and use of herbs as cosmetics.
- Self Employment like Home Service/ Saloons, Training Institute.
- Awareness about homemade remedies.
- Promote research on Herbal Cosmetics.
- Helps to develop bond between mother and daughter.
- Counselling .
- Awareness about selection , use ,safety measures of cosmetics.
- Self grooming and dressing sense.
- An event, Fashion Show (Ramp Walk) is introduced in college Gathering.
- Facility of Free Training.
- Will save time and money.
- It provides skill utility in home functions.
- Learn entrepreneurship and teamwork.
- Provided skilled hands in rural areas.

OUTCOME OF DIPLOMA COURSE

- Motivation for preparation of homemade cosmetics.
- Analysis of raw materials.
- Identification of perfumes.
- Aromatherapy.

OUTCOME OF DIPLOMA COURSE

- Awareness about skincare and haircare cosmetics.
- Analysis of Cosmetics.
- Learnt safety measures of cosmetic preparations.
- Preparation of coloured cosmetics

Learning Outcomes:

Successfully placed students as Vocational Trainers through campu placement of NSQF school project in Maharashtra.

PLACEMENT DETAILS (SESSION 2020-2021)

Year	Name of the student	Placement As Vocational Trainer at Z.P. School	Consolidate Pay /Annum
2020-21	Sonu .S.Thakare	UrduSchool, Morshi	2,40,000
	AkanshaUmak	Z.P. Amravati	2,40,000
	ChaitaliKishoreDahikar	AshramShala, Harshi, Amravati	2,40,000
	Vandana Kamble	Karanja Lad	2,40,000

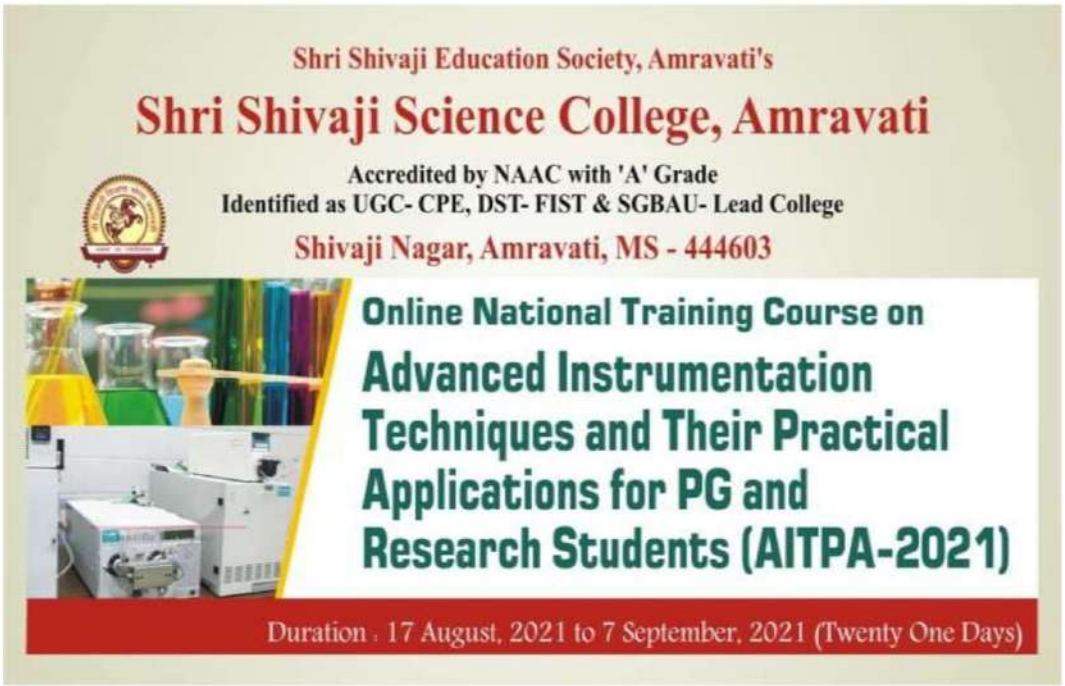
Future Plans:

Exposing students to the entrepreneurship in latest flourishing cosmetic industry.
To promote research in advanced cosmetic sector.
To provide expertise in cosmetic skill which will have more opening in service industries andself employment sector.

Dept. of Chemistry (Advanced Instrumentation Techniques and their Practical Application for PG and Research Students)

Name and Duration of the Program





To,

The Principal,

Shri Shivaji Science College Amravati

Subject: To seek permission to organize Online Training Programme on " Advanced Instrumentation and their Practical Applications for UG and PG students"

Respected sir,

With reference to the above subject I would like to request you to grant permission to organize online Training course on "Advanced Instrumentation and their Practical Applications for UG and PG students" by Department of Chemistry, Shri Shivaji Science College, Amravati from 17th August to 7th September 2021.

Thanking you

Date: 13/08/2021

Co-ordinator,

Dr Shrikant A. Wadhal

Professor,

Department of Chemistry

Permitted

Offi. Principal

Shri Shivaji Science College

Amravati.

List of the Students Enrolled and Attendance

LIST OF STUDENTS

Sr No	Name of the Participant	Name of the Institute/College	E-mail ID
1	Mr Vidit singh	University of Delhi	shaumyakumar605@gmail.com
2	Maanya Bhardwaj	Kalindi College/ University of Delhi	maanyabhardwaj2211@gmail.com
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22	Mohini V Patil	GVISH Amravati	mohinivpatil75@gmail.com
23	Pratiksha Anil Belokar	Sant Gadge Baba Amravati University, Amravati	pratikshabelokar001@gmail.com
24	Sayli Vivek Joshi	Vaidhynath College,parli.v Dist-Beed	sayliratnaparkhi13@gmail.com
25	RATHOD PRIYA SARDAR	Art's Science and Commerce Oollege Ozar (Mig)	priyarathod6452@gmail.com
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28	PRIYANKA DEEPAK SARODE	Government vidarbh institute of science and humanities amravati	priyankasarode927@gmail.com
29	Sapna Gajanan Ingle	GVISH, Amravati	Sapna11ingle@gmail.com
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31	Pratiksha Balraj Zimate	RDIK & NKD College Badnera	pratikshazimate1996@gmail.com
32	Alpesh Kirti Kothari	Govt. Vidarbha institute of science and humanities, Amravati	alpeshkothari121@gmail.com
33	Anagha Ramhari Ghurde	Department Of chemistry Sant Gadge Baba Amravati University Amravati	anaghaghurde05@gmail.com
34	Payal Kailasrao Kadu	Department of chemistry, Sant gadge baba Amaravati university ,Amravati	payalkadu22@gmail.com
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48	Vasundhara Pankaj Pawar	Sant Gadge Baba Amravati University	vasundharapawar7@gmail.com
49	Amol Sanjay Rokade	Shri Shivaji science Collage Amravati	amolrokde001@gmail.com
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89	Kiran moreshwar kapse	Santaji Mahavidyalaya,Nagpur	kirankapse022@gmail.com
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Dr.Shrikant A. Wadhal

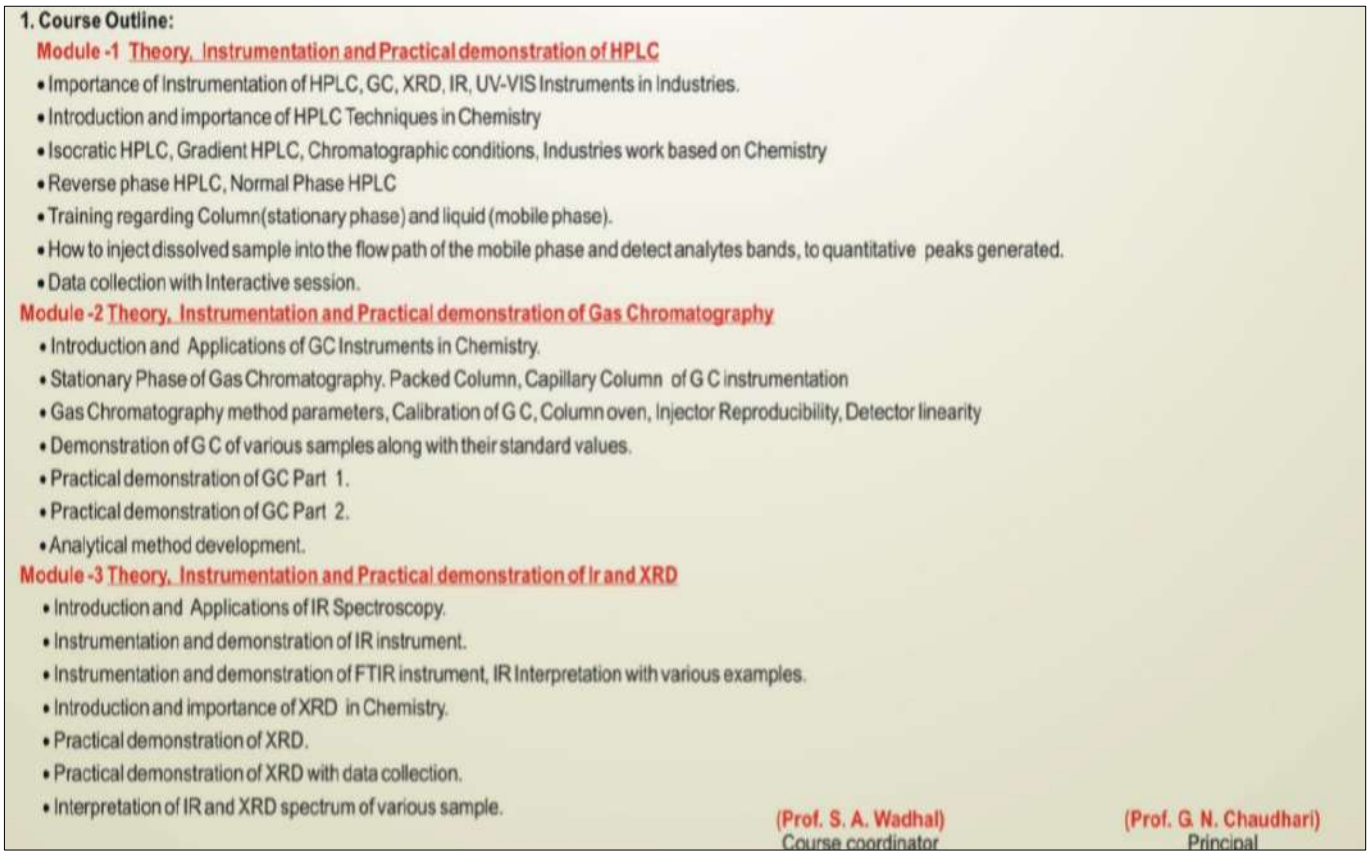
Course Coordinator

Dept. of Chemistry
Shri Shivaji Science College,
Amravati-444 605 (M.S.)

Dr. G. N. Chaudhari

Head & Principal ,

Curriculum and Time table



1. Course Outline:

Module -1 Theory, Instrumentation and Practical demonstration of HPLC

- Importance of Instrumentation of HPLC, GC, XRD, IR, UV-VIS Instruments in Industries.
- Introduction and importance of HPLC Techniques in Chemistry
- Isocratic HPLC, Gradient HPLC, Chromatographic conditions, Industries work based on Chemistry
- Reverse phase HPLC, Normal Phase HPLC
- Training regarding Column(stationary phase) and liquid (mobile phase).
- How to inject dissolved sample into the flow path of the mobile phase and detect analytes bands, to quantitative peaks generated.
- Data collection with Interactive session.

Module -2 Theory, Instrumentation and Practical demonstration of Gas Chromatography

- Introduction and Applications of GC Instruments in Chemistry.
- Stationary Phase of Gas Chromatography. Packed Column, Capillary Column of G C instrumentation
- Gas Chromatography method parameters, Calibration of G C, Column oven, Injector Reproducibility, Detector linearity
- Demonstration of G C of various samples along with their standard values.
- Practical demonstration of GC Part 1.
- Practical demonstration of GC Part 2.
- Analytical method development.

Module -3 Theory, Instrumentation and Practical demonstration of Ir and XRD

- Introduction and Applications of IR Spectroscopy.
- Instrumentation and demonstration of IR instrument.
- Instrumentation and demonstration of FTIR instrument, IR Interpretation with various examples.
- Introduction and importance of XRD in Chemistry.
- Practical demonstration of XRD.
- Practical demonstration of XRD with data collection.
- Interpretation of IR and XRD spectrum of various sample.

(Prof. S. A. Wadhal) Course coordinator

(Prof. G. N. Chaudhari) Principal

Module : 1

Day	Topic	Assessment
Day - 1	Importance of Instrumentation of HPLC, GC, XRD, IR, UV-VIS Instruments in Industries.	Assignment
Day - 2	Introduction and importance of HPLC Techniques in Chemistry	Assignment
Day - 3	Isocratic HPLC, Gradient HPLC, Chromatographic conditions, Industries work based on Chemistry, Reverse phase HPLC, Normal Phase HPLC	Quiz
Day - 4	Training regarding Column(stationary phase) and liquid (mobile phase)	Assignment
Day - 5	How to inject dissolved sample into the flow path of the mobile phase and detect analytes bands, to quantitative peaks generated	Quiz
Day - 6	Theory & instrumentation of AAS,	Assignment
Day - 7	Data collection with Interactive session	Assignment

Module : 2

Day	Topic	Assessment
Day - 8	Introduction and Applications of GC Instruments in Chemistry	Assignment
Day - 9	Stationary Phase of Gas Chromatography. Packed Column, Capillary Column of G C instrumentation Demonstration of G C of various samples	Assignment
Day - 10	Gas Chromatography method parameters, Calibration of G C, Column oven, Injector Reproducibility, Detector linearity	Quiz
Day - 11	Practical demonstration of GC Part 1	Assignment
Day - 12	Practical demonstration of GC Part 2	Quiz
Day - 13	Analytical method development	Assignment
Day - 14	Theory & Practical Demonstration of ICP-OES	Assignment

Module : 3

Day	Topic	Assessment
Day - 15	Introduction, Applications & Instrumentation & demonstration of IR Spectroscopy	Assignment
Day - 16	Introduction of Applications of UV-Visible Instruments in Chemistry	Assignment
Day - 17	Practical demonstration of UV-Visible spectrophotometer	Quiz
Day - 18	Practical demonstration on Determination of water content by Karl Fischer instrument.& UV Diffraction equipment	Assignment
Day - 19	Introduction, importance & demonstration of XRD in Chemistry	Quiz
Day - 20	Practical demonstration of XRD with data collection Interpretation of IR and XRD spectrum of various sample	Assignment
Day - 21	Final Examination and Valedictory session	

Assessment

RESULT (AITPA-2021)

(Out of 154 participants 108 participants qualified this course. The list of successful candidates with grade scored.)

(Grade A+ : Outstanding, A: Good, B: Satisfactory)

Sr No	Name of the Participant	Name of the Institute/College	E-mail ID	% scored	Grade
1	Mr Vidit singh	University of Delhi	shaumyakumar605@gmail.com	68	A
2	Maanya Bhardwaj	Kalindi College/ University of Delhi	maanyabhardwaj2211@gmail.com	84	A+
3	Rajneesh Kumar	University of Delhi	rajneeshkumar9458@gmail.com	89	A+
4	Ms. Monika Tejram Waikar	Nabira Mahavidyalaya Katol	awaikar223@gmail.com	86	A+
5	Faijan Khan	University of Delhi	d.f.khan447@gmail.com	70	A
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7	Pranjali Manik Pawar	Phulsing Naik Mahavidyalaya Pusad	pranjug10@gmail.com	90	A+
8	Najiya harun maniyar	KPG college Igatpuri, Nashik	najiyamaniyar9@gmail.com	87	A+
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Shri Shivaji Education Society, Amravati's

Shri Shivaji Science College, Amravati

Shivaji Nagar, Morshi Road, Amravati (MS)

NAAC Accredited by Grade 'A' with CGPA of 3.13 (Third Cycle), UGC Awarded Status of College with Potential for Excellence (Second Phase)
Identified by DST, Govt. of India for FIST and Sant Gadge Baba Amravati University, Amravati as Lead College

Online Three Week National Training Course on
"Advanced Instrumentation Techniques and Their Practical Applications for PG and Research students"

Duration : 17th August, 2021 to 7th September, 2021

CERTIFICATE

This certificate is awarded to

MAANYA BHARDWAJ

Position : PG Student **Affiliation** : **Kalindi College, University of Delhi**

For the successful completion of the Online Three Week National Training Course on
"Advanced Instrumentation Techniques and Their Practical Applications for PG and Research students"
as prescribed and ported by Department of Chemistry during 17th August, 2021 to 7th September, 2021. He/She has successfully completed this online practical training course with practical and theoretical knowledge of IR, UV-VIS, GC, HPLC, GCMS, UV-DRS, ATOMIC ABSORPTION SPECTROPHOTOMETER, ICP-OES INSTRUMENTATION with **A+** *grade.*

Sawadhal
Dr. Shrikant A. Wadhal
Course Co-oridnator

Prof. Dr. G. N. Chaudhari
Principal

Summary Report and Outcome

Online Three Week National Training Course on

"Advanced Instrumentation Techniques and Their Practical Applications for PG and Research Students"

(Duration: 17 August 2021 to 7 September 2021)

Organized by Department of Chemistry,

Value Based Course (AITPA-2021)

OUTCOMES OF COURSE

The market has many high paying jobs and candidates need the skill to get them. Every company, Government and public testing labs is looking for talented individual for different technical role. Now a day candidates with core analytical skills, sound knowledge and practical significance and troubleshooting of different sophisticated analytical instruments are appreciated and required by all the research, manufacturing, processing and contract manufacturing industries as well as government & public testing labs.

1. This job oriented course designed to give huge scope and ample opportunities in Food Industries, pharmaceuticals Industries.
2. This course is beneficial to give ample opportunities in Agrochemicals Industries, fine chemicals, cosmetics, oil and paints perfumery, beverages, rubbers, plastics Industries
3. This course is applicable in clinical research, forensic, public testing labs, etc.
4. Candidates with the core analytical skill of different sophisticated analytical instruments can set up their own testing laboratories also.

Dept. of Chemistry (Online Value-added course on "Chemical Handling and Laboratory Safety)

Name and Duration of the Program

To,
The Principal,
Shri Shivaji Science College,
Amravati

Subject: To seek permission to organize Online Value Based Course on "**Chemical Handling and Laboratory Safety**" for UG and PG students

Respected sir,

With reference to the above subject I would like to request you for the approval / permission to start online Value Based Course on "Chemical Handling and Laboratory Safety" for UG and PG students by Department of Chemistry, Shri Shivaji Science College, Amravati from 20th August to 6th September 2021.

Thanking you

Date: 13/08/2021

Co-ordinator,
Dr Harshali G. Wankhade
Assistant Professor,
Department of Chemistry

Permitted

ONLINE VALUE BASED COURSE ON "CHEMICAL HANDLING AND LABORATORY SAFETY"

FOR UG AND PG STUDENTS OF CHEMISTRY

Duration : 20TH AUGUST TO – 6TH SEPTEMBER 2021



Open to: UG and PG students offering Chemistry

Online meeting platform: Zoom / Google Classroom
Registration fee: Nil
Last date for applying: 19TH August 2021

List of the Students Enrolled and Attendance

4	Ms. Vaidehi Sandip Dawande	B. Sc. I	PCM	7247656160
5	Ms. Kalyani Ravindra Bhandarkar	B. Sc. I	PCM	8010810317
6	Ms. Vaishnavi Suresh Saraf	M.Sc. I	Chemistry	7507139477
7	Mr. NILESH KESHAVARAO PATIL	M. Sc. II	Chemistry	9970397053
8	Ms. Radhika Sukhdeo Jakhotiya	M. Sc. II	Chemistry	9404856676
9	Mr. Kuldip Ranjit Ingle	M. Sc. II	Chemistry	7028666716
10	Ms. Shrutika Sanjayrao Wankhade	M.Sc. I	Chemistry	7249328483
11	Ms. Kajal Sunil Meshram	B. Sc. I	PHG	9322500131
12	Ms. Vaishnavi Sudhakarrao Wankhade	M. Sc. II	Chemistry	7775986121
13	Ms. Bhargavi Anant Narsekar	M.Sc. I	Chemistry	8830292751
14	Mr. Ayush Madhukar Fusey	B. Sc. I	PCM	7820817339
15	Ms. Anushree Ambadas Sable	M. Sc. II	Chemistry	9623753465
16	Ms. Vaishnavi Prafullrao Asare	M. Sc. II	Chemistry	8600598068
17	Ms. Shrutika Sanjayrao Wankhade	M.Sc. I	Chemistry	7249328483
18	Ms. Janhvi Bhaurao Malode	M. Sc. II	Chemistry	8623057963
19	Ms. Sakshi Manoj Gawande	M. Sc. II	Chemistry	9767164346
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29	Mr. Pravin Vilasrao Meshram	M.Sc. I	Chemistry	9834098133
30	Mrs, Kiran Umesh Pohekar	B. Sc. I	PCM	7620346089
31	Ms. KANCHAN RAJESH SONI	B. Sc. I	BIO	9172973189
32	Ms. Kiran Umesh Pohekar	B. Sc. I	PCM	7620346089

33	Mr. Syed Zaid Syed Parvez Ali	M. Sc. II	Chemistry	7387324482
34	Mr. Akshay Prabhakarrao Dhurve	M.Sc. I	Chemistry	7745021937
35	Mr. SWAMI AMAR DESHMUKH	B. Sc. I	PHG	8459268059
36	Ms. Dipti Diliprao Gaurkhede	M. Sc. II	Chemistry	8600585369
37	Ms. Prachi Ajabrao Bhagat	B. Sc. I	PCM	9607354001
38	Ms. Prerna Vasanta Gajewar	B. Sc. I	PCM	7248993844
39	Ms. Janhavi Kundan Pande	B. Sc. I	PCM	9067175587
40	Ms. Vaishali Vijay Kemekar	B. Sc. I	BIO	8767248495
41	Ms. Gayatri Gajanan Harne	M. Sc. II	Chemistry	7038308378
42	Ms. Priyanka Deepak Sarode	M. Sc. II	Chemistry	8625023289
43	Ms. Sapna Gajanan Ingle	M. Sc. II	Chemistry	9922086292
44	Ms. Priyanka Manohar Sawalkar	M. Sc. II	Chemistry	7559345431
45	Ms. Vishakha Vijay Tayade	M.Sc. I	Chemistry	9970997318
46	Mr. Alpesh Kirti Kothari	M. Sc. II	Chemistry	7620674895
47	Ms. Shraddha Vilasrao Werulkar	M.Sc. I	Chemistry	8669760079
48	Ms. Shamli Sanjayrao Shelke	M. Sc. II	Chemistry	8390698743
49	Ms. Dnyaneshwari Pramodrao Fale	M.Sc. I	Chemistry	9075377573
50	Ms. Saksh Rajendra Zade	M.Sc. I	Chemistry	7769903168
51	Mr. Prathamesh Jayant Deshpande	M. Sc. II	Chemistry	8600456437
52	Mr. DIVESH GAJANAN MATE	B. Sc. III	Chemistry	9834276636
53	Ms. Nikita Dipakumar Rewlani	M.Sc. I	Chemistry	7620662059
54	Ms. Ayushi Kashiram Bhilawekar	B. Sc. I	PCM	9022246354
55	Ms. Gauri Sanjayrao Dhonde	B. Sc. I	PCM	7972479603
56	Ms. Shivani Krishnakant Pandey	M. Sc. II	Chemistry	9673255593
57	Ms. Apeksha Bapuraoji Talan	B. Sc. I	PHG	8605573049
58	Ms. Pranjali Pramod Meshram	B. Sc. I	PCM	9689461615
59	Ms. Aachal Tulsidas Sawwalakhe	M. Sc. II	Chemistry	7775892156
60	Mr. Pradip Babusing Chavhan	B. Sc. I	PCM	9370355919
61	Ms. Nandini Panditrao Keche	M. Sc. II	Chemistry	9527962332

62	Ms. Nabila Mahewish Samiullah Khan	B. Sc. I	PCM	9860374722
63	Mr. Abhijit Sunil Dhande	B. Sc. I	PHG	9067928122
64	Mr. Rohit Jayaram Dhikar	B. Sc. I	PHG	8010727982
65	Ms. Rameshwari Rameshrao Nimbhorkar	M. Sc. II	Chemistry	9067490280
66	Mr. Ketan Harishchandra Gadhave	B. Sc. I	PCM	9359616915
67	Mr. Pradip Babusing Chavhan	B. Sc. I	PCM	9370355919
68	Mr. Abhijeet Sunil Tayade	B. Sc. I	PHG	8999521185
69	Ms. Shveta Ramdas Kakade	B. Sc. I	PCM	9370778243
70	Mr. Anuj Rameshwar Ingle	B. Sc. I	PCM	9356381650
71	Mr. shivam Suresh salunke	B. Sc. II	Chemistry	9307715903
72	Ms. Kshitija Suresh Chimote	B. Sc. II	Chemistry	7741972421
73	Ms. Amisha Hemant Bangde	B. Sc. II	BIO	7038986998
74	Ms. Vishakha Vinayakrao Ambhore	B. Sc. II	Chemistry	9112021706
75	Mr. Ayush Sanjay Bopche	B. Sc. II	Chemistry	7517812814
76	Ms. Vedanti Sunil chawande	B. Sc. II	Chemistry	7262862558
77	Ms. Dhanshri Ravikant Bhukte	B. Sc. I	Chemistry	6268415150
78	Ms. Kalyani Marotrao Datir	B. Sc. I	Chemistry	9561998213
79	Ms. Tanuja Vilasrao Raut	B. Vocational	Forensic	9730716337
80	Ms. Pranoti Ashvin Gudadhe	B. Vocational	Forensic	8767430233
81	Mr. Aditya Anilrao Vaidya	B. Vocational	Forensic	9175595258
82	Ms. Kshitija Bharat Masaladi	B. Vocational	Forensic	9923109054
83	Ms. Vaishnavi Vijay Bhakare	B. Sc. I	Forensic	9075039878
84	Ms. Tejaswini Mohan Bhumbar	B. Vocational	Forensic	8767180726
85	Ms. Pradnya Ashokrao Solanke	B. Vocational	Forensic	9604102463
86	Ms. Anjali Vijayrao Moghe	B. Vocational	Forensic	8412803118
87	Ms. Durgeshwari Gajanan Sawai	B. Vocational	Forensic	9764481318
88	Ms. Ashvini Sanjay Thorat	B. Vocational	Forensic	9665972400
89	Ms. Gauri Moreshwarrao Nemade	B. Vocational	Forensic	7385638409
90	Ms. Nandini Krushanrao Wasule	B. Vocational	Forensic	7517517670

91	Ms. Sanjana Vinod Dudhe	B. Vocational	Forensic	8605819926
92	Ms. Pradnya Ashokrao Solanke	B. Vocational	Forensic	9604102463
93	Ms. Dhanshri Ravikant Bhukte	B. Vocational	Forensic	6268415150
94	Ms. Gauri Vijay Maske	B. Vocational	Forensic	7888006970
95	Ms. Nandini Krushanrao Wasule	B. Vocational	Forensic	7517517670
96	Ms. Radhika Gajanan Gaynar	B. Vocational	Forensic	9022751495
97	Ms. Prapti Babulal Khandekar	B. Vocational	Forensic	8788864274
98	Ms. Kalyani Marotrao Datir	B. Vocational	Chemistry	9561998213
99	Ms. Yashika Nandlal Lalwani	B. Vocational	Forensic	7058991071
100	Ms. Rashmi Pradiprao Manjare	B. Vocational	Forensic	9370764060
101	Mr. Sushil Santosh Matode	B. Vocational	Forensic	9373341791
102	Ms. Dipika Ashok Jambhulkar	B. Vocational	Forensic	9307790611
103	Ms. Nida kawasar Salyyad Jamir	B. Vocational	Forensic	7620318425
104	Mr. Sudhanshu Milind Dakre	B. Sc. I	PCM	7796003882
105	Ms. Rashmi Pradiprao Manjare	B. Vocational	Forensic	9370764060
106	Ms. Komal Sharad Kalmegh	B. Vocational	Forensic	7397933183
107	Mr. Abdul Muzammil Abdul Farooque.	B. Vocational	Forensic	9975026163
108	Ms. Komal Sharad Kalmegh	B. Vocational	Forensic	7397933183
109	Ms. Aishwaraya Ajay Pawar	B. Vocational	Forensic	9322945445
110	Ms. Nikita Sharad Bhatkulkar	B. Vocational	Forensic	9172073125
111	Ms. Janhvi Durgasingh Ruhilan	B. Vocational	Forensic	8767442144
112	Ms. Nikita Sharad Bhatkulkar	B. Vocational	Forensic	9172073125
113	Ms. Samruddhi Prakash Raulkar	B. Vocational	Forensic	7058986281
114	Ms. Samiksha Shrikrushna Gowardipe	B. Sc. I	PHG	9356519258
115	Ms. Shradha Manish Ulhe	B. Vocational	Forensic	8857046713
116	Mr. Akash Bhanudas Augad	B. Sc. II	Forensic	9422610714
117	Mrs. Devashree Ravindra Surjuse	B. Sc. I	Forensic	7756044635
118	Ms. Pragati Shivkumar Jaiswal	B. Vocational	Forensic	7058523902
119	Ms. Veena Gangadhar Kamble	B. Vocational	Forensic	8806937587

120	Mr. vivek Sanjay Gaikwad	B. Sc. I	PHG	8080885767
121	Mr. Tushar Shyam Pawar	B. Vocational	Forensic	7083268917
122	Ms. Trupti santosh shelke	B. Sc. I	PCM	9356692408
123	Ms. Yugarani Sanjay Kusare	B. Vocational	Forensic	8767879358
124	Mrs. Riya Udayrao Deshmukh	B. Vocational	Forensic	9975992986
125	Ms. Amisha Liladhar Jamdar	B. Sc. I	PCM	7499688078
126	Ms. Nandini Dinesh Jadhao	B. Vocational	Forensic	8080407127
127	Ms. Saloni Suryakant Bondarkar	B. Sc. I	Forensic	8626091969
128	Mrs. Vipul Vinodrao Bhujade	B. Vocational	Chemistry	8698261251
129	Ms. Saloni Suryakant Bondarkar	B. Sc. I	Forensic	8626091969
130	Mrs. Shruti Gajanan Zodpe	B. Vocational	Forensic	8010715392
131	Ms. Pallavi Shankar Bhumbar	B. Vocational	Forensic	8625875061
132	Mr. Siddesh Shridhar Yerawar	B. Vocational	Forensic	8668711533
133	Ms. Gayatri Jaysing More	B. Vocational	Forensic	9921027008
134	Ms. Rutuja Rajendra Junghare	B. Vocational	Forensic	8530209147
135	Ms. Avanti Prashant Kale	B. Vocational	Forensic	7796689687
136	Mr. Himanshu Anil Tagare	B. Vocational	Forensic	7264873933
137	Ms. Gauri Ajayrao Deshmukh	B. Sc. I	Forensic	9359765415
138	Mrs. Devashree Ravindra Surjuse	B. Vocational	Forensic	7756044635
139	Mr. Rushikesh Sahadeo Shende	B. Vocational	Forensic	9763770772
140	Ms. Vaishnavi Anilrao Wakode	B. Vocational	Forensic	8806590527
141	Ms. Shraddha Ravindra Ingole	B. Sc. I	PCM	9423562399
142	Mr. Prathamesh Anil Kogade	B. Vocational	Forensic	7709407628
143	Ms. Tejaswini Vijay Pundkar	B. Vocational	Forensic	9860407368
144	Ms. Shraddha Manoj Thakare	B. Vocational	Forensic	8600495797
145	Ms. Riya Anil Yerkar	B. Sc. I	PCM	9322147809
146	Ms. Srushti Deepak Sawarkar	B. Sc. I	Forensic	9561308861
147	Mr. Yash Gajanan Badre	B. Vocational	Forensic	8010428108
148	Ms. RUTUJA PRABHAKAR MEHESHRE	B. Vocational	Forensic	9764022575

149	Mr. Yash Gajanan Badre	B. Vocational	Forensic	8010428108
150	Ms. Mitali Nandkishor Sharma	B. Vocational	Forensic	9307743998
151	Ms. Pranjali Pramod Meshram	B. Sc. I	PCM	9689461615
152	Ms. Kirti Ashokrao Solanke	B. Vocational	Forensic	7719803315
153	Mr. Anjali Ravindra Surve	M. Sc. II	Chemistry	7020005454
154	Mr. Anjali Ravindra surve	M. Sc. II	Chemistry	7020005454
155	Ms. Unnati Baburao Dhakade	B. Vocational	Forensic	9130927331
156	Ms. Namita Sahebrao Tank	B. Vocational	Forensic	7499081439
157	Ms. Samiksha Shrikrushna Gowardipe	B. Sc. I	PHG	9356519258
158	Mr. Bhushan Shrikrushna Belsare	M.Sc. I	Chemistry	9970974682
159	Mr. Vipul Vinodrao Bhujade	B. Vocational	Forensic	8698261251
160	Mr. Ravikiran Mungaji Bethekar	B. Sc. I	PCM	8308109034
161	Ms. Sujata Ganeshrao Titare	M. Sc. II	Chemistry	7066377670
162	Ms. Akanksha Ganesh Band	B. Sc. I	PCM	9356328448
163	Ms. Akanksha Ravindra Nathe	B. Sc. I	BIO	7020640248
164	Mr. Rohan Tryambak Raut	B. Sc. III	PCM	9765666783
165	Ms. Prachi Gajanan Deshmukh	B. Sc. I	BIO	8668810002
166	Ms. Arpita Rajivrao Zade	B. Sc. I	BIO	8806667351
167	Ms. Sony Mahiwal Mohammad Samim Ansari	B. Sc. I	BIO	8421376608
168	Ms. Shruti Bhaskar Tiware	B. Sc. I	BIO	9763122902
169	Mr. Prasad Omprakash Parekar	M. Sc. II	Chemistry	7767909464
170	Ms. Arati Digambar Borude	M. Sc. II	Chemistry	8600973833

Curriculum and Time table

SCHEDULE

Week 1

Session	Time	Date	Topic	Name of the Speaker
12:30 – 1:00 PM		20th August 2021	Inauguration	
Session I	1:00 – 1:30 PM		Introduction to laboratory safety	R. D. Bankar
1:30 – 2:00 PM			Discussion	
2:00 – 2:30 PM			Quiz I	
Session I	12:30 – 1:15 PM	21st August 2021	Introduction & Handling of glassware	Dr. N. A. Kalambe
Session II	1:15 – 2:00 PM		Precaution to be taken while performing titrations	
2:00 – 2:30 PM			Quiz II	
12:00 PM		22nd August 2021	Assignment I	

Week 2

Session	Time	Date	Topic	Name of the Speaker
Session I	12:30 – 1:15 PM	23rd August 2021	Solution preparation	Dr. H. G. Wankhade
Session II	1:15 – 2:00 PM		Handling of electronic balance	
2:00 – 2:30 PM			Quiz III	
Session I	12:30 – 1:15 PM	24th August	Handling of benzene and its derivatives	Dr. V. R. Kinhikar
Session II	1:15 – 2:00 PM	2021	Refractometry	Dr. A. S. Burghate
2:00 – 2:30 PM			Quiz IV	
Session I	12:30 – 1:15 PM	25th August	Introduction to solvents	Dr. N. R. Thakare
Session II	1:15 – 2:00 PM		Handling of solvents	
2:00 – 2:30 PM		2021	Quiz V	
Session I	12:30 – 1:15 PM	26th August 2021	Introduction to toxic metals used in laboratory	Dr. N. H. Bansod
Session II	1:15 – 2:00 PM		Handling of toxic metals in laboratory	
2:00 – 2:30 PM			Quiz VI	
Session I	12:30 – 1:15 PM	27th August 2021	Introduction to acid and bases	Dr. P. R. Mandlik
Session II	1:15 – 2:00 PM		Corrosive properties of acid	
			Handling of strong acid	
2:00 – 2:30 PM			Quiz VII	
Session I	12:30 – 1:15 PM	28th August 2021	Handling of bromine in laboratory	Dr. A. B. Bodade
Session II	1:15 – 2:00 PM		Handling of phenol and its derivatives in laboratory	Dr. S. P. Ingoe
2:00 – 2:30 PM			Quiz VIII	
12:00 PM		29th August 2021	Assignment II	

Week 3

Session	Time	Date	Topic	Name of the Speaker
Session I	12:30 – 1:15 PM	30th August 2021	Introduction to electrodes & Salt bridge	Dr. Y. S. Thakare
Session II	1:15 – 2:00 PM		Handling and calibration of pH meter	
2:00 – 2:30 PM			Quiz IX	
Session I	12:30 – 1:15 PM	31st August 2021	Handling of gaseous evolution during synthesis	Dr. V. B. Khobragade
Session II	1:15 – 2:00 PM		Introduction to reagents	R. D. Bankar
2:00 – 2:30 PM			Quiz X	
Session I	12:30 – 1:15 PM	1st September 2021	Corrosive properties of bases	Dr. P. R. Mandlik
Session II	1:15 – 2:00 PM		Handling of strong bases	
2:00 – 2:30 PM			Quiz XI	
Session I	12:30 – 1:15 PM	2nd September 2021	Handling and calibration of potentiometer meter	Dr. S. P. Ingole
Session II	1:15 – 2:00 PM		Precaution to taken during organic synthesis & use of Microscale technique in practical	Dr. S. A. Wadhal
2:00 – 2:30 PM			Quiz XII	
Session I	12:30 – 1:15 PM	3rd September 2021	Handling and calibration of colorimeter	Dr. P. R. Padole
Session II	1:15 – 2:00 PM		Handling and calibration of spectrophotometer	Dr. S. A. Wadhal
2:00 – 2:30 PM			Quiz XIII	
Session I	12:30 – 1:15 PM	4th September 2021	Solvent extraction & Seperation technique	Dr. V. B. Khobragade
Session II	1:15 – 2:00 PM		Study of physic-chemical parameter- Viscometer & Stalagnometer	Dr. S. K. Rithe
2:00 – 2:30 PM			Quiz XIV	
12:00 PM		5th September 2021	Final Examination	
2:00 PM		6th September 2021	Valedictory	

Assessment

Name	Class	%	Grade
Mr Prathamesh Jayant Deshpande	M. Sc. II	27.5	D
Ms KANCHAN RAJESH SONI	B. Sc. I	65	B+
Ms Kajal Sunil Meshram	B. Sc. I	62.5	B+
Ms Anjali Vijayrao Moghe	B. Vocational	37.5	C
Ms Kajal Sunil Meshram	B. Sc. I	95	A+
Ms Priyanka Manohar Sawalkar	M. Sc. II	100	A+
Ms Radhika Sukhdeo Jakhotiya	M. Sc. II	67.5	B+
Ms Yashika Nandlal Lalwani	B. Vocational	87.5	A
Ms Kiran Umesh Pohekar	B. Sc. I	65	B+
Ms Kshitija Bharat Masaladi	B. Vocational	80	A
Ms Sapna Gajanan Ingle	M. Sc. II	82.5	A
Ms Priyanka Deepak Sarode	M. Sc. II	80	A
Mr Alpesh Kirti Kothari	M. Sc. II	77.5	A
Ms Poonam Gajananrao Bakhade	M.Sc. I	45	C+
Ms Prerna Vasanta Gajewar	B. Sc. I	72.5	B+
Ms Gauri Ajay Deshmukh	B. Vocational	70	B+
Ms Shruti Purushottam Pakade	B. Sc. I	75	A
Ms Kalyani Ravindra Bhandarkar	B. Sc. I	75	A
Ms Vaishali Vijay Kemekar	B. Sc. I	42.5	C+
Ms Vaidehi Sandip Dawande	B. Sc. I	67.5	B+
Ms Anushree Ambadas Sable	M. Sc. II	62.5	B+
Ms Vaidehi Sandip Dawande	B. Sc. I	82.5	A
Ms Vedanti Sunil chawande	B. Vocational	75	A
Ms Durgeshwari Gajanan Sawai	B. Vocational	70	B+
Ms Mitali Nandkishor Sharma	B. Vocational	77.5	A
Ms Sakshi Manoj Gawande	M. Sc. II	62.5	B+
Ms Meena Ambadas Sable	M. Sc. II	95	A+
Ms Vaishnavi Sudhakarrao Wankhade	M. Sc. II	80	A
Ms Prachi Ajabrao Bhagat	B. Sc. I	70	B+
Ms Dhanshri Ravikant Bhukte	B. Vocational	75	A
Ms Vaishnavi Suresh Saraf	M.Sc. I	85	A
Ms Prajkta Vilas Gaikwad	M. Sc. II	72.5	B+
Mr Akshay Prabhakarrao Dhurve	M.Sc. I	62.5	B+
Ms Arati Ravsaheb Pagare	M.Sc. I	57.5	B
Mr Himanshu Dipak Kale	M.Sc. I	67.5	B+
Ms Vaishnavi Sudhakarrao Wankhade	M. Sc. II	97.5	A+
Mr Amol Sanjay Rokade	M. Sc. II	67.5	B+
Ms Samiksha Shrikrushna Gowardipe	B. Sc. I	65	B+
Mr SWAMI AMAR DESHMUKH	B. Sc. I	82.5	A
Ms Durgeshwari Gajanan Sawai	B. Vocational	90	A+
Ms Arati Ravsaheb Pagare	M.Sc. I	82.5	A
Mr NILESH KESHAVARAO PATIL	M. Sc. II	95	A+
Mr Sachin Rameshrao Chavhan	B. Sc. I	70	B+
Ms Aachal Tulsidas Sawwalakhe	M. Sc. II	77.5	A
Mrs Rashmi Pradiprao Manjare	B. Vocational	67.5	B+

Ms Tanuja Vilasrao Raut	B. Vocational	50	B
Ms Gauri Sanjayrao Dhonde	B. Sc. I	100	A+
Mr Shivam Suresh salunke	B. Vocational	50	B
Mr Dipak Avinash Maldhure	M.Sc. I	72.5	B+
Ms Nabila Mahewish Samiullah Khan	B. Sc. I	82.5	A
Ms Shveta Ramdas Kakade	B. Sc. I	87.5	A
Ms Pradnya Ashokrao Solanke	B. Vocational	70	B+
Ms Trupti Santosh Shelke	B. Sc. I	85	A
Ms Riya Anil Yerkar	B. Sc. I	82.5	A
Ms Nida kawasar Jamir Saiyyad	B. Vocational	77.5	A
Ms Prajakta Gajanan Badarkhe	M. Sc. II	82.5	A
Ms Dipika Ashok Jambhulkar	B. Vocational	97.5	A+
Ms Samruddhi Prakash Raulkar	B. Vocational	100	A+
Mr Sudhanshu Milind Dakre	B. Vocational	100	A+
Ms Yugarani Sanjay Kusare	B. Vocational	100	A+
Mr Yash Gajanan Badre	B. Vocational	70	B+
Ms Samiksha Natthuji Chorode	M.Sc. I	87.5	A
Ms Aishwaraya Ajay Pawar	B. Vocational	95	A+
Ms Ayushi Kashiram Bhilawekar	B. Sc. I	85	A
Mr Yash Gajanan Badre	B. Vocational	95	A+
Ms Shamli Sanjayrao Shelke	M. Sc. II	77.5	A
Ms Kajal Prabhuji Isad	M. Sc. II	67.5	B+
Ms Namita Sahebrao Tank	B. Vocational	52.5	B
Ms Tejaswini Mohanrao Bhumbar	B. Vocational	100	A+
Mr Pravin Vilasrao Meshram	M.Sc. I	75	A
Ms Gayatri Jaysing More	B. Vocational	62.5	B+
Mr Himanshu Anil Tagare	B. Vocational	65	B+
Mr Vipul Vinodrao Bhujade	B. Vocational	97.5	A+
Mr Kuldip Ranjit Ingle	M. Sc. II	100	A+
Ms Gauri Moreshwarrao Nemade	B. Vocational	100	A+
Mr Alpesh Kirti Kothari	M. Sc. II	90	A+
Ms Kalyani Marotrao Datir	B. Vocational	97.5	A+
Ms Monali Sanjayrao Dapurkar	M.Sc. I	100	A+
Ms Vaishnavi Vijay Bhakare	B. Vocational	85	A
Mr Rushikesh Sahadeo Shende	B. Vocational	100	A+
Ms Gauri Vijay Maske	B. Vocational	100	A+
Mr Sushil Santosh Matode	B. Vocational	100	A+
Mr Aditya Anilrao Vaidya	B. Vocational	100	A+
Ms Ashwini Manohar Shahakar	M.Sc. I	100	A+
Ms Pranoti Ashvinroa Gudadhe	B. Vocational	97.5	A+
Ms Devashree Ravindra Surjuse	B. Vocational	100	A+
Ms Nandini Krushanrao Wasule	B. Vocational	92.5	A+
Ms Sony Mahiwal Mohammad Samim Ansari	B. Sc. I	82.5	A
Ms Nikita Sharad Bhatkulkar	B. Vocational	100	A+
Ms Radhika Gajanan Gaynar	B. Vocational	97.5	A+
Ms Sony Mahiwal Mohammad Samim Ansari	B. Sc. I	100	A+

Ms Pallavi Ashok Belsare	M.Sc. I	62.5	B+
Ms Sakshi Rajendra Zade	M.Sc. I	97.5	A+
Ms Shruti Gajanan Zodpe	B. Vocational	80	A
Ms Saloni Suryakant Bondarkar	B. Sc. I	50	B
Mr Ram Babarao Shende	M. Sc. II	27.5	D
Ms Vishakha Vinayakrao Ambhore	B. Vocational	62.5	B+
Ms Shraddha Vilasrao Werulkar	M.Sc. I	80	A
Ms Vishakha Vijay Tayade	M.Sc. I	82.5	A
Ms Nandini Panditrao Keche	M. Sc. II	70	B+
Ms Gauri Ratnakar Thakare	M.Sc. I	97.5	A+
Ms Dnyaneshwari Pramodrao Fale	M.Sc. I	97.5	A+
Ms Rutuja Prabhakar Meheshre	B. Vocational	27.5	D
Ms Shraddha Ravindra Ingole	B. Sc. I	60	B+
Ms Shraddha Ravindra Ingole	B. Sc. I	97.5	A+
Ms Vaishnavi Prafullrao Asare	M. Sc. II	27.5	D
Mr Pradip Babusing Chavhan	B. Sc. I	57.5	B

Summary Report and Outcome

Outcome of CHLS-2021:

- Familiar with the handling laboratory apparatus.
- Understand the nature and handling of chemicals.
- Familiar to various solvents used in laboratory and industry
- Precaution to be taken during handling of hazardous chemicals.
- How to carry out the organic synthesis.
- Confidence to handle instruments such as- pH meter, potentiometer, colorimeter, spectrophotometer etc.
- Total 170 Students are registered for the course amongst them 109 students attempted the final exam based on course.

Dept. of Computer Science (Computer Skill and IT literacy)

Name and Duration of the Program

Date: 14-08-2021

To,
The Principal,
Shri Shivaji Science College,
Amravati.

Subject: Request for Permission to conduct 4-weeks certificate course on "Computer Skills and IT Literacy" [CSITL-2021].

Through: IQAC

Respected sir,

With reference to above cited subject, the we the department of computer science want to schedule a certificate course on "Computer Skills and IT Literacy" (CSITL-2021) from 23-Aug-2021 to 19- Sep. -2021 i.e. of 4-Weeks. This is a very basic course targeted to all students of our college. The aim behind this course is to provide very basic knowledge of computer to our student which is becoming very essential part of current days of education. Specially in
the current pandemic situation of COVID-19, the teaching-learning process is implementing through Online classes. So, student should have basic knowledge of computer, by considering this in mind this course is designed.

Herewith, I am providing the brochure containing Announcement, Time Table and Content of the Course. It is kind request to you sir, please give us permission to proceed.
Thanking you!

Regards,

Mr. M. M. Bhonde
H.O.D,
Computer Science

IQAC Co-ordinator

Principal (I/c)
Shri Shivaji Science College,
Amravati

Shri Shivaji Science College, Amravati

CSITL-2021

Department of Computer Science

Four Week Online Course Brochure

Online Certificate Course on

"Computer Skills and IT Literacy"

Course starting date: 23-Aug-2021
Course end date: 19- Sep. -2021
Platform: Google Classroom
Registration Fee: FREE

Course Duration: 4 Weeks
Passing Criteria: 40% in eachtests
Last date for Registration: 18 Aug.2021.

About Course:

Dear learners,

By considering the current situation of COVID-19 pandemic, if student don't have basic knowledge of Computer then he has to miss a lot in e-learning. By taking this need into consideration Department of Computer Science, Shri Shivaji Science College, Amravati is going to organize ONE-month online certificate course on "**Computer Skills and IT literacy**" (**CSITL**). This course is designed for **First year UG students** of Shri Shivaji Science College, Amravati.

This is an applied course. If consider the effect of COVID-19 pandemic on teaching learning process it becomes almost mandatory to every student as well as teacher belongs to any subject must be literate with basic computer skills. The main objective of this course is to provide very basic knowledge of computer which is very much helpful to actively participate in digitalized teaching learning process.

Course Objectives:

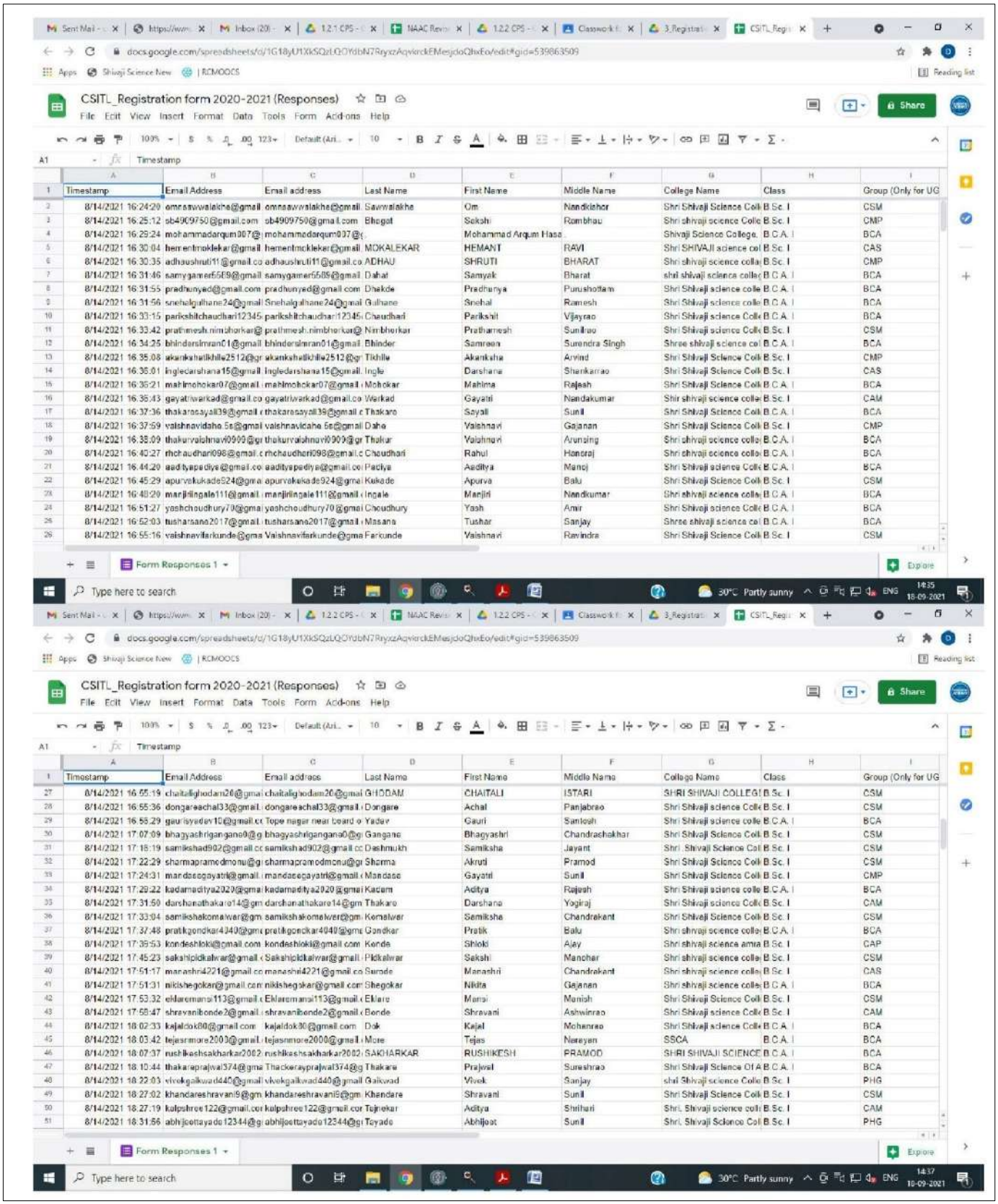
1. Impart basic knowledge about Computer System to students of any stream of subject.
2. To make familiar with application software MS-Word, so that learners can do office work paperless.
3. To impart knowledge of application software MS-Excel so that learners can organize the large amount of data in well-structured manner and process it.
4. Now a days making presentations for their seminars, projects is almost become compulsory for efficient representation of their topic. Hence this course also focuses on creating attractive power point presentations.
5. Internet becomes part of life; it becomes very handy tool for learners. Through this course learner can understand the basic concepts of Internet and how internet should be used professionally.

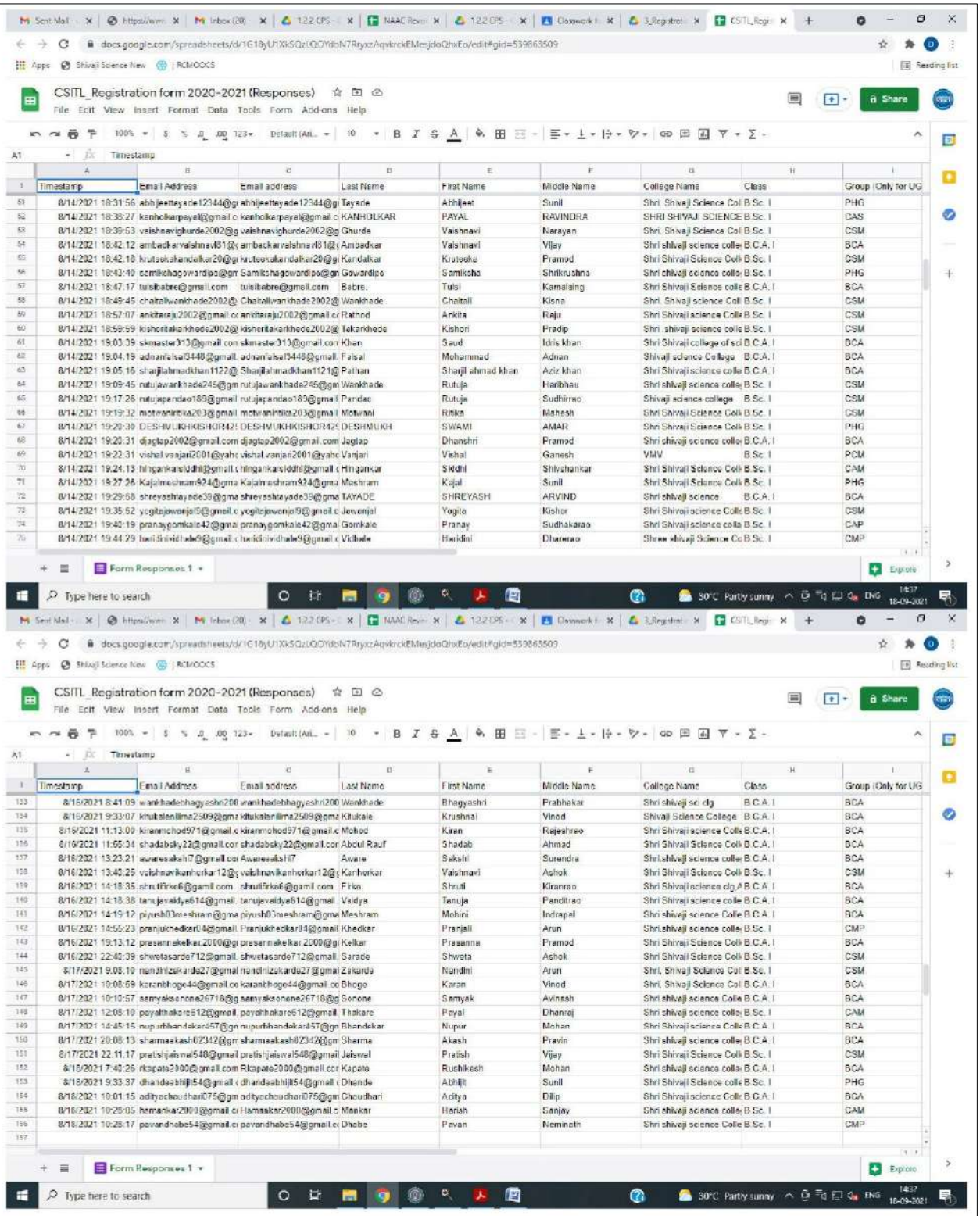
Resource Faculty from our department:

1. **Mr. M.M. Bhonde,** H.O.D.
2. **Dr. U.S. Junghare,** Assistant Professor
3. **Mr. Y.V. Hushare,** Assistant Professor

Course Content:

List of the Students Enrolled and Attendance





Screen short of Google classroom:

Curriculum and Time table

Week-1: Basics of Computer System		
Day-1	23-Aug-2021	Block Diagram of Computer
Day-2	24-Aug-2021	Concept of h/w and s/w
Day-3	25-Aug-2021	Memory Management
Day-4	26-Aug-2021	Introduction to Windows
Day-5	27-Aug-2021	Applications in windows
Day-6	28-Aug-2021	Quiz-1
Day-7	Sunday(29-Aug-2021)	Practice Day and Display of Result
Week-2: Working with MS-Word		
Day-1	30-Aug-2021	File Tab in MS-Word
Day-2	31-Aug-2021	Home Tab in MS-Word
Day-3	01-Sep-2021	Layout Tab in MS-Word
Day-4	02-Sep-2021	Insert Tab in MS-Word
Day-5	03-Sep-2021	Review and View Tab in MS-Word
Day-6	04-Sep-2021	Quiz-2
Day-7	Sunday(05-Sep-2021)	Practice Day and Display of Result
Week-3: Working with MS-Excel		
Day-1	06-Sep-2021	File Tab in MS-Excel
Day-2	07- Sep-2021	Home Tab in MS-Excel
Day-3	08- Sep-2021	Working with formulas
Day-4	09- Sep-2021	Data Tab in MS-Excel
Day-5	10- Sep-2021	Working with Charts
Day-6	11- Sep-2021	Quiz-3
Day-7	Sunday(12- Sep-2021)	Practice Day and Display of Result
Week-4: Working with MS-Power Point and Internet		
Day-1	13- Sep-2021	Creating Simple presentation
Day-2	14- Sep-2021	Use of Transitions in Presentation
Day-3	15- Sep-2021	Introduction to Internet
Day-4	16- Sep-2021	Working with Google Account
Day-5	17- Sep-2021	Working with Google Classroom student perspective
Day-6	18- Sep-2021	Quiz-4
Day-7	Sunday(19- Sep-2021	Final Exam
Till 25-Sept-2021: Distribution of Certificates		

Link for Registration: https://forms.gle/vbWEv7MgmZ7PRZgk8
Link for Telegram group: https://t.me/joinchat/l3qKkO4hBZ83NmVl

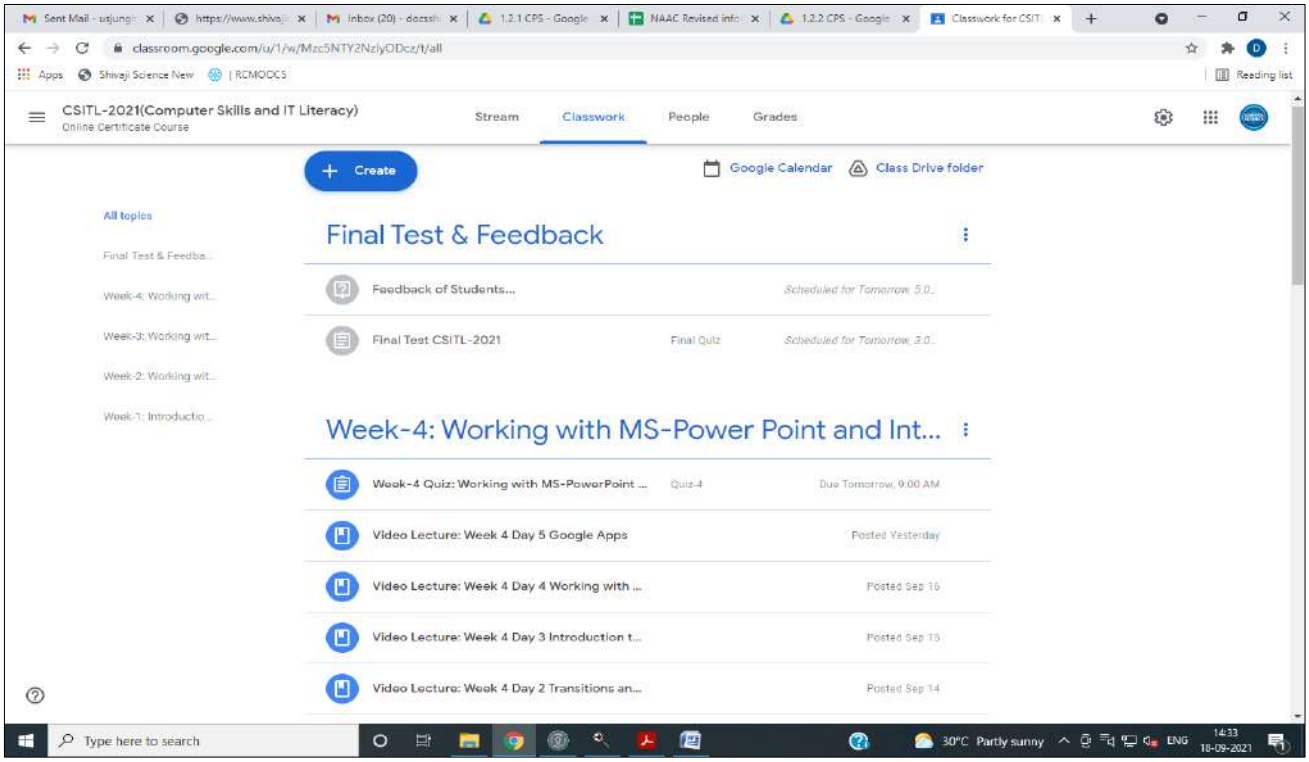
Course Coordinators,
Dr. Ujwala S. Junghare , Assistant Professor
Mr. Yogesh V. Hushare, Assistant Professor
Shri Shivaji Science College, Amravati

Convener,
Mr. Mukul M. Bhonde
H.O.D. Computer Science,
Shri Shivaji Science College, Amravati

List of registered students:

Assessment

74 students have successfully completed the course.





Shri Shivaji Education Society, Amravati's

Shri Shivaji Science College

Shivaji Nagar, Nagpur Road, Amravati (MS)

NAAC Accredited by Grade "A" with CGPA of 3.13 (Third Cycle), UGC Awarded Status of College with Potential for Excellence (Second Phase), Identified by DST, Govt of India for FIST and Sant Gadge Baba Amravati University, Amravati as Lead College

Affiliated to Sant Gadge Baba Amravati University, Amravati (MS) INDIA

Certificate no. CSITL-2021/052 **Date: 20/09/2021**

CERTIFICATE

This Certificate is awarded to

Achal Panjabrao Dongare

Position: Student **Affiliation:** Shri Shivaji Science College, Amravati

For the successful completion of the Online Certificate Course on "**COMPUTER SKILLS & IT LITERACY [CSITL-2021]**" as prescribed and ported by the Department of Computer Science during 23rd August - 19th September 2021. His performance was **Satisfactory(B)**

Course Coordinators
U.S. Junghare Y.V. Hushare

HOD and Course Convener
Mr. Mukul M. Bhonde

IQAC Coordinator
Dr. H.S. Lunge

Principal
Dr. G.N. Chaudhari

Summary Report and Outcome

Shri Shivaji Science College, Amravati

2020-2021

Department of Computer Science

Course Summary

Online Certificate Course on

"Computer Skills and IT Literacy [CSITL-2021]"

Course starting date: 23-Aug-2021
Course end date: 19- Sept -2021
Platform: Google Classroom
Registration Fee: FREE

Course Duration: 4 Weeks
Passing Criteria: 40% in each test
Last date for Registration: 20 Aug 2021.

The title of the course i.e., "Certification Course on Computer Skills and IT Literacy" itself explains that this course is definitely useful for student those want to operate the computer at their own efficiently and also to create platform for those who wants to do their career in Computer Science.

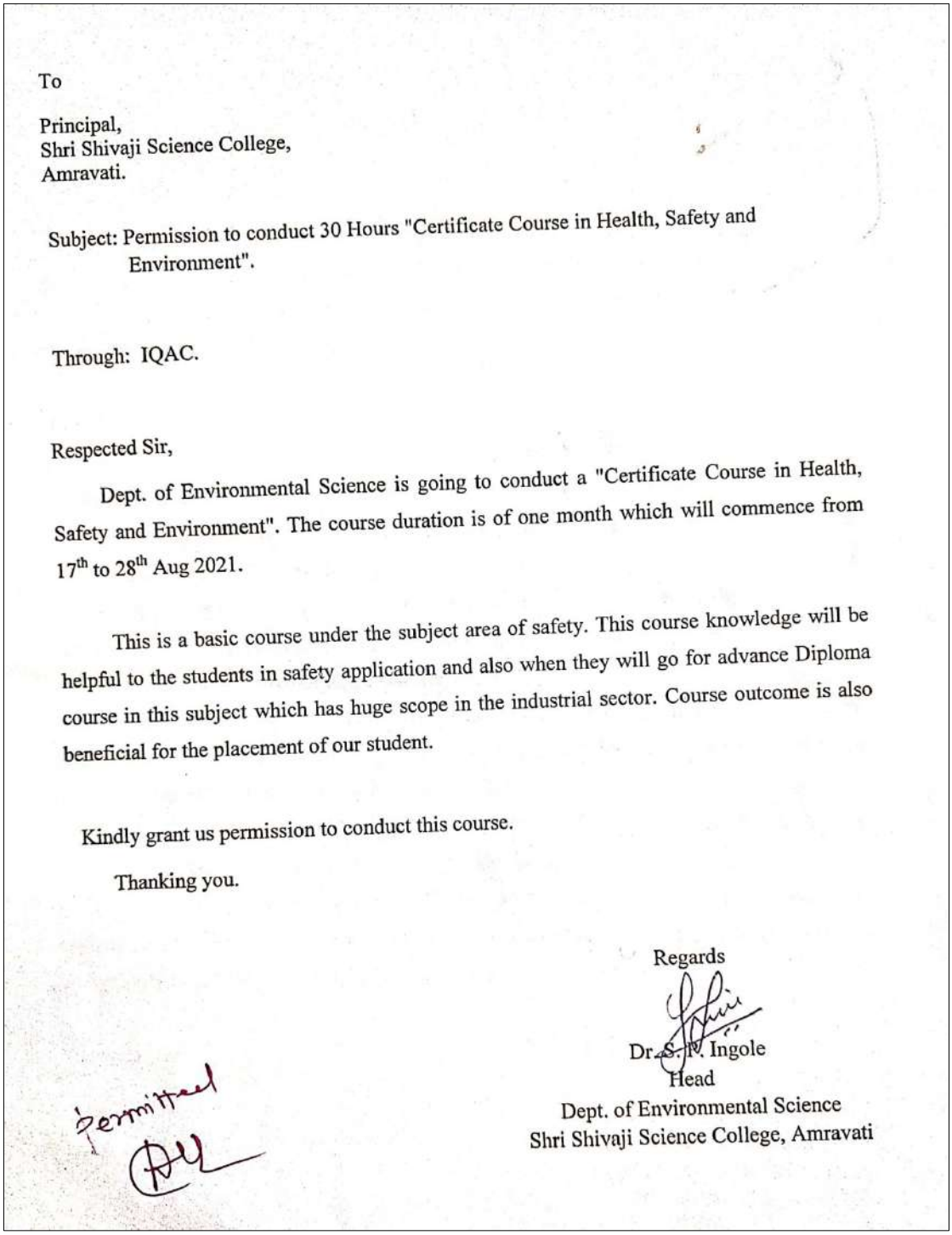
Herewith we are very much pleased to summarize that we conducted the ad-on course on "Computer Skills and IT Literacy" within the duration specified exactly. We also got the healthy response by students also. In this course total **155** students did their registration through Google Form. Among these **155** students **74** students successfully completed the course. In this course the faculty members of our department ***Mr. M.M. Bhonde, Dr. U.S. Junghare, Mr. Huskare Y.V.*** delivered their knowledge by sharing the modules of the syllabus of this course.

At the end all successful students got their certificates. It is very pleasing that we got very very positive feedback from participated students.

H.O.D.
Mr. Mukul M. Bhonde
Head
Dept. of Computer Science
Shri Shivaji Science College,
Amravati.

Dept. of Environmental Science (Certificate Course in Health, Safety and Environment)

Name and Duration of the Program



To

Principal,
Shri Shivaji Science College,
Amravati.

Subject: Permission to conduct 30 Hours "Certificate Course in Health, Safety and Environment".

Through: IQAC.

Respected Sir,

Dept. of Environmental Science is going to conduct a "Certificate Course in Health, Safety and Environment". The course duration is of one month which will commence from 17th to 28th Aug 2021.

This is a basic course under the subject area of safety. This course knowledge will be helpful to the students in safety application and also when they will go for advance Diploma course in this subject which has huge scope in the industrial sector. Course outcome is also beneficial for the placement of our student.

Kindly grant us permission to conduct this course.

Thanking you.

Regards

Dr. S. P. Ingole
Head
Dept. of Environmental Science
Shri Shivaji Science College, Amravati

Permitted

List of the Students Enrolled and Attendance

Shri Shivaji Science College, Amravati
Department of Environmental Science
2020-2021
Certificate Course in Health, Safety and Environment (CCHSE)
Date: 17th Aug 2021 to 28th Aug 2021
Attendnce

r. No.	Name of Student/Date	17-Aug	18-Aug	19-Aug	20-Aug	21-Aug	23-Aug	24-Aug	25-Aug	26-Aug	27-Aug	28-Aug
1	Gaurav Ajmire	.Turned in	.Turned in	.Turned in	.Turned in	.Turned in	.Turned in	.Turned in	.Turned in	.Turned in	.Turned in	.Turned in
2	Yogesh Bambal	.Missing	.Turned in	.Turned in	.Turned in	.Turned in	.Turned in	.Turned in	.Turned in	.Missing	.Turned in	.Turned in
3	Nikita Barbude	.Turned in	.Turned in	.Turned in	.Turned in	.Turned in	.Turned in	.Turned in	.Turned in	.Turned in	.Turned in	.Missing
4	ditiksha barekar	.Turned in	.Turned in	.Turned in	.Turned in	.Turned in	.Turned in	.Turned in	.Missing	.Turned in	.Turned in	.Missing
5	Gajanan Bethekar	.Turned in	.Turned in	.Turned in	.Turned in	.Turned in	.Turned in	.Turned in	.Turned in	.Turned in	.Missing	.Turned in
6	PURVA BHAGAT	.Missing	.Turned in	.Turned in	.Turned in	.Turned in	.Turned in	.Turned in	.Turned in	.Missing	.Turned in	.Missing
7	Snehal Bobade	.Missing	.Turned in	.Turned in	.Turned in	.Turned in	.Missing	.Missing	.Turned in	.Turned in	.Turned in	.Turned in
8	SONALI BORKAR	.Turned in	.Missing	.Turned in	.Missing	.Turned in	.Turned in	.Turned in	.Turned in	.Turned in	.Turned in	.Turned in
9	Vaishnavi Borkar	.Missing	.Turned in	.Turned in	.Turned in	.Turned in	.Turned in	.Missing	.Turned in	.Turned in	.Turned in	.Turned in
10	Tanaya Chavhan	.Turned in	.Turned in	.Turned in	.Turned in	.Turned in	.Turned in	.Missing	.Turned in	.Turned in	.Turned in	.Missing
11	Kalyani chaware	.Turned in	.Missing	.Missing	.Turned in	.Turned in	.Turned in	.Turned in	.Turned in	.Turned in	.Turned in	.Turned in
12	Gayatri Chopde	.Turned in	.Turned in	.Missing	.Turned in	.Turned in	.Turned in	.Turned in	.Turned in	.Missing	.Turned in	.Turned in

13	Punam Dabre	.Missing	.Turned in	.Turned in	.Turned in	.Turned in	.Turned in	.Missing	.Turned in	.Turned in	.Turned in	.Turned in
14	Swati Dabre	.Turned in	.Turned in	.Turned in	.Turned in	.Turned in	.Missing	.Turned in	.Missing	.Turned in	.Turned in	.Turned in
15	Janhavi Dalvi	.Turned in	.Turned in	.Missing	.Turned in	.Turned in	.Turned in	.Turned in	.Missing	.Turned in	.Missing	.Turned in
16	Yashwant Deshmuk	.Turned in	.Turned in	.Turned in	.Turned in	.Turned in	.Turned in	.Turned in	.Turned in	.Turned in	.Turned in	.Turned in
17	Sakshi Deshmukh	.Turned in	.Turned in	.Turned in	.Turned in	.Missing	.Turned in	.Turned in	.Turned in	.Turned in	.Turned in	.Turned in
18	Shrutika Deshmukh	.Turned in	.Missing	.Turned in	.Missing	.Turned in	.Turned in	.Missing	.Turned in	.Missing	.Turned in	.Turned in
19	Pranali Dhote	.Turned in	.Turned in	.Missing	.Missing	.Turned in	.Missing	.Missing	.Missing	.Missing	.Turned in	.Turned in
20	Sanjana Dhote	.Missing	.Missing	.Turned in	.Turned in	.Turned in	.Turned in	.Turned in	.Turned in	.Turned in	.Missing	.Missing
21	Vaishnavi Falke	.Turned in	.Turned in	.Turned in	.Turned in	.Turned in	.Turned in	.Turned in	.Turned in	.Turned in	.Turned in	.Turned in
22	Aarohi Gawande	.Turned in	.Turned in	.Missing	.Missing	.Missing	.Turned in	.Missing	.Turned in	.Missing	.Turned in	.Turned in
23	Sakshi Gawande.	.Turned in	.Turned in	.Turned in	.Turned in	.Turned in	.Turned in	.Turned in	.Turned in	.Turned in	.Turned in	.Turned in
24	ashlesha gharde	.Turned in	.Missing	.Turned in	.Turned in	.Turned in	.Missing	.Turned in	.Missing	.Turned in	.Turned in	.Turned in
25	Komal Gosavi	.Turned in	.Missing	.Turned in	.Turned in	.Turned in	.Turned in	.Turned in	.Turned in	.Turned in	.Missing	.Missing
26	Priyanka Hiware	.Turned in	.Turned in	.Turned in	.Turned in	.Turned in	.Turned in	.Turned in	.Turned in	.Turned in	.Turned in	.Turned in
27	saurabh Hurde	.Turned in	.Missing	.Missing	.Turned in	.Missing	.Turned in	.Turned in	.Turned in	.Turned in	.Turned in	.Turned in
28	Pooja Ingle	.Turned in	.Turned in	.Turned in	.Turned in	.Turned in	.Turned in	.Turned in	.Turned in	.Turned in	.Turned in	.Turned in

29	Prachi Ingle	.Missing	.Turned in	.Missing	.Turned in	.Turned in	.Turned in	.Turned in	.Turned in	.Turned in	.Turned in	.Turned in
30	Abhay Jabde	.Turned in	.Turned in	.Missing	.Turned in	.Turned in	.Turned in	.Turned in	.Turned in	.Turned in	.Turned in	.Missing
31	Satish Jamunkar4u	.Turned in	.Missing	.Turned in	.Missing	.Turned in	.Missing	.Turned in	.Turned in	.Turned in	.Turned in	.Turned in
32	NIKITA JENGTHE	.Turned in	.Turned in	.Missing	.Turned in	.Turned in	.Turned in	.Turned in	.Turned in	.Turned in	.Missing	.Turned in
33	Mrunal Kalaskar	.Missing	.Turned in	.Turned in	.Turned in	.Missing	.Turned in	.Turned in	.Turned in	.Turned in	.Turned in	.Turned in
34	Garjat Kalbande	.Missing	.Turned in	.Missing	.Turned in	.Turned in	.Turned in	.Turned in	.Missing	.Turned in	.Turned in	.Turned in
35	Rutuja Kalbende	.Turned in	.Turned in	.Turned in	.Turned in	.Turned in	.Turned in	.Turned in	.Turned in	.Turned in	.Missing	.Turned in
36	Mohit Kale	.Turned in	.Turned in	.Turned in	.Turned in	.Turned in	.Turned in	.Turned in	.Turned in	.Turned in	.Turned in	.Missing
37	Prajakta Kale	.Missing	.Turned in	.Turned in	.Turned in	.Missing	.Turned in	.Turned in	.Turned in	.Turned in	.Turned in	.Missing
38	Radhika Kashikar	.Turned in	.Missing	.Missing	.Turned in	.Turned in	.Turned in	.Missing	.Turned in	.Missing	.Turned in	.Turned in
39	Nikita Keche	.Turned in	.Turned in	.Turned in	.Missing	.Turned in	.Missing	.Turned in	.Missing	.Missing	.Turned in	.Turned in
40	Rupali Khade	.Turned in	.Turned in	.Missing	.Missing	.Turned in	.Turned in	.Missing	.Turned in	.Missing	.Missing	.Missing
41	Ramsha Khan	.Missing	.Turned in	.Turned in	.Turned in	.Turned in	.Missing	.Turned in	.Missing	.Turned in	.Turned in	.Turned in
42	meghesh khawase	.Turned in	.Turned in	.Missing	.Missing	.Missing	.Turned in	.Turned in	.Turned in	.Turned in	.Missing	.Turned in
43	Pranjali Khodwe	.Turned in	.Turned in	.Turned in	.Turned in	.Turned in	.Turned in	.Turned in	.Turned in	.Turned in	.Turned in	.Turned in
44	Ritika Londe	.Missing	.Turned in	.Turned in	.Missing	.Missing	.Turned in	.Missing	.Turned in	.Missing	.Turned in	.Turned in

45	SAMIKSHA MAHURE	.Turned in	.Turned in	.Turned in	.Missing	.Turned in	.Missing	.Missing	.Missing	.Missing	.Turned in	.Missing
46	Krutika Makade	.Turned in	.Turned in	.Missing	.Turned in	.Turned in	.Turned in	.Turned in	.Turned in	.Turned in	.Missing	.Turned in
47	Chaitrali More	.Turned in	.Missing	.Turned in	.Missing	.Turned in	.Missing	.Missing	.Missing	.Missing	.Turned in	.Missing
48	Gauri Nimbhorkar	.Turned in	.Turned in	.Missing	.Turned in	.Missing	.Turned in	.Turned in	.Turned in	.Turned in	.Missing	.Turned in
49	Vaishnavi Nipane	.Missing	.Turned in	.Turned in	.Missing	.Turned in	.Missing	.Missing	.Missing	.Missing	.Turned in	.Turned in
50	Additya Pande	.Turned in	.Turned in	.Missing	.Turned in	.Missing	.Turned in	.Turned in	.Turned in	.Missing	.Missing	.Turned in
51	Suresh Rathod	.Missing	.Missing	.Turned in	.Turned in	.Turned in	.Turned in	.Turned in	.Turned in	.Turned in	.Turned in	.Missing
52	Pranjali Raut	.Missing	.Missing	.Turned in	.Turned in	.Missing	.Turned in	.Turned in	.Turned in	.Turned in	.Turned in	.Turned in
53	Sukhada Raut	.Turned in	.Turned in	.Turned in	.Turned in	.Turned in	.Turned in	.Turned in	.Turned in	.Turned in	.Turned in	.Missing
54	Sagar bambal Sagar bambal	.Missing	.Turned in	.Missing	.Missing	.Turned in	.Turned in	.Turned in	.Turned in	.Turned in	.Missing	.Turned in
55	dhanashri sao	.Turned in	.Missing	.Missing	.Turned in	.Turned in	.Turned in	.Turned in	.Turned in	.Turned in	.Turned in	.Missing
56	Saima Sheikh	.Missing	.Turned in	.Turned in	.Missing	.Missing	.Turned in	.Turned in	.Turned in	.Turned in	.Turned in	.Turned in
57	Aboli Shende	.Turned in	.Turned in	.Turned in	.Turned in	.Turned in	.Missing	.Turned in	.Turned in	.Turned in	.Turned in	.Turned in
58	KUNAL SHIRBHATE	.Turned in	.Turned in	.Turned in	.Turned in	.Turned in	.Turned in	.Turned in	.Turned in	.Turned in	.Turned in	.Turned in
59	Hitesh Shrungare	.Turned in	.Missing	.Missing	.Turned in	.Turned in	.Turned in	.Turned in	.Turned in	.Turned in	.Missing	.Missing
60	Ashwini Tambade	.Missing	.Turned in	.Turned in	.Missing	.Turned in	.Turned in	.Turned in	.Turned in	.Turned in	.Turned in	.Turned in

61	Mr.Chandrashekhar Tarale	.Turned in	.Turned in	.Missing	.Turned in	.Missing	.Turned in	.Turned in	.Turned in	.Turned in	.Turned in	.Turned in
62	Pradnya Tathod	.Missing	.Missing	.Turned in	.Missing	.Turned in	.Missing	.Missing	.Turned in	.Missing	.Turned in	.Turned in
63	Janvi Thakare	.Turned in	.Turned in	.Missing	.Turned in	.Turned in	.Turned in	.Turned in	.Turned in	.Turned in	.Turned in	.Turned in
64	Kalyani Thakare	.Missing	.Turned in	.Turned in	.Missing	.Turned in	.Missing	.Turned in	.Missing	.Turned in	.Missing	.Missing
65	PRATHMESH THAKARE	.Turned in	.Turned in	.Turned in	.Turned in	.Turned in	.Turned in	.Missing	.Turned in	.Missing	.Missing	.Turned in
66	Rohit Thakare	.Turned in	.Turned in	.Turned in	.Turned in	.Missing	.Turned in	.Missing	.Turned in	.Missing	.Missing	.Turned in
67	Trushana Thakare	.Turned in	.Missing	.Missing	.Turned in	.Missing	.Turned in	.Turned in	.Missing	.Turned in	.Turned in	.Turned in
68	Ritu Vyas	.Missing	.Turned in	.Missing	.Missing	.Missing	.Turned in	.Missing	.Turned in	.Missing	.Turned in	.Turned in
69	dhanashree wakode	.Turned in	.Missing	.Turned in	.Missing	.Turned in	.Missing	.Missing	.Turned in	.Missing	.Turned in	.Missing
70	Shiwani Wakode	.Missing	.Missing	.Turned in	.Turned in	.Turned in	.Turned in	.Turned in	.Turned in	.Turned in	.Turned in	.Missing
71	GAURI WANKHADE	.Turned in	.Turned in	.Missing	.Missing	.Turned in	.Missing	.Turned in	.Turned in	.Missing	.Missing	.Missing
72	Manjiri Wankhade	.Missing	.Turned in	.Turned in	.Turned in	.Turned in	.Turned in	.Turned in	.Missing	.Turned in	.Turned in	.Turned in
73	Rani Wankhade	.Turned in	.Missing	.Turned in	.Missing	.Missing	.Turned in	.Missing	.Turned in	.Missing	.Turned in	.Turned in
74	DARSHANA WATH	.Turned in	.Turned in	.Turned in	.Turned in	.Turned in	.Turned in	.Turned in	.Missing	.Turned in	.Turned in	.Turned in
75	Dalvi Yash	.Missing	.Missing	.Missing	.Missing	.Turned in	.Missing	.Turned in	.Turned in	.Turned in	.Missing	.Missing
76	MAYURI YERANE	.Missing	.Turned in	.Turned in	.Turned in	.Turned in	.Missing	.Turned in	.Missing	.Turned in	.Missing	.Turned in

Curriculum and Time table

9. Course Outline:

Certificate Course in Health, Safety and Environment (CCHSE)

Total Hours 40 **Marks 100**

Syllabus

Module 1: Introduction to Health Safety and Environment (IHSE1)

- Introduction, importance of environmental safety in industry, introduction to occupational health hazards

Module 2: Industrial Hazard Identification and Preventive Technique (IHIPT2)

- Define hazard and hazard identification, types of industrial hazards, method of hazards identification - HAZOP technique, Hazard Prevention and Control

Module 3: Emergency Planning and Introduction to Chemical Safety (EPICS3)

a) Emergency Planning – Introduction, need, key elements and concept of emergency planning

b) Chemical Safety – Introduction and general chemical safety guidelines

Module 4: An understanding of the ISO 14001 (Environmental Management System) (EMS4)

- Introduction and concepts

Module 5: An Overview on Legal aspects in Environment, Health and safety (LAEHS5)

- Legislative measures in industrial safety: Factories Act, 1948, Workman's Compensation Act, 1943, Environmental (Prevention and control) Act 1986

Module 6: Project Work (PW6)

7. Detailed time-wise Course Session Plan:

Module No. and Title/Code	Day/Date	Contents/Topic and Hours Allotted	Name of Faculty	Video/Quiz/Assignment/Feedback/ Discussion Forum
1. Introduction to Health Safety and Environment (IHSE1)	**Day1** 17.08.2021	• Introduction (1 hrs) • Importance of environmental safety in industry (1 hrs)	SPI	Video/ E-Content
			SPI	Video/ Quiz
	Day 2 18.08.2021	• Introduction to occupational health hazards (2 hrs)	VDB	Video / Quiz / Assignment
2. Industrial Hazard Identification and Preventive Technique (IHIPT2)	**Day 3** 19.08.2021	• Define hazard and hazard identification (1 hrs)	VDB	Video/ E-Content
		• Types of industrial hazards (2 hrs)	VDB	Video/ E-Content/Quiz
	Day 4 20.08.2021	• Method of hazards identification - HAZOP technique (2 hrs) • Hazard Prevention and Control (1 hrs)	SPI	Video/ E-Content/ Assignment
3. Emergency Planning and Introduction to Chemical Safety (EPICS3)	**Day 5** 21.08.2021	a) Emergency Planning • Introduction (1 hrs)	KJG	Video/ E-Content/ Assignment
		• Need (1 hrs)	KJG	Video/ E-Content/ Assignment
		• key elements and concept of emergency planning (1 hrs)	KJG	Video/ E-Content/ Assignment

	Day 6 23.07.2021	b) Chemical Safety • Introduction and general chemical safety guidelines (2 hrs)	KJG	Video/ E-Content/ Assignment
4. An understanding of the ISO 14001 (Environmental Management System) (EMS4)	**Day 7** 24.07.2021	• Introduction and concepts (2 hrs)	SPI	Video/ E-Content/ Assignment
5. An Overview on Legal aspects in Environment, Health and safety (LAEHS5)	**Day 8** 25.08.2021	• Legislative measures in industrial safety: Factories Act, 1948 (2 hrs)	VDB	Video/ E-Content
	Day 9 26.08.2021	• Workman's Compensation Act, 1943 (2 hrs)	VDB	Video/ Quiz
		• Environmental (Prevention and control) Act 1986 (2 hrs)	VDB	Video/ Quiz
6. Project Work (Related to Course Content) (PW6)	**Day 10** 27.08.2021	• Project Work (Related to Course Content) (6 hrs)	KJG	
Exam	**Day 11** 28.08.2021	• Final Theory Exam (1 hrs)	KJG	

Assessment

All students are successfully completed course.

Shri Shivaji Education Society, Amravati's

Shri Shivaji Science College

Shivaji Nagar, Nagpur Road, Amravati (MS)

NAAC Accredited by Grade "A" with CGPA of 3.13 (Third Cycle),
UGC Awarded Status of College with Potential for Excellence (Second Phase),
Identified by DST, Govt of India for FIST and Sant Gadge Baba Amravati University, Amravati as Lead College

Affiliated to Sant Gadge Baba Amravati University, Amravati (MS) INDIA



CERTIFICATE

This Certificate is awarded to

Position: Student **Affiliation:** SGBAU, Amravati

For the successful completion of the Online Certificate Course on **Health, Safety and Environment** as prescribed and ported by the Department of Environmental Science during 17th August to 28th August 2021.

His/Her performance was

Satisfactory(B)/ Good(B+)/ Excellent(A)/ **Outstanding(A+)**.

Course Coordinator	Head of the Department	IQAC Coordinator	Principal

Date: 30/08/2021

Summary Report and Outcome

Summary Report And COURSE OUTCOME :

Certificate course in Health, Safety and Environment (CCHSE)

2020-21 The certificate course was conducted in online mode from **17-08-2021 to 28-08-202**. The duration for this certificate course was of one month. **80 students** among U.G. & P.G from the Dept. of env. Sci. was enrolled for this certificate course.

- What's up group was created for the communication among participant students. Google classroom was also created to upload the e-content related to CCHSE. Students were asked to submit case studies report related to Health Safety as internal Assessment At the end final examination was conducted .Successful candidates were given certificates. Value added courses are the types of courses which help a particular individual to develop their own skills in their chosen field of the study. They are mostly independent to each type of the fields.
- Learn about various global and regional environmental concerns that affect various form of life.
- This course prepares students to meet the vast requirements of professionals having suitable qualification as well as exposure in the Health, Safety and Environment industry
- Students will be trained in determining environmental, health and safety impacts on operations, and also in developing, executing and monitoring environmental health and safety programs.
- The programme aims to cater learners to acquire and demonstrate competency in Environment Health & Safety, making them Knowledgeable and competent to make a Prospective career in Industry in the field of safety.



Dr. S.P. Ingole
Head
Dept. Of Environmental Science
Shri Shivaji Science College
Amravati.

Dept. of Geology (Groundwater Exploration)

Name and Duration of the Program

To,

Principal,

Shri Shivaji Science College,

Amravati.

Subject: Application for permission to organizing Adorn course on Groundwater Exploration.

Respected Sir,

The department of Geology requires to organizing online Adorn course on Groundwater Exploration for one month. We will be organizing this course from 17/8/2021 to 16/8/2021.

We need your permission for the above Adorn course. Registration for this course will be done through Google form.

Thanking you.

Yours sincerely

Date: 12-8-2021

Place: Amravati

Dr. M. M. Deshmukh

Head & Asst. Professor

Department of Geology

Shri Shivaji Science College, Amravati

Permitted

Broucher

1) Course Title: Groundwater Exploration (Hydrogeology)

2) Course description:

As water is being and essential requirement for all the humans and animals. The surface water is very evident part of it as it is visibly available, but the groundwater which is beneath earth surface place equally important role in water conservation and to fulfilled demands of day to day life requirements. This Certificate course on groundwater exploration (Hydrogeology), in towards making students aware about introductory requirement to understand ground water exploration and its related problems. This course will cover bulidingblock contains to understand groundwater and its integral relationship with geology.

3) Course Objectives:

1) To understand various components and interrelationship of hydrological cycle.
2) To understand Occurrences and distribution of groundwater.
3) To understand interrelationship between groundwater and surface water.
4) To understand Theories governing groundwater.
5) To apply knowledge of different rock types to understand their water holding capacities.
6) Understanding groundwater provinces of India.
7) To understand groundwater conditions in various parts of Maharashtra.

4) Instructional Strategies: Animation Videos

5) Instructional Material: Instructor's videos supported with slides and graphics

6) Summary: Flow-charts and text form

7) Evaluation Strategies: Summative auto-graded tests and assignments for E-Tutor feedbacks.

8) Duration of course: One month

9) Credits: 3

10) Components: Course Outcomes (COs):

1) To understand occurrence and distribution of water beneath earth surface.
2) To understand interrelationship of groundwater with surface water and their interplay in environmental cycle.
3) Application of theory's governing groundwater movement in understanding occurrence of ground water.
4) To understand various rocks and their water bearing hydrological properties for primary application in occurrence of ground water.
5) To understand Ground water providences of India and to develop critical thinking on how groundwater conditions vary in India due to various groundwater providences.
6) Primary identification of various water bearing aquifers.

Last Date of Registration:- 16 August 2021	1 Month Course Starts from 17 August 2021

Registration Link:- https://forms.gle/BbkqB2PBr1tewjC9A

11) Course outline: Course Outlines:

1) Groundwater Hydrology and its relation to other sciences.
2) Hydrological Cycle
3) Occurrence and distribution of groundwater
4) Water table and water table maps, Piezometric surface
5) Influent and affluent seepages and springs.
6) Theory of groundwater flow
7) Aquifers and their types
8) Hydrological properties of rocks
9) Occurrence of groundwater in different rock types
10) Lithological, Stratigraphic and Structural control of groundwater occurrence.
11) Groundwater provenances of India
12) Groundwater conditions in different parts of Maharashtra.

Week 1: Introduction Groundwater hydrology		
Content	**Activities**	**Assessments**
Videos multimedia e-content, Textural handout reading material	Assessments discussion, Practical assessments	Quiz Assessments & Assignment
Week 2: Theory of groundwater flow + Hydrological properties of rock		
Videos multimedia e-content, Textural handout reading material	Assessments discussion, Practical assessments	Quiz Assessments & Assignment
Week 3: Occurrences of groundwater		
Videos multimedia e-content, Textural handout reading material	Assessments discussion, Practical assessments	Quiz Assessments & Assignment

UNDERSTANDING PROGRAMME AND COURSE

Course:

5 hours of teaching in a week
3.20 min hours theory
1.40 min hours practical
3 credit course

Course Outcomes(COs) :

1. To understand occurrence and distribution of water beneath earth surface.
2. To understand interrelationship of groundwater with surface water and their interplay in environmental cycle.
3. Application of theory's governing groundwater movement in understanding occurrence of ground water.
4. To understand various rocks and their water bearing hydrological properties for primary application in occurrence of ground water.
5. To understand Ground water providences of India and to develop critical thinking on how groundwater conditions vary in India due to various groundwater providences.
6. Primary identification of various water bearing aquifers.
7. Course Outlines:
8. Groundwater Hydrology and its relation to other sciences.
9. Hydrological Cycle
10. Occurrence and distribution of groundwater
11. Water table and water table maps, Piezometric surface
12. Influent and affluent seepages and springs.
13. Theory of groundwater flow
14. Aquifers and their types
15. Hydrological properties of rocks
16. Occurrence of groundwater in different rock types
17. Lithological, Stratigraphic and Structural control of groundwater occurrence.
18. Groundwater provenances of India
19. Groundwater conditions in different parts of Maharashtra.

Course Schedule :
Online classes will be offered
Faculty: 1) Dr. M. M. Deshmukh, Head & Asst. Prof. Dept. of Geology, Shri Shivaji Science College, Amravati
2) Shri S. K. Paunikar,Asst. Prof. Dept. of Geology, Shri Shivaji Science College, Amravati

Syllabus:

Theory:

1. I) Groundwater Hydrology and its relation to other sciences.

II) Hydrogeological cycle

III) Occurrence and distribution of groundwater

2. I) Water table and water table maps, piezometric surface.

II) Influent and Affluent seepage and springs.

III) Theory of groundwater flow

IV) Aquifers and their types.

3. Hydrologic properties of rocks and their definition and methods of determination.(Porosity, permeability, Specific yield, Specific retention, etc)

4. I) Occurrence of groundwater in different rock types: Igneous, sedimentary and metamorphic rock.

II) Lithological, stratigraphic and structural control of groundwater occurrence.

III) Groundwater provinces of India.

IV) Groundwater conditions in different parts of Maharashtra.

Practical:

I) Study of Topographic survey sheets.

II) Plotting of groundwater provinces of India

Dr. G. N. Chaudhari **Offi. Principal** **Shri Shivaji Science College, Amravati**	**Dr. M.M.Deshmukh** **Head Dept. of Geology** **Shri Shivaji Science College, Amravati**	**Mr. S.K.Paunikar** **Course Coordinator,** **Asst. Prof Dept. of Geology** **Shri Shivaji Science College, Amravati**

List of the Students Enrolled and Attendance

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1	Atharva Nayab	B.Sc. III
2	Kajal Sunil Meshram	B.Sc. I
3	Yashwant Sinha	B.Sc. I
4	Apeksha Bapuraoji Talan	B.Sc. I
5	Sanket patke	B.Sc. II
6	Vivek Gaikwad	B.Sc. I
7	Samiksha shrikrushna gowardipe	B.Sc. I
8	Samiksha Rajkumar Deole	B.Sc. III
9	Nothing	B.Sc. II
10	Shwetambari shrinivas satpute	B.Sc. II
11	Sakshi sudhir chokhat	B.Sc. II
12	Prajwal N. Deshmukh	B.Sc. III
13	SWAMI AMAR DESHMUKH	B.Sc. I
14	Arya Vivek Thakare	B.Sc. I
15	Bhagyashri Dadarao Kalane	B.Sc. I
16	Ku. Sayali Dinesh Hore	B.Sc. III
17	Harikesh Rajesh gawande	B.Sc. I
18	Punam Vishwasrao Deshmukh	B.Sc. III
19	Shrutika Shyam Yadav	B.Sc. II
20	Dnyaneshwari Sanjay Fendar	B.Sc. III
21	Sejal kishor kombe	B.Sc. II
22	Tejaswini Balasaheb Khobragade	B.Sc. III
23	Sumit Ishwarrao Mehar	B.Sc. II
24	Sanket Arvind Badwaik	B.Sc. III
25	Divyani Anil Mawaskar	B.Sc. II
26	Asmita Hariram Dahikar	B.Sc. II
27	Bharti Prabhakar Dolas	B.Sc. II
28	Tejaswini Dadarao Chaware	B.Sc. III
29	Shreyas Surendra Karale	B.Sc. I
30	Kiran jodhan sonwani	B.Sc. III
31	Janhavi Prabhudas Netanrao	B.Sc. III
32	Vaishnavi Rajesh Khadse	B.Sc. III
33	Aryan	B.Sc. I
34	Shivani sanjay katkar	B.Sc. III
35	Divya Prakash Patinge	B.Sc. II
36	Sakshi pramod parkhi	B.Sc. II
37	Sakshi Umakant Deshmukh	B.Sc. II
38	Kirti Dinesh Tawale	B.Sc. II
39	Ku. Shamlee Gajanan Pathare	B.Sc. II
40	Priyanka Pravin Sharma	B.Sc. III
41	Janavi Anil Taywade	B.Sc. III
42	ABHISHEK D GUDADHE	B.Sc. III
43	Shloki Ajay Konde	B.Sc. I
44	Aaditya Parmeshwar Khandekar	B.Sc. II
45	Abhijeet Sunil Tayade	B.Sc. I
46	ABHIJEET SUNIL TAYADE	B.Sc. I

47	Vaishnavi Vitthalrao Dhole	B.Sc. III
48	Vedant Wankhade	B.Sc. I
49	Sarvesh Prasad Kahale	B.Sc. III
50	Nikita Dhanrajpant Boharupi	B.Sc. III
51	Kapil Daulat Baghaye	B.Sc. II
52	Vikram Shanware	B.Sc. I
53	Shrikant govinndrao kamvle	B.Sc. II
54	Abhijit Sunil Dhande	B.Sc. I
55	Akanksha Arunrao Uke	B.Sc. II
56	Abhay Mukeshrao Bhende	B.Sc. I
57	Saurabh shriram kale	B.Sc. II
58	Sumit diliprao wakekar	B.Sc. III
59	Abhishek yuvraj Solanke	B.Sc. II
60	Pranjal Datttakumar Bhadke	B.Sc. II
61	Sakshi Ganeshrao kadu	B.Sc. III
62	Dipti Sudhir Wankhade	B.Sc. III
63	Arpita vinod Bidwaik	B.Sc. II
64	Abhijit Sunil Dhande	B.Sc. I
65	Tejaswini Balasaheb Khobragade	B.Sc. III
66	Shivani sanjay katkar	B.Sc. III
67	Shreyas Surendra Karale	B.Sc. I
68	Sanket A. Badwaik	B.Sc. III
69	Shivani sanjay katkar	B.Sc. III
70		

Dr. M. M. Deshmukh

Head & Asst. Professor

Department of Geology

Shri Shivaji Science College, Amravati

Curriculum and Time table

1) Course Title: Groundwater Exploration (Hydrogeology)

2) Course description:

As water is being and essential requirement for all the humans and animals. The surface water i very evident part of it as it is visibly available, but the groundwater which is beneath earth surface place equally important role in water conservation and to fulfilled demands of day to da life requirements. This Certificate course on groundwater exploration (Hydrogeology), in towards making students aware about introductory requirement to understand ground water exploration and its related problems. This course will cover bulidingblock contains to understan groundwater and its integral relationship with geology.

3) Course Objectives:

1) To understand various components and interrelationship of hydrological cycle.
2) To understand Occurrences and distribution of groundwater.
3) To understand interrelationship between groundwater and surface water.
4) To understand Theories governing groundwater.
5) To apply knowledge of different rock types to understand their water holding capacities.
6) Understanding groundwater provinces of India.
7) To understand groundwater conditions in various parts of Maharashtra.

4) Instructional Strategies: Animation Videos

5) Instructional Material: Instructor's videos supported with slides and graphics

6) Summary: Flow-charts and text form

7) Evaluation Strategies: Summative auto-graded tests and assignments for E-Tutor feedbacks

8) Detailed time-wise course session plan:

Week	Day	Syllabus	Hours	Credits
Week 1	1	Unit 1 Groundwater hydrology , Groundwater hydrology relation to other sciences	Theory 40 min + Summary 10 min	1.40 credits
	2	Hydrological cycle + Occurrences of groundwater	Theory 1.20 min + Summary 20 min	
		Distribution of groundwater + Practical	Theory 1.20 min + Summary 20 min	
	4	Practical & Discussion +	Practical 1.20 min + Summary 20 min + Discussion 2hr	
	5	Test & Assignment	Test 1 hr. + Assignment 1.30 min	
	6	Water table and water table maps, Piezometric surface +	Theory 1.20 min + Summary 20 min	

4) To understand various rocks and their water bearing hydrological properties for primary application in occurrence of ground water.

5) To understand Ground water providences of India and to develop critical thinking on how groundwater conditions vary in India due to various groundwater providences.

6) Primary identification of various water bearing aquifers.

12) Course outline: Course Outlines:

1) Groundwater Hydrology and its relation to other sciences.
2) Hydrological Cycle
3) Occurrence and distribution of groundwater
4) Water table and water table maps, Piezometric surface
5) Influent and affluent seepages and springs.
6) Theory of groundwater flow
7) Aquifers and their types
8) Hydrological properties of rocks
9) Occurrence of groundwater in different rock types
10) Lithological, Stratigraphic and Structural control of groundwater occurrence.
11) Groundwater provenances of India
12) Groundwater conditions in different parts of Maharashtra.

Week 1: Introduction Groundwater hydrology		
Content	**Activities**	**Assessments**
Videos multimedia e-content, Textural handout reading material	Assessments discussion, Practical assessments	Quiz Assessments & Assignment
Week 2: Theory of groundwater flow + Hydrological properties of rock		
Videos multimedia e-content, Textural handout reading material	Assessments discussion, Practical assessments	Quiz Assessments & Assignment
Week 3: Occurrences of groundwater		
Videos multimedia e-content, Textural handout reading	Assessments discussion, Practical assessments	Quiz Assessments & Assignment

		Influent and effluent seepage		
	7	Theory of groundwater flow, Darcy's law and its limitation for groundwater flow	Theory 40 min + Summary 10 min	
Week 2	8	Aquifer and their types + Practical	Theory 1.20 min + Summary 20 min	1.35 credits
	9	Practical & Discussion + Test, Assignment	Theory 1.20 min + Summary 20 min + Discussion 2hr	
	10	Hydrological properties of rock and their definition	Theory 40 min + Summary 10 min	
	11	Porosity and permeability + Specific yield and specific retention	Theory 1.20 min + Summary 20 min	
	12	Hydrological properties of rock and their definition	Theory 40 min + Summary 10 min	
	13	Methods of determination + Practical	Theory 1.20 min + Summary 20 min	
	14	Practical & Discussion + Test, Assignment	Theory 1.20 min + Summary 20 min + Discussion 2hr	
Week 3	15	Occurrences of groundwater in different rock – Igneous rock	Theory 40 min + Summary 10 min	1.25 credits
	16	Sedimentary rock &Metamorphic rock	Theory 40 min + Summary 10 min	
	17	Lithological, structural and stratigraphic control of groundwater occurrences	Theory 40 min + Summary 10 min	
	18	Groundwater provinces of India	Theory 40 min + Summary 10 min	
	19	Groundwater conditions in different parts of Maharashtra	Practical 40 min + Summary 10 min	
	20	Practical & Discussion	Practical 40 min + Summary 10 min+ Discussion 2hr	
		Final Test	2 hr	
		Total	**40 hr**	**4**

9) Duration of course: 20 Days

10) Credits: 4

11) Components: Course Outcomes (COs):

1) To understand occurrence and distribution of water beneath earth surface.
2) To understand interrelationship of groundwater with surface water and their interplay in environmental cycle.
3) Application of theory's governing groundwater movement in understanding occurrence of ground water.

4) To understand various rocks and their water bearing hydrological properties for primary application in occurrence of ground water.

5) To understand Ground water providences of India and to develop critical thinking on how groundwater conditions vary in India due to various groundwater providences.

6) Primary identification of various water bearing aquifers.

12) Course outline: Course Outlines:

1) Groundwater Hydrology and its relation to other sciences.

2) Hydrological Cycle

3) Occurrence and distribution of groundwater

4) Water table and water table maps, Piezometric surface

5) Influent and affluent seepages and springs.

6) Theory of groundwater flow

7) Aquifers and their types

8) Hydrological properties of rocks

9) Occurrence of groundwater in different rock types

10) Lithological, Stratigraphic and Structural control of groundwater occurrence.

11) Groundwater provenances of India

12) Groundwater conditions in different parts of Maharashtra.

Week 1: Introduction Groundwater hydrology		
Content	**Activities**	**Assessments**
Videos multimedia e-content, Textural handout reading material	Assessments discussion, Practical assessments	Quiz Assessments & Assignment
Week 2: Theory of groundwater flow + Hydrological properties of rock		
Videos multimedia e-content, Textural handout reading material	Assessments discussion, Practical assessments	Quiz Assessments & Assignment
Week 3: Occurrences of groundwater		
Videos multimedia e-content, Textural handout reading	Assessments discussion, Practical assessments	Quiz Assessments & Assignment

UNDERSTANDING PROGRAMME AND COURSE

Course :

5 hours of teaching in a week

3.20 min hours theory

1.40 min hours practical

4 credit course

Course Outcomes(COs) :

1. To understand occurrence and distribution of water beneath earth surface.
2. To understand interrelationship of groundwater with surface water and their interplay in environmental cycle.
3. Application of theory's governing groundwater movement in understanding occurrence of ground water.
4. To understand various rocks and their water bearing hydrological properties for primary application in occurrence of ground water.
5. To understand Ground water providences of India and to develop critical thinking on how groundwater conditions vary in India due to various groundwater providences.
6. Primary identification of various water bearing aquifers.
7. Course Outlines:
8. Groundwater Hydrology and its relation to other sciences.
9. Hydrological Cycle
10. Occurrence and distribution of groundwater
11. Water table and water table maps, Piezometric surface
12. Influent and affluent seepages and springs.
13. Theory of groundwater flow
14. Aquifers and their types

15. Hydrological properties of rocks

16. Occurrence of groundwater in different rock types

17. Lithological, Stratigraphic and Structural control of groundwater occurrence.

18. Groundwater provenances of India

19. Groundwater conditions in different parts of Maharashtra.

Course Schedule :

Online classes will be offered

Faculty: 1) Dr. M. M. Deshmukh, Head & Asst. Prof. Dept. of Geology, Shri Shivaji Science College, Amravati

2) Shri S. K. Paunikar,Asst. Prof. Dept. of Geology, Shri Shivaji Science College, Amravati

Syllabus:

Theory:

1. I) Groundwater Hydrology and its relation to other sciences.

II) Hydrogeological cycle

III) Occurrence and distribution of groundwater

2. I) Water table and water table maps, piezometric surface.

II) Influent and Affluent seepage and springs.

III) Theory of groundwater flow

IV) Aquifers and their types.

3. Hydrologic properties of rocks and their definition and methods of determination.(Porosity, permeability, Specific yield, Specific retention, etc)

4. I) Occurrence of groundwater in different rock types: Igneous, sedimentary and metamorphic rock.

II) Lithological, stratigraphic and structural control of groundwater occurrence.

III) Groundwater provinces of India.

IV) Groundwater conditions in different parts of Maharashtra.

Practical:

I) Study of Topographic survey sheets.

II) Plotting of groundwater provinces of India

Assessment

Timestamp	Email Address	Score
9/6/2021 13:28:34	nayabatharva@gmail.com	18 / 45
9/6/2021 13:29:53	Kajalmeshram924@gmail.	18 / 45
9/6/2021 13:36:16	yashwantkarale12@gmail.	3 / 45
9/6/2021 13:41:47	apeksha.talan@gmail.com	36 / 45
9/6/2021 13:43:25	sanket123@gmail.com	12 / 45
9/6/2021 13:48:05	vivekgaikwad440@gmail.c	21 / 45
9/6/2021 13:50:39	samikshagowardipe@gma	27 / 45
9/6/2021 14:02:30	samikshadeole1999@gma	36 / 45
9/6/2021 14:06:59	pohankarsachin6@gmail.c	27 / 45
9/6/2021 14:07:04	shwetasatpute55@gmail.c	45 / 45
9/6/2021 14:07:43	sakshichokhat6@gmail.co	45 / 45
9/6/2021 14:12:26	prajwaldeshmukh70@gma	15 / 45
9/6/2021 14:17:19	deshmukhkishor429@gma	27 / 45
9/6/2021 14:19:05	itsaryat.920@gmail.com	27 / 45
9/6/2021 14:21:01	bhagyashrikalane2003@g	27 / 45
9/6/2021 14:22:51	sayalihore68@gmail.com	21 / 45
9/6/2021 14:22:56	harikeshgawande3657@g	24 / 45
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9/6/2021 14:29:24	shrutikayadav280@gmail.c	33 / 45
9/6/2021 14:30:09	dnyaneshwarifendar@gma	33 / 45
9/6/2021 14:30:19	sejalkombe890@gmail.cor	33 / 45
9/6/2021 14:35:10	tejaswinikhobragade489@	3 / 45
9/6/2021 14:37:38	sumitmehar5@gmail.com	33 / 45
9/6/2021 14:51:54	sanketbadwaik4@gmail.cc	9 / 45
9/6/2021 14:57:20	mawaskardivya@gmail.co	18 / 45
9/6/2021 15:03:59	asmitadahikar2001@gmai	21 / 45
9/6/2021 15:12:56	dolasbharti20@gmail.com	36 / 45
9/6/2021 15:38:54	tejaswinichaware905@gm	18 / 45
9/6/2021 15:40:00	shreekarale123@gmail.co	12 / 45
9/6/2021 15:41:31	Kiransonwani770@gmail.c	36 / 45
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9/6/2021 16:08:14	aryandeshmukh866@gma	15 / 45
9/6/2021 16:13:34	katkarshivani26@gmail.co	9 / 45
9/6/2021 16:21:46	divyapatinge17@gmail.cor	33 / 45
9/6/2021 16:24:34	sakshiparkhi053@gmail.cc	24 / 45
9/6/2021 16:24:47	sakshideshmukh405@gma	24 / 45
9/6/2021 16:25:38	kirtitawale2001@gmail.cor	24 / 45
9/6/2021 16:34:25	shamleepathare53958@g	33 / 45
9/6/2021 17:57:02	sharmapriya.geo@gmail.c	33 / 45
9/6/2021 18:00:07	taywadejanavi@gmail.com	27 / 45
9/6/2021 18:18:51	abhishekgudadhe123@gm	24 / 45

Non-saturation zone	45 D/7	Rectangular	c) The Ganga – Brahmapu
Aeration zone	45 D/7	Dendritic	c) The Ganga – Brahmapu
Both	45 D/7	Dendritic	c) The Ganga – Brahmapu
Aeration zone	45 D/7	Rectangular	b) Himalayan High Land P
Non-saturation zone	45 D/7	Dendritic	c) The Ganga – Brahmapu
Aeration zone	45 D/7	Trellis	a) Cenozoic sedimentary p
None	45 D/7	Deranged	a) Cenozoic sedimentary p
Both	45 D/7	Trellis	b) Himalayan High Land P
Both	45 D/7	Deranged	d) Deccan trap
Non-saturation zone	45 D/7	Rectangular	a) Cenozoic sedimentary p
Non-saturation zone	45 D/7	Rectangular	b) Himalayan High Land P
None	45 D/7	Rectangular	a) Cenozoic sedimentary p
Non-saturation zone	45 D/7	Rectangular	a) Cenozoic sedimentary p
Both	45 D/8	Rectangular	b) Himalayan High Land P
Non-saturation zone	45 D/8	Rectangular	c) The Ganga – Brahmapu
Both	45 D/7	Rectangular	a) Cenozoic sedimentary p
Non-saturation zone	45 D/7	Rectangular	a) Cenozoic sedimentary p
Non-saturation zone	45 D/7	Rectangular	b) Himalayan High Land P
Non-saturation zone	45 D/7	Rectangular	a) Cenozoic sedimentary p
Non-saturation zone	45 D/8	Trellis	a) Cenozoic sedimentary p
Non-saturation zone	45 D/7	Rectangular	a) Cenozoic sedimentary p
Non-saturation zone	45 D/7	Rectangular	a) Cenozoic sedimentary p
Non-saturation zone	1: 50,000	Dendritic	b) Himalayan High Land P
Non-saturation zone	45 D/8	Dendritic	b) Himalayan High Land P
Non-saturation zone	45 D/7	Rectangular	b) Himalayan High Land P
Both	1: 50,000	Dendritic	d) Deccan trap
Aeration zone	45 D/7	Dendritic	c) The Ganga – Brahmapu
Aeration zone	45 D/7	Deranged	d) Deccan trap

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9/7/2021 8:00:07	abhijeettayade12344@gm	21 / 45
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9/7/2021 12:46:19	vaishnavivdhole@gmail.co	24 / 45
9/7/2021 15:06:08	vedantwankhade013@gm	15 / 45
9/8/2021 12:28:03	sarveshkahale21@gmail.c	15 / 45
9/8/2021 13:08:55	nikitabha2018@gmail.com	27 / 45
9/8/2021 13:14:31	kapilbaghaye02@gmail.co	21 / 45
9/8/2021 13:19:56	vikramshanware@gmail.c	18 / 45
9/8/2021 13:20:47	shriikant18@gmail.com	21 / 45
9/8/2021 13:40:22	dhandeabhijit54@gmail.co	30 / 45
9/8/2021 13:54:59	akankshauke01@gmail.co	33 / 45
9/8/2021 17:07:56	amwbhende1@gmail.com	18 / 45
9/9/2021 8:18:00	saurabhkaleb0214@gmail	6 / 45
9/9/2021 14:16:29	sumitwakekar123@gmail.(	15 / 45
9/9/2021 14:31:36	abhisolanke1243@gmail.c	45 / 45
9/9/2021 17:04:34	pranjalbhadke4@gmail.co	36 / 45
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9/11/2021 22:17:23	dipti.wankhade007@gmail	27 / 45
9/11/2021 22:54:55	arpitabidwaik123@gmail.c	15 / 45
9/14/2021 13:06:53	dhandeabhijit54@gmail.co	33 / 45
9/14/2021 13:09:32	dhandeabhijit54@gmail.co	33 / 45
9/14/2021 13:17:14	tejaswinikhobragade489@	3 / 45
9/14/2021 13:26:15	katkarshivani26@gmail.co	6 / 45
9/14/2021 14:03:32	shreekarale123@gmail.co	18 / 45
9/14/2021 16:37:49	sanketbadwaik4@gmail.cc	12 / 45
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Group	Gender	1.How is the groundwater (	2.in which province semi c
PHG	Male	Good	Both
PHG	Female	Good	Pre-Cambrian crystalline p
CAP	Male	Good	Pre-Cambrian crystalline p
PHG	Female	Low	Pre-Cambrian crystalline p
PHG	Male	Low	Precambrian sedimentary
PHG	Male	Very Good	Precambrian sedimentary
PHG	Female	Very Good	Precambrian sedimentary
PHG	Female	Low	Pre-Cambrian crystalline p
CAP	Male	Good	Precambrian sedimentary
CAP	Female	Low	Both
CAP	Female	Low	Both
CAP	Male	None	Pre-Cambrian crystalline p
PHG	Male	Good	Precambrian sedimentary
CAP	Female	Good	Precambrian sedimentary
CAP	Female	Good	Precambrian sedimentary
PHG	Female	Low	Pre-Cambrian crystalline p
CAP	Male	Good	Precambrian sedimentary
PHG	Female	Low	Precambrian sedimentary
CAP	Female	Very Good	Precambrian sedimentary
PHG	Female	Low	Pre-Cambrian crystalline p
CAP	Female	Good	Precambrian sedimentary
PHG	Female	Good	Precambrian sedimentary
CAP	Male	Good	Precambrian sedimentary
CAP	Male	Good	Pre-Cambrian crystalline p
CAP	Female	Good	Precambrian sedimentary
PHG	Female	Very Good	Pre-Cambrian crystalline p
PHG	Female	Low	Pre-Cambrian crystalline p
PHG	Female	Good	Precambrian sedimentary
CAP	Male	Very Good	Precambrian sedimentary
PHG	Male	Low	Pre-Cambrian crystalline p
PHG	Female	Low	Pre-Cambrian crystalline p
PHG	Female	Good	Precambrian sedimentary
CAP	Male	Very Good	None
PHG	Female	Very Good	Precambrian sedimentary
CAP	Female	Good	Precambrian sedimentary
PHG	Female	Good	Pre-Cambrian crystalline p
PHG	Female	Good	Pre-Cambrian crystalline p
CAP	Female	Good	Precambrian sedimentary
CAP	Female	Good	Precambrian sedimentary
PHG	Female	Low	Pre-Cambrian crystalline p
PHG	Female	Good	Precambrian sedimentary
PHG	Male	Very Good	Both
CAP	Female	Low	Pre-Cambrian crystalline p

Red bole	Precambrian sedimentary	Both	Sublimation
Vesicular traps	Gondwana sedimentary pr	Both	Infiltration
Vesicular traps	Gondwana sedimentary pr	Archean	Infiltration
Red bole	Gondwana sedimentary pr	Archean	Infiltration
Vesicular traps	Gondwana sedimentary pr	Precambrian	Sublimation
Vesicular traps	Deccan trap province	Both	Transpiration
Vesicular traps	Gondwana sedimentary pr	Precambrian	Infiltration
Vesicular traps	Gondwana sedimentary pr	Precambrian	Transpiration
Breccias	Deccan trap province	Both	Infiltration
Vesicular traps	Gondwana sedimentary pr	Precambrian	Infiltration
Vesicular traps	Gondwana sedimentary pr	Precambrian	Infiltration
Red bole	Gondwana sedimentary pr	Precambrian	Infiltration
Ash	Precambrian sedimentary	Archean	Precipitation
Ash	Deccan trap province	None	Transpiration
Breccias	Precambrian sedimentary	Precambrian	Infiltration
Red bole	Gondwana sedimentary pr	Precambrian	Infiltration
Red bole	Gondwana sedimentary pr	Precambrian	Infiltration
Vesicular traps	Gondwana sedimentary pr	Precambrian	Infiltration
Red bole	Gondwana sedimentary pr	Both	Infiltration
Ash	Gondwana sedimentary pr	Precambrian	Transpiration
Red bole	Gondwana sedimentary pr	Precambrian	Infiltration
Red bole	Gondwana sedimentary pr	Precambrian	Infiltration
Vesicular traps	Gondwana sedimentary pr	Archean	Transpiration
Breccias	Gondwana sedimentary pr	Archean	Transpiration
Vesicular traps	Deccan trap province	Archean	Transpiration
Vesicular traps	Precambrian sedimentary	Precambrian	Infiltration
Ash	Gondwana sedimentary pr	Archean	Infiltration
Breccias	Gondwana sedimentary pr	Archean	Precipitation

PHG	Male	None	Precambrian sedimentary
PHG	Male	Very Good	Both
PHG	Male	Very Good	Both
CAP	Female	Low	Precambrian sedimentary
PHG	Male	None	Both
PHG	Male	Low	Pre-Cambrian crystalline p
CAP	Female	Low	Pre-Cambrian crystalline p
PHG	Male	Good	Both
PHG	Male	Good	Both
CAP	Male	Good	Pre-Cambrian crystalline p
PHG	Male	Low	Both
PHG	Female	Good	Precambrian sedimentary
PHG	Male	Low	Precambrian sedimentary
PHG	Male	Good	Pre-Cambrian crystalline p
CAP	Male	Good	Precambrian sedimentary
PHG	Male	Low	Both
PHG	Female	Low	Pre-Cambrian crystalline p
PHG	Female	Good	Both
PHG	Female	Very Good	Precambrian sedimentary
PHG	Female	Good	Pre-Cambrian crystalline p
PHG	Male	Low	Pre-Cambrian crystalline p
PHG	Male	Low	Pre-Cambrian crystalline p
PHG	Female	Good	Precambrian sedimentary
PHG	Female	Low	Precambrian sedimentary
CAP	Male	Good	Both
CAP	Male	Good	Precambrian sedimentary
PHG	Female	Good	Pre-Cambrian crystalline p
PHG	Male	Very Good	Both

3.In Deccan trap province,	4.In this map, which is the	5.Age of pre-Cambrian cry	6.What is the process
Vesicular traps	Gondwana sedimentary pr	Precambrian	Infiltration
Vesicular traps	None	Precambrian	Infiltration
Ash	Deccan trap province	Archean	Transpiration
Red bole	Gondwana sedimentary pr	Precambrian	Infiltration
Vesicular traps	Deccan trap province	Both	Sublimation
Red bole	Deccan trap province	Precambrian	Precipitation
Vesicular traps	Gondwana sedimentary pr	Archean	Infiltration
Red bole	Gondwana sedimentary pr	Archean	Infiltration
Red bole	Gondwana sedimentary pr	Both	Infiltration
Red bole	Gondwana sedimentary pr	Precambrian	Infiltration
Red bole	Gondwana sedimentary pr	Precambrian	Infiltration
Red bole	Gondwana sedimentary pr	Both	Infiltration
Red bole	Gondwana sedimentary pr	Both	Infiltration
Red bole	Gondwana sedimentary pr	Both	Infiltration
Red bole	Gondwana sedimentary pr	Both	Infiltration
Ash	Gondwana sedimentary pr	Precambrian	Infiltration
Red bole	Deccan trap province	Both	Infiltration
Red bole	Gondwana sedimentary pr	Precambrian	Infiltration
Red bole	Gondwana sedimentary pr	Precambrian	Infiltration
Red bole	Gondwana sedimentary pr	Precambrian	Infiltration
Red bole	Gondwana sedimentary pr	Precambrian	Infiltration
Breccias	Deccan trap province	Precambrian	Transpiration
Red bole	Gondwana sedimentary pr	Precambrian	Infiltration
Vesicular traps	Deccan trap province	Precambrian	Infiltration
Red bole	Gondwana sedimentary pr	Archean	Infiltration
Vesicular traps	Gondwana sedimentary pr	Precambrian	Infiltration
Red bole	Gondwana sedimentary pr	Precambrian	Infiltration
Red bole	Gondwana sedimentary pr	Precambrian	Infiltration
Vesicular traps	Precambrian sedimentary	Precambrian	Infiltration
Red bole	Gondwana sedimentary pr	Precambrian	Infiltration
Red bole	Gondwana sedimentary pr	Precambrian	Infiltration
Red bole	Gondwana sedimentary pr	Precambrian	Infiltration
Vesicular traps	Gondwana sedimentary pr	Both	Sublimation
Red bole	Precambrian sedimentary	Archean	Precipitation
Red bole	Gondwana sedimentary pr	Precambrian	Infiltration
Red bole	Gondwana sedimentary pr	Both	Infiltration
Red bole	Gondwana sedimentary pr	Both	Infiltration
Red bole	Gondwana sedimentary pr	Both	Infiltration
Red bole	Gondwana sedimentary pr	Precambrian	Infiltration
Red bole	Gondwana sedimentary pr	Precambrian	Infiltration
Breccias	Gondwana sedimentary pr	Precambrian	Infiltration
Breccias	Gondwana sedimentary pr	Archean	Infiltration
Red bole	Gondwana sedimentary pr	Precambrian	Infiltration

7.The water occurs in ------	8.What is the number of to	9.Identify the drainage patt	10.which province compris
Non-saturation zone	45 D/8	Dendritic	b) Himalayan High Land P
Non-saturation zone	45 D/7	Rectangular	c) The Ganga – Brahmapu
Aeration zone	1: 50,000	Dendritic	a) Cenozoic sedimentary p
Both	45 D/7	Rectangular	a) Cenozoic sedimentary p
Both	45 D/7	Dendritic	b) Himalayan High Land P
Both	45 D/7	Deranged	c) The Ganga – Brahmapu
Both	45 D/7	Rectangular	c) The Ganga – Brahmapu
Both	45 D/7	Rectangular	a) Cenozoic sedimentary p
Aeration zone	45 D/7	Rectangular	a) Cenozoic sedimentary p
Both	45 D/7	Rectangular	a) Cenozoic sedimentary p
Both	45 D/7	Rectangular	a) Cenozoic sedimentary p
Non-saturation zone	1: 50,000	Trellis	b) Himalayan High Land P
Non-saturation zone	45 D/7	Rectangular	a) Cenozoic sedimentary p
Non-saturation zone	45 D/7	Rectangular	a) Cenozoic sedimentary p
Non-saturation zone	45 D/7	Rectangular	a) Cenozoic sedimentary p
Non-saturation zone	45 D/7	Rectangular	d) Deccan trap
Non-saturation zone	45 D/7	Rectangular	a) Cenozoic sedimentary p
None	1: 50,000	Trellis	a) Cenozoic sedimentary p
Non-saturation zone	45 D/7	Rectangular	a) Cenozoic sedimentary p
None	45 D/7	Dendritic	a) Cenozoic sedimentary p
None	45 D/7	Rectangular	a) Cenozoic sedimentary p
Aeration zone	45 D/8	Trellis	b) Himalayan High Land P
None	45 D/7	Rectangular	a) Cenozoic sedimentary p
None	1: 50,000	Trellis	c) The Ganga – Brahmapu
Non-saturation zone	45 D/7	Trellis	c) The Ganga – Brahmapu
Non-saturation zone	45 D/7	Rectangular	b) Himalayan High Land P
Non-saturation zone	45 D/7	Rectangular	a) Cenozoic sedimentary p
Non-saturation zone	45 D/7	Trellis	d) Deccan trap
Both	1: 50,000	Dendritic	b) Himalayan High Land P
Non-saturation zone	45 D/7	Rectangular	a) Cenozoic sedimentary p
Non-saturation zone	45 D/7	Rectangular	a) Cenozoic sedimentary p
None	45 D/7	Rectangular	a) Cenozoic sedimentary p
None	45 D/8	Rectangular	b) Himalayan High Land P
Aeration zone	1: 50,000	Dendritic	c) The Ganga – Brahmapu
None	45 D/7	Rectangular	a) Cenozoic sedimentary p
Non-saturation zone	45 D/7	Rectangular	a) Cenozoic sedimentary p
Non-saturation zone	45 D/7	Rectangular	a) Cenozoic sedimentary p
Non-saturation zone	45 D/7	Rectangular	a) Cenozoic sedimentary p
None	45 D/7	Rectangular	a) Cenozoic sedimentary p
Non-saturation zone	45 D/7	Dendritic	a) Cenozoic sedimentary p
Both	45 D/7	Dendritic	b) Himalayan High Land P
Aeration zone	45 D/7	Dendritic	a) Cenozoic sedimentary p
Both	45 D/7	Rectangular	a) Cenozoic sedimentary p

11.Which rock covers mor	12.Which rocks in Mahara	13.e=Vv/Vs*100 is formula	14.the transmission capab
3.Basalts	Upper Gondawana	void ratio	TRANSMISSIVITY
3.Basalts	Upper Gondawana	void ratio	Is porosity
1.Volcanic Rocks	Upper Gondawana	porosity	Is porosity
4.Both 1 & 3	Lower Gondawana	porosity	TRANSMISSIVITY
3.Basalts	Cuddapah	specific retention	hydraulic gradient
2.Gondawana Sandstones	Lower Gondawana	void ratio	hydraulic gradient
4.Both 1 & 3	Cuddapah	void ratio	TRANSMISSIVITY
4.Both 1 & 3	Basalt	void ratio	TRANSMISSIVITY
4.Both 1 & 3	Upper Gondawana	void ratio	TRANSMISSIVITY
4.Both 1 & 3	Lower Gondawana	void ratio	TRANSMISSIVITY
4.Both 1 & 3	Lower Gondawana	void ratio	TRANSMISSIVITY
4.Both 1 & 3	Lower Gondawana	specific yield	Is porosity
4.Both 1 & 3	Upper Gondawana	void ratio	TRANSMISSIVITY
4.Both 1 & 3	Upper Gondawana	void ratio	TRANSMISSIVITY
4.Both 1 & 3	Upper Gondawana	void ratio	TRANSMISSIVITY
3.Basalts	Basalt	specific retention	TRANSMISSIVITY
4.Both 1 & 3	Upper Gondawana	void ratio	TRANSMISSIVITY
1.Volcanic Rocks	Upper Gondawana	void ratio	TRANSMISSIVITY
4.Both 1 & 3	Cuddapah	void ratio	TRANSMISSIVITY
4.Both 1 & 3	Basalt	void ratio	TRANSMISSIVITY
4.Both 1 & 3	Cuddapah	void ratio	TRANSMISSIVITY
2.Gondawana Sandstones	Upper Gondawana	specific yield	Specific retention
4.Both 1 & 3	Cuddapah	void ratio	TRANSMISSIVITY
3.Basalts	Basalt	void ratio	Is porosity
2.Gondawana Sandstones	Basalt	specific retention	TRANSMISSIVITY
3.Basalts	Upper Gondawana	porosity	TRANSMISSIVITY
4.Both 1 & 3	Lower Gondawana	void ratio	TRANSMISSIVITY
3.Basalts	Basalt	specific retention	TRANSMISSIVITY
3.Basalts	Basalt	void ratio	Specific retention
4.Both 1 & 3	Basalt	void ratio	TRANSMISSIVITY
4.Both 1 & 3	Basalt	void ratio	TRANSMISSIVITY
4.Both 1 & 3	Cuddapah	void ratio	TRANSMISSIVITY
2.Gondawana Sandstones	Basalt	void ratio	TRANSMISSIVITY
4.Both 1 & 3	Lower Gondawana	porosity	hydraulic gradient
4.Both 1 & 3	Cuddapah	void ratio	TRANSMISSIVITY
3.Basalts	Cuddapah	void ratio	TRANSMISSIVITY
3.Basalts	Cuddapah	void ratio	TRANSMISSIVITY
3.Basalts	Cuddapah	void ratio	TRANSMISSIVITY
4.Both 1 & 3	Cuddapah	void ratio	TRANSMISSIVITY
4.Both 1 & 3	Lower Gondawana	void ratio	TRANSMISSIVITY
4.Both 1 & 3	Basalt	void ratio	TRANSMISSIVITY
4.Both 1 & 3	Lower Gondawana	porosity	TRANSMISSIVITY
4.Both 1 & 3	Lower Gondawana	porosity	TRANSMISSIVITY

2.Gondawana Sandstones	Cuddapah	specific retention	hydraulic gradient
4.Both 1 & 3	Basalt	void ratio	TRANSMISSIVITY
4.Both 1 & 3	Basalt	void ratio	TRANSMISSIVITY
3.Basalts	Upper Gondawana	void ratio	TRANSMISSIVITY
4.Both 1 & 3	Upper Gondawana	specific retention	Specific retention
4.Both 1 & 3	Basalt	porosity	TRANSMISSIVITY
4.Both 1 & 3	Upper Gondawana	void ratio	TRANSMISSIVITY
1.Volcanic Rocks	Lower Gondawana	void ratio	Specific retention
4.Both 1 & 3	Upper Gondawana	void ratio	Is porosity
1.Volcanic Rocks	Cuddapah	void ratio	hydraulic gradient
3.Basalts	Cuddapah	void ratio	TRANSMISSIVITY
4.Both 1 & 3	Cuddapah	void ratio	TRANSMISSIVITY
3.Basalts	Upper Gondawana	void ratio	TRANSMISSIVITY
1.Volcanic Rocks	Basalt	porosity	Specific retention
2.Gondawana Sandstones	Lower Gondawana	specific yield	Specific retention
4.Both 1 & 3	Lower Gondawana	void ratio	TRANSMISSIVITY
4.Both 1 & 3	Lower Gondawana	void ratio	TRANSMISSIVITY
3.Basalts	Basalt	porosity	TRANSMISSIVITY
4.Both 1 & 3	Upper Gondawana	void ratio	TRANSMISSIVITY
4.Both 1 & 3	Cuddapah	void ratio	hydraulic gradient
4.Both 1 & 3	Cuddapah	void ratio	TRANSMISSIVITY
4.Both 1 & 3	Cuddapah	void ratio	TRANSMISSIVITY
1.Volcanic Rocks	Cuddapah	specific yield	Specific retention
3.Basalts	Basalt	porosity	Specific retention
4.Both 1 & 3	Basalt	void ratio	TRANSMISSIVITY
3.Basalts	Basalt	specific retention	TRANSMISSIVITY
3.Basalts	Basalt	specific yield	Specific retention
4.Both 1 & 3	Upper Gondawana	void ratio	TRANSMISSIVITY

Summary Report and Outcome

Department of Geology

Value Added Course 2020-21

Summary Report

Department of Geology conducted value-added "Certificate course on groundwater exploration" (Hydrogeology) in session 2020-21 dated 17th August 2021 to 6th September 2021 for duration of 20 days and total of 69 students participated in this course. In course was in towards making students aware about introductory requirement to understand ground water exploration and its related problems. This course covered building-block contains to understand groundwater and its integral relationship with geology. After completion of course students are able to understand groundwater conditions in various lithological units and expected behaviour groundwater in varied litho-stratigraphic unit in relation to various geological structure. Students learned about importance of groundwater in changing societies and why sustainable use of groundwater is necessary. Course also enriched students on groundwater conditions in various parts of Maharashtra and surrounding area.

Course Out-Come: -

1) Students were able to understand and analyze various components and interrelationship of hydrological cycle.

2) Understanding of Occurrences and distribution of groundwater and better Understand about interrelationship between groundwater and surface water.

3) Learning, understanding of theories governing groundwater and its application in understanding flow of water beneath Earth surface and gained applicable knowledge of different rock types to understand their water holding capacities.

4) Broad Understanding of groundwater provinces of India and better understand of groundwater conditions in various parts of Maharashtra.

Dept. of Languages (Certificate Course in English Communication Skill)

Name and Duration of the Program

ShriShivaji Science College, Amravati

Department of Languages

Add-On Course- 2020-21

Certificate Course in English Communication Skills

Course Duration: 30 Hrs.

Students enrolled: 69

Dates: 01.09.2020-30.09.2020

Course Coordinator- Punam V. Barabde

Notice

11.08.2020

Shri Shivaji Science College, Amravati

Certificate Course in

English Communication Skills 2020-21

To be introduced by

The Department of Languages

The students are hereby informed that the Department of Languages is introducing an Add-On Corse entitled **"Certificate Course in English Communication skills"**. Any student enrolled for UG/PG course in this college can apply for this course which is starting from **01.09.2020**

Interested students should enroll themselves **before 01.09.2020**online.

Course Details:

- **Course Duration: 30 Hrs.**
- **Examination Pattern:**

Total Marks 200
4 assignments (25 marks each) = 100 Marks
Theory: Written Examination of 01 Hr. comprising 40 Multiple- Choice Questions carrying 80 Marks
10 Questions on Sentence Formation carrying 20 Marks

Successful students will be provided Certificates of the Course.

CRITERIA TO GET A CERTIFICATE

- Average assignment score = 60 %.
- Exam score = 60 %
- Final score = Average of assignment score + Exam score

Minimum Marks to pass the Examination: 120/200
Successful students will be provided Certificates of the Course.

- **Course Fees- No Fees will be charged from this college students**

The details regarding the Course Contents are displayed on the Departmental Notice Board of the Department of Languages.

List of the Students Enrolled and Attendance

Full Name	College Name	Class	Group
Rutika Pramod Diware	Shri Shivaji Science College	B.Sc I	BIO
Shreyash N Kale	Shri Shivaji Science College	B.Sc I	BIO
Ku Sakshi Gajanan Barde	Shri Shivaji Science College	B.Sc I	BIO
Sakshi Dnyaneshwarrao Kale	Shri Shivaji Science College	B.Sc I	BIO
Shreya Sanjay Tekade	Shri Shivaji Science College	B.Sc I	BIO
Chanchal vilas belsare	Shri Shivaji Science College	B.Sc I	BIO
Sakshi Omprakash Barve	Shri Shivaji Science College	B.Sc I	BIO
Silviya Gaigole	Shri Shivaji Science College	B.Sc I	BIO
Ku pranjali Suresh aswar	Shri Shivaji Science College	B.Sc I	BIO
Priyanka Janardan Wagh	Shri Shivaji Science College	B.Sc I	CAM
Kalyani Sanjay jadhav	Shri Shivaji Science College	B.Sc I	CAM
Sampada anil chore	Shri Shivaji Science College	B.Sc I	CAM
Samiksha Rammurti Iyer	Shri Shivaji Science College	B.Sc I	CAM
Sejal kishor kombe	Shri Shivaji Science College	B.Sc I	CAP
Shubhangi rajesh charpe	Shri Shivaji Science College	B.Sc I	CAS
Sakshi gajanan udaykar	Shri Shivaji Science College	B.Sc I	CAS
Yogeshwari prakash Bambal	Shri Shivaji Science College	B.Sc I	CAS
Nikuta sheshrao madavi	Shri Shivaji Science College	B.Sc I	CBZ
Mahima Anantarao Itkikar	Shri Shivaji Science College	B.Sc I	CBZ
Akshada Nandkishor Dharme	Shri Shivaji Science College	B.Sc I	CBZ
Soham Vikasrao Chaukade	Shri Shivaji Science College	B.Sc I	CBZ
Samiksha Dipak Chawale	Shri Shivaji Science College	B.Sc I	CBZ
Sakshi Mahendra Malik	Shri Shivaji Science College	B.Sc I	CBZ
Vikesh Ramprasad Gathe	Shri Shivaji Science College	B.Sc I	CBZ
Manjiri Umeshrao Deotale	Shri Shivaji Science College	B.Sc I	CBZ
Namrata Nitin Nimbhorkar.	Shri Shivaji Science College	B.Sc I	CBZ
Aishwarya Dadarao tayade	Shri Shivaji Science College	B.Sc I	CEZ
Pushyasuraj Prakash Janbandhu	Shri Shivaji Science College	B.Sc I	CMP
Aniket Payghan	Shri Shivaji Science College	B.Sc I	CMP
Vedangi Deepakrao Shirbhate	Shri Shivaji Science College	B.Sc I	CMP
Sakshi Panditrao Patil	Shri Shivaji Science College	B.Sc I	CMP
Ruchika Kishor Baraskar	Shri Shivaji Science College	B.Sc I	CMP
Shivtej Manoj Jamnekar	Shri Shivaji Science College	B.Sc I	CMP
Siddhesh Uddhao Gawande	Shri Shivaji Science College	B.Sc I	CMP
Shreya Nitin Pande	Shri Shivaji Science College	B.Sc I	CMP
Komal Kashani	Shri Shivaji Science College	B.Sc I	CMP
Sakshi Sudhirrao Anasane	Shri Shivaji Science College	B.Sc I	CMP
Shubhangi Pravinrao Raut	Shri Shivaji Science College	B.Sc I	CMP
Sakshi Dipakrao Mondhe	Shri Shivaji Science College	B.Sc I	CSM
Harshal Panpatil	Shri Shivaji Science College	B.Sc I	CSM
Shrutika Vinayak Rakhonde	Shri Shivaji Science College	B.Sc I	CSM
Nayan Dilip Sonkar	Shri Shivaji Science College	B.Sc I	CSM
Rakesh Ravindra Zamde	Shri Shivaji Science College	B.Sc I	CSM
Dnyaneshwari sunil kewatkar	Shri Shivaji Science College	B.Sc I	CSM

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Pranjali Jivanrao Ingole	Shri Shivaji Science College	B.Sc I	CSM
Pooja prakash Varma	Shri Shivaji Science College	B.Sc I	CSM
Vishakha Prakash Nagzirkar	Shri Shivaji Science College	B.Sc I	CSM
Komal Sanjiv Adhau	Shri Shivaji Science College	B.Sc I	CSM
Harsh pandey	Shri Shivaji Science College	B.Sc I	CSM
Neha Baburao Vaidya	Shri Shivaji Science College	B.Sc I	CSM
Harshada Ashok Rahate	Shri Shivaji Science College	B.Sc I	CSM
Hemant vitthal Rathod	Shri Shivaji Science College	B.Sc I	CSM
Sharwari diwakar bhedarkar	Shri Shivaji Science College	B.Sc I	CSM
Nikita shravan chandiwale	Shri Shivaji Science College	B.Sc I	CSM
Sakshi sanjay Darekar	Shri Shivaji Science College	B.Sc I	CSM
Adika Bhaiyyasaheb Thakare	Shri Shivaji Science College	B.Sc I	CSM
Kalyani Khond	Shri Shivaji Science College	B.Sc I	CSM
Tanvi Diliprao Dhawane	Shri Shivaji Science College	B.Sc I	CSM
Rutuja Deshmukh	Shri Shivaji Science College	B.Sc I	CSM
Swati Sudhakar waghmare	Shri Shivaji Science College	B.Sc I	PCM
BHAGYASHREE VIJAY AKHARE	Shri Shivaji Science College	B.Sc I	PCM
Anushri . Shivajirao . Kitukale	Shri Shivaji Science College	B.Sc I	PCM
Srushti Virendra Barbudhe	Shri Shivaji Science College	B.Sc I	PCM
Sejal Vinod Tiwari	Shri Shivaji Science College	B.Sc I	PCM
Sakshi Shyam Tayade	Shri Shivaji Science College	B.Sc I	PCM
Prajakta Gajanan Pimpalshende	Shri Shivaji Science College	B.Sc I	PCM
Dipti Anil Thakre	Shri Shivaji Science College	B.Sc I	PCM
Vaishnavi Ganesh Gawande	Shri Shivaji Science College	B.Sc I	PCM
Arpit Rajendra kale	Shri Shivaji Science College	B.Sc I	PCM

Curriculum and Time table

Online Certificate course in English Communication Skills

1. Programme Objectives:

- To enable the learners to gain basic English Grammar and conceptual knowledge in the Englishlanguage.
- To enable the students to communicate in English effectively.
- To help the students develop a sophisticated awareness of the structure of English, its heritageand role in the world today.
- To enable the students with skills necessary to face interviews/ Group Discussions and to acquire placements.

2. Target Group of Learners:

- Students enrolled for any U.G./P.G. programme in this college.

3. Expected Course Learning Outcomes

- Introduction to the Language
- Skills: Listening Speaking and Reading
- The learner is enabled with the English sound system and identify sounds and rhythm of English language
- Basic Grammar and Grammar in Context
- The learner is able to learn basic English Grammar
- Presentation Skills: The learner is able to know the techniques of presentation skills

4. Course Contents:

Moudle -I. Introduction to the Language Skills: Listening, Speaking and Reading.

1. Nature and significance of English Language
2. Introduction to the skills of Language
3. Listening and speaking skills
4. Introduction to English sounds
5. Vowel sounds
6. Consonantal sounds
7. Word accent and stress shift
8. Accent and rhythm in connected speech
9. Intonation
10. Listening Radio and TV programmes and recorded conversations and differentaccents.

Module -II Basic Grammar and Grammar in context

1. Introduction to English Grammar
2. Parts of speech
3. Verb, Tenses: Form and use
4. Use of auxiliaries and Modals
5. Articles and prepositions
7. Kinds of sentences
8. Transformations of sentences
9. Voices
10. Narration
11. Common Errors

Module III: Language in Context

1. Greetings and Introducing
2. Asking for information
3. Persuasions
4. Starting a conversation; greeting and asking after
5. Introduction of oneself and others
6. Thanking, Wishing well, apologizing and excusing
7. Offers, requests and orders
8. Inviting, suggesting, accepting and refusing
9. Likes and dislikes
10. Completing a dialogue
11. Seeking permission
12. Offering and giving advice
13. Speaking about oneself
14. Language in formal, semi-formal and informal context

Module-IV Presentation Skills

1. Presentation Techniques
2. Use of quotations and anecdotes
3. Organizing a seminar/symposium/workshop/conference
4. Welcome Address and Vote of Thanks
5. Body Language
6. Interview
7. Essay-writing
8. Letter-writing
9. Preparation of Resume
10. Report-Writing: Newspaper Reports and Minutes of the Meeting
11. Summarizing, Note-Making and Note-Taking
12. Information Transfer
13. E-Communication- E-Mails

List of Students Enrolled:

Weekly Plan:

Week 1 **1st September –** **5th September** **2020**	**Module -I Basic English Grammar and Grammar in Context** 1. Significance of the English language 2. Significance of English Grammar 3. Punctuation 4. Subject-Verb Agreement 5. Articles 6. Parts of speech
Week 2 **7th September –** **12th September** **2020**	**Module -I Basic English Grammar and Grammar in Context** 1. Prepositions 2. Kinds of sentences 3. Tenses Form 4. Use ofTenses 5. Voices 6. Narration
Week 3 **14th September –** **19th September** **2020**	**Moudle -II. Listening, Speaking and Reading Skills.** 1. Introduction to the skills of the English Language 2. Improving Listening skills 3. Improving Reading skills 4. Improving Speaking skills 5. Greetings and Introducing 6. Seeking Permissions 7. Self-Introduction 8. Inviting, suggesting, accepting and refusing 9. Completing a dialogue 10. Language in formal, semi-formal and informal context
Week 4 **21th September –** **26th September** **2020**	**Module-III:Writing Skills** 1. Essay-writing 2. Letter-writing 3. Preparation of Resume 4. Report-Writing: Newspaper Reports and Minutes of the Meeting 5. Summarizing, Note-Making and Note-Taking 6. Writing E-Mails & Blogs **Module-IV Presentation Skills** 1. Effective Presentation Techniques 2. Seminar Presentations 3.Compering, Welcome Address and Vote of Thanks 4. Body Language

Assessment

Add-On Course- 2020-21

Certificate Course in English Communication Skills

Full Name	College Name	Class	Group	Marks
Rutika Pramod Diware	Shri Shivaji Science College	B.Sc I	BIO	190
Shreyash N Kale	Shri Shivaji Science College	B.Sc I	BIO	150
Ku Sakshi Gajanan Barde	Shri Shivaji Science College	B.Sc I	BIO	164
Sakshi Dnyaneshwarrao Kale	Shri Shivaji Science College	B.Sc I	BIO	145
Shreya Sanjay Tekade	Shri Shivaji Science College	B.Sc I	BIO	120
Chanchal vilas belsare	Shri Shivaji Science College	B.Sc I	BIO	170
Sakshi Omprakash Barve	Shri Shivaji Science College	B.Sc I	BIO	165
Silviya Gaigole	Shri Shivaji Science College	B.Sc I	BIO	174
Ku pranjali Suresh aswar	Shri Shivaji Science College	B.Sc I	BIO	160
Priyanka Janardan Wagh	Shri Shivaji Science College	B.Sc I	CAM	177
Kalyani Sanjay jadhav	Shri Shivaji Science College	B.Sc I	CAM	145
Sampada anil chore	Shri Shivaji Science College	B.Sc I	CAM	139
Samiksha Rammurti Iyer	Shri Shivaji Science College	B.Sc I	CAM	120
Sejal kishor kombe	Shri Shivaji Science College	B.Sc I	CAP	184
Shubhangi rajesh charpe	Shri Shivaji Science College	B.Sc I	CAS	154
Sakshi gajanan udaykar	Shri Shivaji Science College	B.Sc I	CAS	160
Yogeshwari prakash Bambal	Shri Shivaji Science College	B.Sc I	CAS	156
Nikuta sheshrao madavi	Shri Shivaji Science College	B.Sc I	CBZ	143
Mahima Anantarao Itkikar	Shri Shivaji Science College	B.Sc I	CBZ	150
Akshada Nandkishor Dharme	Shri Shivaji Science College	B.Sc I	CBZ	160
Soham Vikasrao Chaukade	Shri Shivaji Science College	B.Sc I	CBZ	158
Samiksha Dipak Chawale	Shri Shivaji Science College	B.Sc I	CBZ	160
Sakshi Mahendra Malik	Shri Shivaji Science College	B.Sc I	CBZ	137
Vikesh Ramprasad Gathe	Shri Shivaji Science College	B.Sc I	CBZ	139
Manjiri Umeshrao Deotale	Shri Shivaji Science College	B.Sc I	CBZ	158
Namrata Nitin Nimbhorkar.	Shri Shivaji Science College	B.Sc I	CBZ	134
Aishwarya Dadarao tayade	Shri Shivaji Science College	B.Sc I	CEZ	163
Pushyasuraj Prakash Janbandhu	Shri Shivaji Science College	B.Sc I	CMP	165
Aniket Payghan	Shri Shivaji Science College	B.Sc I	CMP	175
Vedangi Deepakrao Shirbhate	Shri Shivaji Science College	B.Sc I	CMP	178
Sakshi Panditrao Patil	Shri Shivaji Science College	B.Sc I	CMP	184
Ruchika Kishor Baraskar	Shri Shivaji Science College	B.Sc I	CMP	171
Shivtej Manoj Jamnekar	Shri Shivaji Science College	B.Sc I	CMP	182
Siddhesh Uddhao Gawande	Shri Shivaji Science College	B.Sc I	CMP	169
Shreya Nitin Pande	Shri Shivaji Science College	B.Sc I	CMP	182
Komal Kashani	Shri Shivaji Science College	B.Sc I	CMP	188
Sakshi Sudhirrao Anasane	Shri Shivaji Science College	B.Sc I	CMP	147
Shubhangi Pravinrao Raut	Shri Shivaji Science College	B.Sc I	CMP	184
Sakshi Dipakrao Mondhe	Shri Shivaji Science College	B.Sc I	CSM	186

arshal Panpatil	Shri Shivaji Science College	B.Sc I	CSM	182
nrutika Vinayak Rakhonde	Shri Shivaji Science College	B.Sc I	CSM	186
ayan Dilip Sonkar	Shri Shivaji Science College	B.Sc I	CSM	153
akesh Ravindra Zamde	Shri Shivaji Science College	B.Sc I	CSM	186
nyaneshwari sunil kewatkar	Shri Shivaji Science College	B.Sc I	CSM	190
anjali Jivanrao Ingole	Shri Shivaji Science College	B.Sc I	CSM	160
ooja prakash Varma	Shri Shivaji Science College	B.Sc I	CSM	190
shakha Prakash Nagzirkar	Shri Shivaji Science College	B.Sc I	CSM	162
omal Sanjiv Adhau	Shri Shivaji Science College	B.Sc I	CSM	168
arsh pandey	Shri Shivaji Science College	B.Sc I	CSM	160
eha Baburao Vaidya	Shri Shivaji Science College	B.Sc I	CSM	151
arshada Ashok Rahate	Shri Shivaji Science College	B.Sc I	CSM	164
emant vitthal Rathod	Shri Shivaji Science College	B.Sc I	CSM	154
harwari diwakar bhedarkar	Shri Shivaji Science College	B.Sc I	CSM	152
kita shravan chandiwale	Shri Shivaji Science College	B.Sc I	CSM	164
akshi sanjay Darekar	Shri Shivaji Science College	B.Sc I	CSM	182
dika Bhaiyyasaheb Thakare	Shri Shivaji Science College	B.Sc I	CSM	123
alyani Khond	Shri Shivaji Science College	B.Sc I	CSM	186
anvi Diliprao Dhawane	Shri Shivaji Science College	B.Sc I	CSM	163
utuja Deshmukh	Shri Shivaji Science College	B.Sc I	CSM	184
wati Sudhakar waghmare	Shri Shivaji Science College	B.Sc I	PCM	182
HAGYASHREE VIJAY AKHARE	Shri Shivaji Science College	B.Sc I	PCM	184
nushri . Shivajirao . Kitukale	Shri Shivaji Science College	B.Sc I	PCM	186
ushti Virendra Barbudhe	Shri Shivaji Science College	B.Sc I	PCM	186
ejal Vinod Tiwari	Shri Shivaji Science College	B.Sc I	PCM	154
akshi Shyam Tayade	Shri Shivaji Science College	B.Sc I	PCM	143
ajakta Gajanan Pimpalshende	Shri Shivaji Science College	B.Sc I	PCM	160
pti Anil Thakre	Shri Shivaji Science College	B.Sc I	PCM	151
aishnavi Ganesh Gawande	Shri Shivaji Science College	B.Sc I	PCM	145
pit Rajendra kale	Shri Shivaji Science College	B.Sc I	PCM	150

Summary Report and Outcome

Expected Course Learning Outcomes I

- Introduction to the Language
- Skills: Listening Speaking and Reading
- The learner is enabled with the English sound system and identify sounds and rhythm of English language
- Basic Grammar and Grammar in Context
- The learner is able to learn basic English Grammar
- Presentation Skills: The learner is able to know the techniques of presentation skills

Expected Courses Learning Outcomes II

- Understand the significance of the words.
- Recognize special characteristics of words so as to choose the right words to express ideas and thoughts.
- Study word structure, including roots, prefixes and suffixes.
- Study word meanings and realize the necessity of using the right word.
- Achieve accuracy in spelling.
- Use dictionary proficiently.

* Increase your storehouse of words.

Dept. of Language (Online Certificate Course in English Vocabulary Building)

Name and Duration of the Program

Notice

20.08.2020

Shri Shivaji Science College, Amravati

Online Certificate Course in

English Vocabulary Building- 2020-21

To be introduced by

The Department of Languages

The students are hereby informed that the Department of Languages is introducing a Value Added Course entitled **"Online Certificate Course in Vocabulary Building".** Any student enrolled for UG/PG course in this college can apply for this course which is **starting from 04.09.2020.**

Interested students should enroll themselves before31.08.2020 online.

Course Details:

- **Course Duration: 30 Hrs.**
- **Examination Pattern:**

Theory: Written Examination of 01 Hr. comprising
40 Multiple- Choice Questions carrying 80 Marks
Assignments carrying 20 Marks
Minimum Marks to pass the Examination: 40/100
Successful students will be provided Certificates of the Course.

- **Course Fees-No Fees will be charged from this college students**

The details regarding the Course Contents are displayed on the Departmental Notice Board of the Department of Languages.

List of the Students Enrolled and Attendance

Email Address	Full Name	College Name	Class
zadetanvi2@gmail.com	Tanavi zade	Shree Shivaji science college	Bsc
rahateaditi07@gmail.com	Aditi Diliprao Rahate.	Shri.Shivaji Science College,Amravati.	Bsc-II
simraningle26@gmail.com	Simran babulal ingle	Shri shivaji science college amravti	Bsc 1st year
adeshdeshmukh2001@gmail.com	Adesh Deshmukh	Shri shivaji science college	Bsc 2 year
coolkat652@gmail.com	Vrushali Avinash Khadse	Shri Shivaji Science College Amravati	Bsc 2 nd
sujatapinjarkar.2917@gmail.com	Sujata Mahendra Pinjarkar	Shri Shivaji Science College	Bsc 2nd yea
prathameshshevatkar2017@gmail.com	Prathamesh Sudhir Shevatkar	Shri Shivaji science College Amt	B.sc
nikita261120@gmail.com	Nikita Jengthe	Shree shivaji science college ,Amaravati	Bsc 2nd
kamp50301@gmail.com	Payal vinod kamble	Shri shivaji science college ,Amravati	Bsc 2nd yea
yashragh2001@gamil.com	Yash Harish Raghuwanshi	Shri shivaji sci collage,amaravti	Bsc 2 nd yr
sakshigawande1419@gmail.com	Sakshi Gajanan Gawande.	Shri. Shivaji Science College Amravati.	Bsc 2nd
tanzilaraheen@gmail.com	TANZEELA RAHEEN AHEMAD	SHRI SHIVAJI SCIENCE COLLEGE AMRAVATI	BSC.2nd year
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basubi199@gmail.com	Basuri Bhaskarrao Ingole	Shree Shivaji Science College Amravati	BSc II
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kalpak.jawarkar123@gmail.com	Kalpak Nandkishor Jawarkar	Shri Shivaji Science College Amaravti	B.SC 3rd yr
devanpakhale@gmail.com	Devesh nandkishor pakhale	Samrat ashok industrial training institude darapur	2nd year
snehaghorad200@gmail.com	Sneha Ghorad	Shri Shivaji science college amravti	2nd year
snehaghorad200@gmail.com	Sneha Ghorad	Shri Shivaji science college amravti	2nd year
ramshakhan1903@gmail.com	Ramsha Khan	Shri Shivaji Science College Amravati	B.Sc 2nd year (1st semester)
pratikshagade2020@gmail.com	Pratiksha Kishor Gade	Shri Shivaji Science College, Amravati	Bsc-3rd year
pallavijamodkar2019@gmail.com	Pallavi Diliprao Jamodkar	Shri shivaji science college Amravati	BSc part 2
radhikachute22@gmail.com	Radhika Ram Chute	Shri Shivaji Science College Amravati	BSC -3 rd year

Curriculum and Time table

Certificate course in English Vocabulary Building

1. Programme Objectives:

- To enable the learners to improve their English Vocabulary.
- To enable the students to communicate in English effectively with impressive vocabulary.
- To help the students develop a sophisticated awareness of using appropriate words for the appropriate situations.
- To enable the students with skills necessary to face interviews/ Group Discussions and to acquire placements.

2. Target Group of Learners:

- Students enrolled for any U.G./P.G. programme in this college.

3. Expected Courses Learning Outcomes

- Understand the significance of the words.
- Recognize special characteristics of words so as to choose the right words to express ideas and thoughts.
- Study word structure, including roots, prefixes and suffixes.
- Study word meanings and realize the necessity of using the right word.
- Achieve accuracy in spelling.
- Use dictionary proficiently.

* Increase your storehouse of words.

4. Course Contents

Course Contents:

1. Root Study
2. Words from the World of Colours
3. Words from the Animal Kingdom

4. Words from Mythology and History
5. Words from Science and Technology
6. Words from Games and Sports
7. Words from Arts and Music
8. Words from Law and Judiciary (legal Terms)
9. Words describing Human Personality and Character
10. Psychological and Medical Terms
11. Affixes: Prefixes & Suffixes
12. Four-Letter Power Words
13. Verbs: The Action Words
14. Interesting Nouns
15. Words formed from Names of Persons and Places
16. Words from All Over the Map
17. Words Expressing Difficulties, Dilemmas and Hitches
18. Words expressing Emotions: Love, Courage, Fear, Appreciation, Flattery, Contempt etc.
19. Words of Foreign Borrowings: Greek, Latin, Roman, Italian, French
20. Words about Language and Speech
21. Words for Life and Living Beings
22. Words from the World of Media
23. Adjectives: The Descriptive Words
24. Homonyms, Homophones & Homographs
25. Synonyms and Antonyms
26. Compound Words/Words with Hyphenation
27. Words with Positive and Negative Connotations
28. Misleading Words

2020	11. Affixes: Prefixes & Suffixes 12. Four-Letter Power Words 13. Verbs: The Action Words 14. Interesting Nouns 15. Words formed from Names of Persons and Places
Week 3 **18 Sept.- 24 Sept**	16. Words from All Over the Map 17. Words Expressing Difficulties, Dilemmas and Hitches 18. Words expressing Emotions: Love, Courage, Fear, Appreciation, Flattery, Contempt etc. 19. Words of Foreign Borrowings: Greek, Latin, Roman, Italian, French 20. Words about Language and Speech 21. Words for Life and Living Beings 22. Words from the World of Media 23. Adjectives: The Descriptive Words
Week 4 **25 Sept.- 30 Sept**	25. Synonyms and Antonyms 26. Compound Words/Words with Hyphenation 27. Words with Positive and Negative Connotations 28. Misleading Words 29. Figurative Expressions 30. Crunchy Phrases and Idioms

Course Co-coordinator **Course Instructors: Dr. Manish S. Gaikwad**

Dr. Manish S. Gaikwad **Ms. Poonam V. Barabde**

29. Figurative Expressions

30. Crunchy Phrases and Idioms

5. Duration of the course: 4 weeks

Total credits: 4 credits (3 for theory + 1 for Assignments)

Eligible students for admission: Enrolled U.G. & P.G. students of the College.

Total seats available: 50 seats for offline course (No limit for online course)

Fees: This course is FREE for the students of this college.

6. Examination Pattern:

- **Examination Pattern:**

Theory: Written Examination of 01 Hr. comprising
40 Multiple- Choice Questions carrying 80 Marks
Assignments carrying 20 Marks
Minimum Marks to pass the Examination: 40/100
Successful students will be provided Certificates of the Course.

7. CRITERIA TO GET A CERTIFICATE

- Average assignment score = 60 %.
- Exam score = 60 %
- Final score = Average of assignment score
  + Exam score

Weekly Plan:

Week 1 **4 Sept. – 10 Sept.** **2020**	1.Root Study 2. Words from the World of Colours 3. Words from the Animal Kingdom 4. Words from Mythology and History 5. Words from Science and Technology 6. Words from Games and Sports 7. Words from Arts and Music
Week 2 **11 Sept.- 17 Sept**	8. Words from Law and Judiciary (legal Terms) 9. Words describing Human Personality and Character 10. Psychological and Medical Terms

Assessment

Value-Added Course-2020-21

Certificate Course in

English Vocabulary Building

Full Name	College Name	Class	Group	Marks
Tanavi zade	Shree Shivaji science college	Bsc	Bio	92
Aditi Diliprao Rahate.	Shri.Shivaji Science College,Amravati.	Bsc-II	Bio	80
Sujata Mahendra Pinjarkar	Shri Shivaji Science College	Bsc 2nd year	MBZ	86
Prathamesh Sudhir Shevatkar	Shri Shivaji science College Amt	B.sc	MBB	68
Yash Harish Raghuwanshi	Shri shivaji sci collage,amaravti	Bsc 2 nd yr	Btz	78
Sakshi Gajanan Gawande.	Shri. Shivaji Science College Amravati.	Bsc 2nd	CEB	80
TANZEELA RAHEEN AHEMAD	SHRI SHIVAJI SCIENCE COLLEGE AMRAVATI	BSC 2nd year	MBB	82
Disha Jaykumar Ade	Shree Shivaji science College Amaravati	Bsc 2	MBB	84
SHASHANK JAGDISH NAGARALE	Shri. Shivaji Science College, Amravati.	B.Sc. 2nd	CEZ	74
Rohit Pareshwar Kapuskar.	Shri Shivaji Science College, Amravati, (MS).	B.Sc.-1	MBB	76
Sanchita sahebrao wankhade	Shri.shivaji science collage amaravati	Bsc.2 year 3rd sem	CBZ	80
Swati Sahebraoji Ayate	Shri Shivaji Science college amravati	BSc 2nd yr	CSM	90
Aarohi Gawande	Shri.shivaji science	Bsc 2	Cez	74
Pratiksha shyamlal sahu.	Shri Shivaji science college,Amravati.	Bsc 2nd yr	MBZ	76
Vrushika tukaram jadhav	Shri Shivaji science college amravati	Bsc 2 year	Btz	74
Renuka Vinod Wankhade	Shri shivaji science college amravati	3rd year	CEZ	74
Arpita Sunil Dongare	Shri. Shivaji Science College ,Amravati	B. Sc III Year	BTZ	74
Darshana Manohar Wath	Shri Shivaji Science College, Amravati.	Bsc 2nd year	EVS	74
Vaishnavi Praful Gedam	Shri shivaji science college Amravati	BSc third year	BTZ	74
Aishwarya Dadarao tayade	Shri Shivaji science College amaravti	BSC 3	CEZ	78
Divya Jarode	Shri shivaji science college Amravati	M. Sc part 2	Zoology gy	78
Sagar Thakare	Shri Shivaji Science College	BSc 3rd year	CEZ	76
Abhishek Ashok Dhikar	Shri shivaji science college Amravati	M.sc	Zoology	76
Pranali sahebrao Taral	Shri. Shivaji Science College Amravati	B.Sc 3 rd year	MBZ	86
Abha Bipin Patil	Shri Shivaji Science College, Amravati.	BSc 3rd yr	BTZ	90
Shatakshi Dnyaneshwar Maske	Shri Shivaji Science College Amravati	Bsc 3rd year	y	88
Komal Ravindra Khalokar	Shri Shivaji Science College Amravati	Bsc II yeAr	BTB	87
Chandrashekhar Tarale	Shri Shivaji science college Amravati	BSc 2nd yr	(CEZ)	78
Komal Ravindra Khalokar	Shri Shivaji Science College Amravati	Bsc II year	BTB	68
Kshitija Suresh Chimote	Shri Shivaji Science College	B.voc. II	forensic	54
Rutuja Rajendra Junghare	Shri Shivaji Science College Amravati	Second year	forensic	56
Pallavi Rajesh Gaikwad	Shri shivaji science college amravati	3rd year	Ceb	88
Sonali Pradip Lokhande	Shri Shivaji Science college Amravati	Bsc II	PCM	52
Sunita Gajanan Kale	Shri Shivaji science College Amravati	MSc 2	Zoology	60
Shraddha Madghe	Shri shivaji science college Amravati	Bsc III yr	MBZ	60

Tejasweeni N.Yewale	Shri.Shivaji Science College,Amravati	M.sc	Zoology	92
Kirti Ashokrao Solanke	Shri shivaji science amravati	Second yr	B. Voc	64
Shubhangi shridhar bochare	Shir Shivaji science college Amravati	B.sc 3rd yr	BTB	76
Leena Sushant Mandal	Shri shivaji science college amravati	2nd year	science	58
Veena gangadhar kamble	Shree Shivaji science college amaravati	2 year	B.vcc	60
Sakshi ravosaheb bhojane	Shri Shivaji science college Amravati	Bsc 2 year	Bio	76
Shivani Ratansingh Thakur	Shri Shivaji Science college Amravati	BSC 3 yr	BIO	74
Minal Harne	Shri Shivaji science college Amaravati	B.Sc III Yr	BTB	84
Rinku gathe	Shri Shivaji science College	Bsc IInd year	Mbz	74
Ahmed	Shri. Shivaji science college	Bsc 3rd yr	BTZ	76
Samiksha Dinesh Deshmukh	Shri Shivaji Science College Amravati	BSC 3rd Year	MBZ	80
Kamalika Sharad Bagade	Shri Shivaji Science College, Amravati	BSc-II	MBB	90
Rutika Dipak Khandare	Shri. Shivaji Science College Amravati	B.Sc.3rd yr	BTZ	74
Dipti Anil Thakre	Shri.Shivaji Science College,Amravati	BSC 2 (3rd Sem)	PCM	76
Rutika Dipak Khandare	Shri.Shivaji Science College Amravati	B.Sc. 3rd yr	BTZ	74
Pradnya Arun Gawande	Shri Shivaji science College, Amravati	B.SC final year	BTB	74
Mayuri pradiprao kshirsagar.	Shri shivaji science college ,Amravati.	Bsc3rd year	CEZ	74
Ku.Mehera Manoj Wankhade	Shri. Shivaji science College, Amravati.	B.sc - 3 year	MBB	74
Yashwant mahadeorao lawankar	AMRAVATI	B.sc. 3rd year	PCM	74
OM KAILAS YEOLE	Shri shivaji science college Amravati	Bsc 2nd	PCM	78
Rutika Dipak Khandare	Shri.Shivaji Science College Amravati	B.Sc. 3rd yr	BTZ	78
Lakhan Prakash Gadam	Shri Shivaji Science College Amravati	BSC 3rd	Bio	76
Sakshi U Deshmukh	Shri.shivaji science college, Amravati	BSc 2nd year	PHG	76
Pranjal Datttakumar Bhadke	Shivaji science College amravati	Bsc2	PHG	86
Sakshi U Deshmukh	Shri. Shivaji science college, Amravati	B.Sc.2nd year	PHG	90
Shreya Khalokar	Shri Shivaji Science College ,Amravati	BSc FY	Biology	88
Aishwarya wahane	Shri shivaji science college amravati	2nd year	B. Boc	87
Vaishnavi vitthalrao dhole	Shri shivaji science college amravati	Bsc III	Cap	54
Bhagyashri Chandrasekhar Thorat	Shri Shivaji Science College	BSC 3 yr	CAP	56
Divya Prakashrao Borkhade	Shri Shivaji Science College, Amravati.	Bsc 3	Cap	88
Sampada behare	Shri shivaji science college	Msc 2	software	52
Aachal Tulsidas Sawwalakhe	Shri Shivaji Science College Amravati	Msc 1st	Chemistry	60
Sabahat Firdous Aminuddin Syed	Shri Shivaji Science College Amravati	B SC	MBZ	60
Vaishnavi Subhash Dhamande	Shri Shivaji science College	Msc	Zoology	92
Suvidha vinod nage	Shri shivaji science college	Forensic science	B.vcc	64
Samruddhi nawalkar	Shri shivaji science college	2 year	Forensic	76

Samruddhi dinesh nawalkar	Shri shivaji science college	2 year	PCM	58
Sandeep yadav	shri shivaji science	bsc3	phg	60
Kunal Subhashrao Shirbhate	Shivaji Science	BSc II	CEZ	76
Gayatri Rajiv Bakale	Shri Shivaji science College Amaravati	BSc III	BTZ	80
Prathmesh dilip pande	Shri shivaji science amravati	Bsc 2	CAP	90
Khushi Sushma Kurhekar	Shri Shivaji Science College, Amravati	Bsc 2nd year	MBZ	74
Aachal Ramchandra Kashyap	Shree. Shivaji Science College,Amravati	M.Sc 1st year	Software	76
Rakesh Ravindra Zamde	Shri. Shivaji Science College,Amravati	B.sc. II	CSM	74
Aditi Prashant Daga	Shri Shivaji Science College, Amravati.	Bsc. 3rd year	BTZ	74
Amisha Aniruddha Pande	Shri. Shivaji science college, Amravati	B.sc 2nd year	BTB	74
Darshana shrikrushna kawalkar	Shri.shivaji science college Amaravati	B.sc Final year	CAP	74
Tejas sunil sahare	Shiri shivaji science College amravati	BscIII	CAM	74
Dhiraj konde	Shri shivaji science	Bsc 3	Csm	78
Yash Pramod Mankar	Shree shivaji science college	Bsc final year	CAS	78
Sejal Dinesh Kumar	Shri Shivaji science College Amravati	BSC 3 year	CMP	76
Shubhangi shridhar bochare	Shir Shivaji science college Amravati	B.sc 2nd yr	BTB	76
Manaswi Rohankar	Shri Shivaji Science	Bsc 3rd	CMP	86
Divya Bharat Agham	Shri. Shivaji Science Collge, Amravati.	B.Sc. 3rd year	CEZ	90
Ku. Sakshi Ramesh Rakhonde	Shri Shivaji Science College, Amravati	B. Sc 2nd year	CSM	88
Pranjal Pramod Korde	Shri. Shivaji Science College Amravati	BSC-3rd year	BTB	87
Bhavika	Shri Shivaji Science college Amravati	M.sc 2vyear	Zoology	54
KU.PALLAVI JAYSHRIRAM MALVE	SHRI SHIVAJI SCIENCE COLLEGE, AMRAVATI	BSc 2nd year (sem3)	CSM	56
Prarthana Premkumar Tiwari	Shri Shivaji Science College	B.Sc 3rd year	BTZ	88
Dipti Diliprao Gaurkhede	Shri Shivaji science college Amravati.	Msc.2nd yr	Chemistry	52
Vedangi Deepakrao Shirbhate	Shri Shivaji Science College Amravati	BSc 2nd year	CMP	60
Adesh chironjilal Dhande	Shri Shivaji college Amravati	BSC SECOND YEAR	PHG	60
Apurva Pralhad Satimeshram	Shri shivaji science college amravati	Bsc 2nd	Btb	92
JANBANDHU	Shri Shivaji Science Collage Amravti	B.Sc 2	CMP	64
Supriya Dongre	Shri. Shivaji Science College Amravati	Bsc. Final	CAP	76
Shreya Nitin Pande	Shri Shivaji science College, Amravati	sem	CMP	58
Sakshi Sharadrao Thakare	Shri shivaji science college,Amaravati	B.sc.	Cmp	60
Vaishnavi Anant pawar	Shri shivaji Science College	Bsc part III	Btz	84
Ayush sanjay bopche	Shri Shivaji science College	2 year	science	76
Gaurangi Kisan Madane	Shri Shivaji Science College	2nd year	B. Voc	68
Pooja S Sharma	Shri Shivaji Science College	Bsc 2nd yr	MBZ	54
Aniket Payghan	Shri Shivaji Science College	B.Sc. 2nd year	CMP	56

Pranjali Anil Raut	Shri shivaji Science college, amaravti	2 nd year	CEZ	58
Ashutosh pravin Naskari	Shri Shivaji science College Amravati	Bsc 3rd yr	Bio	60
Kaushal sunil kale	Shivaji science college	BSc 2nd Yr MBB	MBB	54
Vaishnavi Anilrao wakode	Shri shivaji science college amravati	2 year	forensic	56
Isha Ramesh langade	Shri shivaji science collage amravati	Bsc 2 year	Cez	88
Harshal Raju Panpatil	Shri Shivaji Science College, Amravati	B.Sc. II	CSM	52
Minal Govardhanji Doble	Shri.shivaji science college amaravati.	BSC 2nd	MBB	60
Sakshi ganeshrao mehare	Shri shivaji science college amravati	Bsc2nd	Pcm	
Shivani Vijay Chaudhari	Shri Shivaji science clg Amravati	Bsc II	Csm	
Nisha Barad	Shri.Shivaji Science College Amravati.	BSc Final Year	BTZ	54
Vaibhav shrikrushana bayaskar	Shri Shivaji science College Amravati	BSC 2nd year	Csm	56
Rutuja subhash Harne	Shri shivaji science college amravati	BSC III	CSM	88
Akash Sunil Somaiya	Shivaji science	Bsc 2	Cmp	52
Ashwini s pawar	Shri. Shivaji science college, amravati	3yr	Mbb	60
Suvarna Rohan Ingle	Shri Shivaji science college amravati	Bsc 2 year	Bio	60
Janvi Ravishankar Thakare	Shri Shivaji science clg amravati	2nd yr	Cez	92
Rutuja Prakash Ingle	Shri. Shivaji Science College, Amravati	B.Sc III	BTZ	64
KU.PALLAVI JAYSHRIRAM MALVE	SHRI SHIVAJI SCIENCE COLLEGE, AMRAVATI	BSc 2nd year (sem 5)	CSM	76
BHAGYASHREE VIJAY AKHARE	SHREE shivaji SCIENCE college AMRAVATI	B.sc 2nd year	PCM	58
Sakshi sanjay shinde	Shri shivaji science collage	Bsc 3rd yr	MBZ	60
Chinmay Sujit Patil	Shri Shivaji science college, Amravati	3rd year	BTB	74
Nikita Sanjay Oimbe	Shri.Shivaji Science College, Amaravti	B.sc 2nd year	MBB	76
Aditi Prashant Agrawal	Shri shivaji science college	Bsc III sem V	BTZ	80
Sakahi Panditrao Patil	Shri. Shivaji Science College, Amravati	B.Sc-2nd year	CMP	90
Shreyash N Kale	Shri shivaji science college Amravati	Bsc.2nd	(Boi)	74
Vaishnavi bhalchandra mogarkar	Shri Shivaji science College Amravati	B.Sc. 2	BIO	76
Silviya Santosh Gaigole	Shri Shivaji science college amravati	BSC II year	Bio	74
Anantraj shendre	Shri Shivaji science College Amravati	B.sc.	CEZ	74
Shravani Vijayrao Nishane	Shri Shivaji Science College Amravti	Bsc 3 Rd year	CEZ	74
Janhavi Raju kakpure	Shri shivaji science college Amravati	BCA 1	CMP	74
Mohit anil kapale	Shree shivaji college akola	Bsc2nd yrr	chemistry	74
Shreyash Wankhade	Shri Shivaji Science College	BCA (2nd year)	.	78
Navneet Rajendra Ghatale	Shri Shivaji Science College, Amravati	BCA	BCA	78
Ruchika Devidas Thakare	Shri Shivaji science college Amaravati	Bsc 2nd yr	PCM	76
Ashwini bobade	amt	Bsc 2	Pme	76
Amit Bhikaji Yadav	Shri Shivaji Science College	Bca	2	86

Tejal Shrikant Pawde	Shri Shivaji Science College	2nd year	MEB	90
Kuldip Ranjit Ingle	Shri Shivaji Science College Amravati	Msc 1 st	Chemistry	88
Amisha Dharmendra Dahake	Shri shivaji science college, Amravati	Bsc 2nd year	MBZ	87
Sanskruti Sandeep kale	Shri Shivaji science college	Bsc 2	Csm	
Sejal pravin kharate	Shri.shivaji science callege	BCA-11	BCA	54
Shivani Ganeshrao bhatkar	Shri Shivaji science college Amravati	MSc II	Zoology	56
Abhishek Suresh Kanojiya	Shri Shivaji Science College Amt	BCA 1	NONE	88
Rhutwik Rajendrapant Tatte	Shri Shivaji Science College , Amravati.	BCA 2nd year	BCA	52
Pallavi Anil Mahalle	Shri Shivaji science college, Amravati	Bsc 2year	BTZ	60
Jay Dhanaskar	Shri shivaji science collage amaravati	BCA 1	BCA	60
Renu manoj pande	Shri shivaji science college	2nd year	CEZ	92
Sakshi j thakare	Shri shivaji science college amravati	Bsc-3 rd	BTB	64
Durgeshwari Vilas Nichat	Shri. Shivaji Science College, Amravati	B.Sc-3rd year	MBZ	76
Samruddhi Sudhir Bhonde	Shri Shivaji science college Amravati	Bsc 2 nd	MEB	58
Aditi Charandas Vidhale	Shree shivaji science college	Bsc 3rd year	CMP	60
Renuka Pradip Indurkar	Shri Shivaji Science College, Amravati	BSC 3 year	CMP	64
Akanksha Marotirao Dadgal	Shri Shivaji science College	BSC second year	PCM	76
Aditi Charandas Vidhale	Shree shivaji science college	Bsc 3 yr	CMP	58
Payal madhusudan paralikar	Shri shivaji science college, Amaravti	Bsc 3yr	CSM	60
Nikita Sanjay Oimbe	Shri.shivaji science college Amravati	Bsc.2nd year	MBB	
Shreyash Bhashkarrao Mahalle	Shri Shivaji Science college	BCA1	CMP	54
Kartik Raju Wankhade	Shri Shivaji Science College, Amravati	Bsc 2nd year	BTZ	56
Janhavi Atul Patel	Shree Shivaji Science College	BSc 3rd year	Csm	88
Vaishnavi Rameshwar Khalokar	Shri shivaji science college	Bsc -3 year	CAS	52
Shreya Dhanraj Mange	Shri shivaji science college amravati	Bsc 2nd year 4th sem	CMP	60
Pratiksha Ravindra Nage	Shri Shivaji science college amravati	Bsc3rd yr	Cmp	60
Rushali Dhanraj Wankhade	Shri Shivaji Science college amravati	3 rd yr	CSM	92
APARNA NAMDEVRAO DABHADE	SHRI SHIVAJI SCIENCE COLLEGE, AMRAVATI	B.sc 3rd year	CSM	64
Abhishek Jayhari Gawali	Shri Shivaji Science College, Amravati	BSc 3rd year 5th sem	CAM	76
Shivani vijayrao umap	Shri.shivaji science college,amravati	BSC(3rd year)	CAS	58
Mohit Sanjay Madavi	Shree shivaji science college Amravati	BSC 3rd year	CAS	60
Vaishnavi bhalchandra mogarkar	Shri Shivaji science College	B.sc. 2	BIO	76
Nikita shravan chandiwale	Shri shiwaji science college (Amravti)	Bsc 2nd year	Csm	80
Sanket Jagdale	Shree shivaji science College, Amravati	bsc 2nd year	cmp	90
Anagha Rathod	Shri shivaji science College Amravati	Bsc 2nd year	PCM	74
Vishal Marotrao Wankhade	Shri Shivaji Science College	B.sc II year	CAM	76

Yogeshwari prakash Bambal	Shri Shivaji science College Amravati	Bsc	CAS	74
Dipti Anil Thakre	Shri.Shivaji Science College,Amravati	BSC 2nd (3rd sem)	PCM	74
Pranjali dhanwate	Shri shivaji science college amravati	1	BCA	74
Rashi Rai	Shri shivaji science college, Amravati	B.sc 2nd yr	Pcm	74
Rushikesh Ashokrao Chawat	Shri. Shivaji Science College, Amravati	3rd Year	BCA	74
Jayshri Bhagwanrao Chavan	Shri Shivaji Science college Amravati	M. Sc.	Bioinfo	78
Achal Sanjay chaudhari	Shri. shivaji science college, amravati	Bsc 2nd year	Bio	78
Pranjali Rajendra Tayde	Shri shivaji science collage	Bsc 2nd year	Bio(CBZ)	76
Pooja dnyaneshwar yawale	Shri shivaji science college	Bsc 1st year	Bio	76
Pranali anilrao bhusari	Shri Shivaji science College amravati	Bsc	Bio (cbz)	86
Trushita pardakhe	Shri.shivaji science collage amravati	Msc 1 st	tics	90
Vaishnavi lahadevrao khedkar	Shri Shivaji science College amravati	3rd sem	3d sem	88
Abhishek Rajendra Upadhye	Shre shivaji science college Amravati	Bsc 2nd year	BTB	87
Vaishnavi lahadevrao khedkar	Shri Shivaji science College amravati	MSc bioinformatics	3rd sem	64
Ku. Radhika Sanjay kashikar	Shree shivaji science college Amravti	Bsc	CEB	76
Ashwini Chandrakant Kulkarni	Shri Shivaji Science College, Amravati	Bioinformatics	ics	58
Sejalsatyanand hiwarale	Shivaji science	Bac 2nd	Bio	60
Gauri madhukar wankhade	Shri shivaji science college amaravti	Bsc2nd year	Ceb	
Vaishnavi Nipane	Shivaji science college Amaravati	Bsc 2 nd	Ceb	54
Shresttha Dixit	Shri Shivaji Science college	2nd year BSc	Mbz	56
Eshaal Saudagar	Shri Shivaji Science College Amravati	MSc. 1st year	ics	88
Rinku gathe	Shri Shivaji science College	2 nd year	Mbz	52
Samiksha Pralhadrao Bidkar	Shri Shivaji Science College Amravati	Bioinformatics	ics	60
Shreyash N Kale	Shri shivaji science college Amravati	BSC 2nd	(Boi)	60
Snehal Ghansham Jalit	Shree Shivaji science college Amravati.	B.sc final year	CSM	92
Kanchan Bhojraj Mankar	Shri Shivaji science College Amravati	Bsc sem_2	BTZ	64
Sakshi R. Wange	Shri.shivaji science college amravati	Bsc 3rd yr	CSM	76
Ishwari pawan lede	Shri shivaji science college	2nd year	Btb	58
Priyanka subhashrao saw	Shree Shivaji science college amravati	Bioinformatics	Bioinfo	60
Ankita dipakrao sande	Shri.shivaji science College Amravati	Msc - 2nd.yr	Botany	64
Bhumika Gawande	Shri Shivaji Science	Bsc 3 year	Csm	76
Aman Kumar chauhan	Shri shivaji science college , amravati	Bsc 3rd year	Cam	58
Chetan Gawande	Shri shivaji arts and commers	1 year	Commers	60
Aniket Ganesh Nage	Shri Shivaji Science College Amravati	MscII	ics	76
Gaurav Gawande	Shivaji Science College	Final year	Phg	80
Pooja Zagade	Shri Shivaji science College	Msc II	ics	90

Tejswini Rajesh Watane	Shri shivaji science college Amravati	Msc 1 yr	ics	74
Ambarish Abhijit Sahasrabuddhe	Shri Shivaji Science College Amravati	M.sc 1st year	ics	76
Shweta Ravindra Rane	Shree shivaji science college amravati	Bsc final year	Csm	74
Pooja pramod sawale	Brijalal biyani science college amt	Msc 2nd year	Chemistry	74
Nikita Anilrao zade	Shri Shivaji science clg	MSc I botany	Botany	74
TEJASWINI PRAKASHRAO PATIL	Shri Shivaji science College Amaravati	Bsc II	CSM	74
Ku. Aditi nilkantharao khonde	Shri shivaji science colg amravati	M. Sc 1st year	Botany	74
Prajwal ahirrao	Shri. Shivaji science College amravati	BCA-1	Cmp	78
Ku aditi nilkhanthrao khonde	Shri shivaji sciences collage amravati	M. Sc 1st year	Botany	78
Ankita avinash kale	Shri shivaji science collage amravati	B.sc 2nd year	Mbb	76
Akshay Vijay chavhan	Shri Shivaji science college Amravati	MSc II	Botany	76
KANCHAN BHOJRAJ MANKAR	Shri Shivaji science College Amravati	Bsc	BTZ	86
Ashlesha sanjayrao Palkandwar	Shri Shivaji science College Amaravati	Bsc 3 yr	CAP	90
Kasturi Vijay Sastakar	Shri Shivaji Science College , Amravati	Bsc 2 year	BTB	88
Vaishnavi Deshmukh	Shri shivaji science college amaravati	Bsc 3 rd year	Csm	87
Abhay Gajananrao Honade	Shri Shivaji Science college Amaravati	Bsc-IInd year	MBB	54
Kanchan Gajanan Pakhale	Shree shivaji science college Amravati	BCA 3rd year	BCA	56
Ku. Roshani Sanjayrao Bhadange	Shri shivaji science college Amravati	B.Sc 3rd yr	CEZ	88
Amruta Harish chandra Kale	Shri Shivaji Science College	Bsc II year	PCM	52
Nidhi vijay Lende	Shri.shivaji science college	Bsc. 2nd	CEB	60
Kalpak Nandkishor Jawarkar	Shri Shivaji Science College Amaravti	B.SC 3rd yr	Bio	60
Sneha Ghorad	Shri Shivaji science college amravti	2nd year	Btb	92

Dept. of Microbiology (Certificate Course in Laboratory Technology)

Name and Duration of the Program

SHRI SHIVAJI SCIENCE COLLEGE, AMRAVATI

Department of Microbiology

Admission Notice to CLT and DCLT (COC) Course

Session - 2020-2021

Date: 16/08/2020

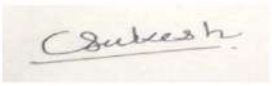
Admissions are open to B.Sc. (I,II,III) Students for CLT (Certificate Course in Laboratory Technology) under COC programme. Interested Students can take admission to this course.

1. Dr.A.A.Gawali – 7020933305

2. Ms. S.S.Mankar – 8237372810

3. Ms. N.H. Tiwari – 9168147152

4. Dr.C.S.Ukesh – 9373897963



Co-ordinator

Dr.C.S.Ukesh

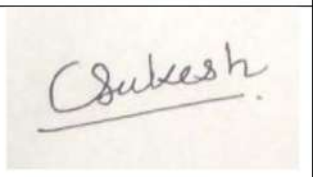


List of the Students Enrolled and Attendance

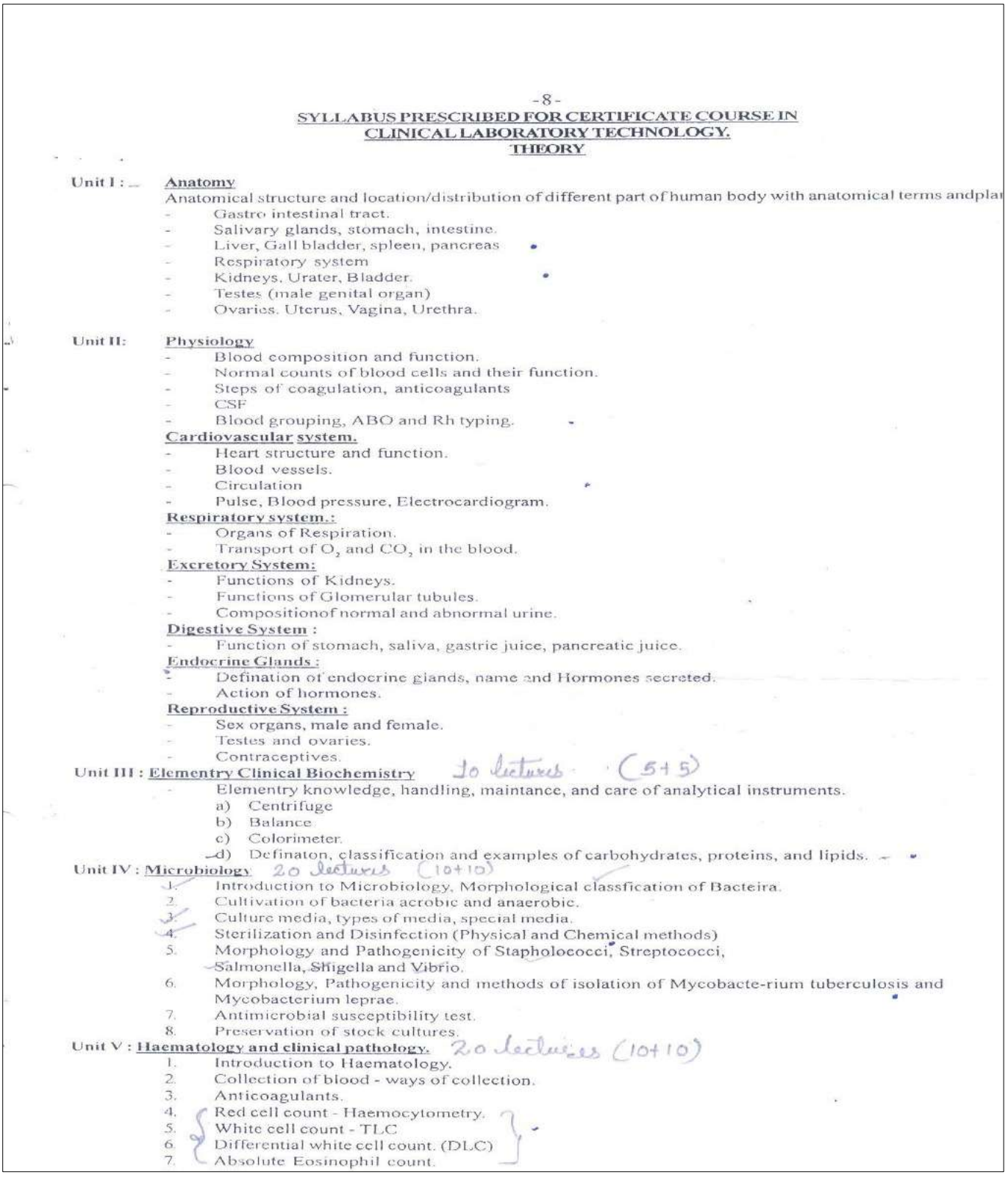
Shri Shivaji Science College Amravati

CLT Admission List 2020-21

Sr.no	Name of the student	M/F	Mobile. no	Category		
1.	Awandkar Sanjayrao Neha	F	7030471043	OBC		
2.	Awankar Ajay Ishika	F	9422918473	OBC		
3	Andagonde V. Shreyash	M	9022354995	SBC		
4	Budhot S. Tejas	M	9579404750	NT-D		
5	Bhonde S. Samruddhi	F	9503420579	OBC		
6	Bodkhe R. Pratiksha	F	9370813907	OBC		
7	Bonde S. Janhavi	F	9881515794	OBC		
8	Bonte G. Kartik	M	8698341458	OBC		
9	Bhaiyya S. Divya	F	9307699639	OPEN		
10	Burkhande G. Aditya	M	9011336109	NT-B		
11	Chaudhary D. Ishwari	F	8830244830	OBC		
12	Dhainiwal R. Mahima	F	8669826054	OBC		
13	Dhawale V. Samruddhi	F	7498325987	NTC		
14	Dhope R. Ritika	F	9657423212	OBC		
15	Deshmukh D. Adesh	M	7558365806	OPEN		
16	Dabhade S. Hrutuja	F	7666473406	OBC		
17	Gathe B. Rinku	F	9356126450	SC		
18	Gajbhiye S.Pradhnya	F	9307350628	SC		
19	Gajbhiye M. Tanuja	F	9322897785	SC		
20	Gawali V.Sakshi	F	9130505153	OBC		
21	Gaorkhede S.Saishswari	F	9759087175	OBC		
22	Gadhowe V. Niraj	M	9545772521	NT-C		
23	Ingole B. Basuri	F	7350751635	SC		
24	Ingale G. Sanket	M	9146418143	OBC		

25	Jadhv T. Vrushika	F	8177857308	VJ		
26	Junghare R. Rutuja	F	8330209147	OBC		
27	Keche S. Nikita	F	9309782896	OBC		
28	Motawani M. Priyanka	F	8698096973	OPEN		
29	Kamble V.Payal	F	9767995756	SC		
30	Mahalle D. Manjiri	F	9657876027	OBC		
31	Manmode M. Devyani	F	7796269284	OBC		
32	Mankar M. Gaytri	F	7030648773	ST		
33	Mohod V. Divyani	F	9588601403	OBC		
34	Maheshre P. Rutuja	F	9764022575	OBC		
35	More J. Gaytri	F	8975483615	OBC		
36	Oimbe S. Nikita	F	8605522075	SC		
37	Pinjarkar M. Sahil	M	7776031769	ST		
38	Raghuwanshi H. Yash	M	7020165299	OPEN		
39	Sashtkar V. Kasturi	F	7448024692	OPEN		
40	Shrivastav R. Sanyukta	F	9834890525	OPEN		
41	Sarode N. Omeshwari	F	8669732864	OBC		
42	Teware S. Ruchi	F	8390655245	OBC		
43	Talkit P. Kashish	F	7498869992	OBC		
44	Tirlkar V.Harshal	M	8030130326	OBC		
45	Taral G.Saisha	F	7744971736	OBC		
46	Upadhye R. Abhishek	M	8999143042	OBC		
47	Honade G. Abhay	M	9834533497	OBC		
						 

Curriculum and Time table



-8-

SYLLABUS PRESCRIBED FOR CERTIFICATE COURSE IN CLINICAL LABORATORY TECHNOLOGY.

THEORY

Unit I : Anatomy

Anatomical structure and location/distribution of different part of human body with anatomical terms andplan

- Gastro intestinal tract.
- Salivary glands, stomach, intestine.
- Liver, Gall bladder, spleen, pancreas
- Respiratory system
- Kidneys, Urater, Bladder.
- Testes (male genital organ)
- Ovaries. Uterus, Vagina, Urethra.

Unit II: Physiology

- Blood composition and function.
- Normal counts of blood cells and their function.
- Steps of coagulation, anticoagulants
- CSF
- Blood grouping, ABO and Rh typing.

Cardiovascular system.

- Heart structure and function.
- Blood vessels.
- Circulation
- Pulse, Blood pressure, Electrocardiogram.

Respiratory system.:

- Organs of Respiration.
- Transport of O_2 and CO_2 in the blood.

Excretory System:

- Functions of Kidneys.
- Functions of Glomerular tubules.
- Compositionof normal and abnormal urine.

Digestive System :

- Function of stomach, saliva, gastric juice, pancreatic juice.

Endocrine Glands :

- Defination of endocrine glands, name and Hormones secreted.
- Action of hormones.

Reproductive System :

- Sex organs, male and female.
- Testes and ovaries.
- Contraceptives.

Unit III : Elementry Clinical Biochemistry 10 lectures (5+5)

- Elementry knowledge, handling, maintance, and care of analytical instruments.
  a) Centrifuge
  b) Balance
  c) Colorimeter.
  d) Definaton, classification and examples of carbohydrates, proteins, and lipids.

Unit IV : Microbiology 20 lectures (10+10)

1. Introduction to Microbiology, Morphological classfication of Bacteira.
2. Cultivation of bacteria acrobic and anaerobic.
3. Culture media, types of media, special media.
4. Sterilization and Disinfection (Physical and Chemical methods)
5. Morphology and Pathogenicity of Staphlococci, Streptococci, Salmonella, Shigella and Vibrio.
6. Morphology, Pathogenicity and methods of isolation of Mycobacte-rium tuberculosis and Mycobacterium leprae.
7. Antimicrobial susceptibility test.
8. Preservation of stock cultures.

Unit V : Haematology and clinical pathology. 20 lectures (10+10)

1. Introduction to Haematology.
2. Collection of blood - ways of collection.
3. Anticoagulants.
4. Red cell count - Haemocytometry.
5. White cell count - TLC
6. Differential white cell count. (DLC)
7. Absolute Eosinophil count.

e

15. Preparation of Bone Marrow.
16. Morphology of Normal andAbnormal cells.
17. Coagulation test.
18. Bleeding time, clotting time.
19. Urine analysis (Normal constituents, Physical examination, chemical examination & Microscopic examination.)
20. Stool Examination (Normal and Abnormal constituents.)
21. C.S.F. Examination (Normal and Abnormal Cell counts and different counts.)
22. Semen Analysis : (Physical examination, Mortality and Morphology)
23. Blood grouping and Blood Banking.

PRACTICALS

Anatomy :

1. Study of permanent slides of cells and tissues.
2. Surface marking of body.
3. Skeletal system, bones and joints.

Physiology :

1. Microscope, usage, maintance, cleaning and minor repair.
2. Osmotic fragility test.
3. Identification of RBC under microscope.
4. DLC, Platelets, Reticulocytes.
5. To obtain sample of plasma and serum.
6. Preparation of oxalate, citrate, fluoride and EDTA anti coagulant Bulbs.
7. Haematocrit (PCV)
8. Neubour's chamber, pipettes (RBC/WBC), western green pipettes.
9. Haemoglobin estimation (By Sahli's method)
10. Blood pressure and pulse.
11. Examination of urine glucose and protein.
12. Record/Report writing.

Clinical Biochemistry :

1. Cleaning of Glassware.
2. Maintenance of laboratory instruments and cleaning.
   i. Centrifuge.
   ii. Colorimeter.
   iii. Spectrophotometer.
   iv. Microscope.
3. Estimation of serum Bilirubin, Blood Sugar, Blood Urea, Serum Creatinine, Uric acid, Cholesterol. Serum Acid phosphatase, Alkaline phosphatase, SGOT, SGPT, Serum Sodium/Potassium.
4. Qualitative and Quantitative estimation of urine sugar and protein.
5. C.S.F. protein, and sugar.

Microbiology

1. Gram staining technique.
2. Acid fast staining (Z-N)
3. Motility by hanging drop method.
4. Cultivation of UTI isolates.
5. Culture and sensitivity test (Kirby-Bauer method)
6. Biochemical test (Glucose, Lactose, Mannitol, Indole, MR, V.P.Citrate)

Haematology and Clinical Pathology.

1. Haemoglobin estimation by Sahli's method.
2. R.B.C. count.
3. TLC
4. DLC
5. Platelet count
6. Reticulocyte count.
7. Bleeding time, clotting time.
8. Examination of blood smear (Perpheral smear)
9. Eosinophil count: LE cell test, E.S.R. sickel cell test.
10. Stool examination for ova, cyst, Amoeba, Exudate, fat globule.
11. Routine Urine analysis.
12. Sputum Analysis.
13. Semen Analysis.
14. C.S.F. examination.
15. Bone Marrow smear Preparation.
16. Blood group: ABO and Rhfactor.

Field work / Project work : Project work / field work involving 90 hrs. minimum laboratory work and based on critical study of any one of the topics included in theory or practical should be completed for Certificate course. Project report of above 30 pages be submitted.

Distribution of marks

1.	Two major Experiments (7 marks each)	20
2.	Two minor Experiments (3 marks each)	10
3.	Spotting	08
4.	Viva	06
5.	Practical record	06
	Total Marks :	50

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LIST OF TOOLS AND EQUIPMENTS REQUIRED FOR CERTIFICATE / DIPLOMA / ADVANCED DIPLOMA COURSE IN CLINICAL LABORATORY TECHNOLOGY.

01.	Microscope	02.	Autoclave (Electric & gas operated)
03.	Hot plate (Electrical)	04.	Gas-cylinder with Bunsen burner.
05.	Spirit Lamp.	06.	Table centrifuge
07.	Refrigerator	08.	Colorimeter
09.	Hot-air-oven	10.	Waterbath
11.	Ringer-Timer	12.	Analytical balance.
13.	Physical balance	14.	Electronic Balance
15.	Flamephotometer	16.	Spectro Photometer
17.	Fluorometer.	18.	Vortex mixer.
19.	Centrifuge	20.	pH meter.
21.	Hot air-blower.	22.	Incubator.
23.	Inspissator	24.	Deioniser
25.	Pipette Washer	26.	Anaerobic jar
27.	Vacum pump	28.	Hydrogen and CO_2 Cylinder
29.	Dressing drum	30.	Water bath
31.	Pressure cooker	32.	VDRL Rotator
33.	Kahn rack	34.	Dreyer's rack
35.	Electrophoresis apparatus	36.	Seitz metal filter
37.	Aluminium suitcase	38.	Colony counter
39.	Blood cell counter	40.	Bohringer Balance (Rough)
41.	Hot plate	42.	Alarm time piece 1 hour ringer.
43.	Heamometer (Helige/Sahli) Complete	44.	Hemocytometer complete.
45.	Rosenthal counting chamber.	46.	ESR Rack
47.	ESR Tubes (Westergen's)	48.	Wintrobe's tubes.
49.	Gas cylinder	50.	Microscope lamp.
51.	Urinometer complete.	52.	Beaker 50 ml, 100 ml, 250 ml
53	Autopsy Striker	54.	Drill Electric
55.	Electric Sparker	56.	Epidioscope
57.	Grinder	58.	Hot air Drier
59.	Microtome	60.	Stop Watch

REFERENCE BOOKS.

I. BIOCHEMISTRY.

1. Review of Physicological Chemistry, 18th Edn., Harold Haper A, Lange Medical Perb, California.
2. Laboratory practical for beginners, P.Veskresensky, Mir publishes, Pervy Rizbsky Perulek, Moscow, USSR.
3. Clinical chemistry in diagnosis and treatment, 3rd Edn. 1979. Noan P.Ziwa and P. R.Pannal, LLoyds Luke (Medical books) LTd., 49 Newman, ST. London.
4. Manual Cardiovasccular diagonsis and therapy, Joseph S, Albert, James M. Ripps, Asian Ed., Little Brown & Company, Boston, Medical Services International Ltd., Tokyo.
5. Fundamentals of Biochemistry - A.C. Deb, New Central Book Agency, 8/1 Chintamanidas Lane, Calcutta - 700 009.
6. Principles of Biochemistry, 5th Edn. Mcraw hill Book Co., New York- A White P. Handler, E.L.Smith.
7. Fundamentals of Biochemistry - J.L.Jain S. Chand & Co.LTd., Ramnagar, New Delhi 110 055
8. Biochemistry - Datta, S.P.Ottaway J.H.Barelliere Tindall and Cssell London.
9. Enzyme diagnosis in diseases of the Heart, Liver and Pancreas - Adolph and R Lorenz Hanhum S. Kargeer. A.G.P.O. Box Ch. 4009 Basel, Switzerland.
10. A Premier of water Electrobyte and acid base Syndromes - E Gold Reger, Indian Edn., K.M.Verghese Co, 7119, Bombay 400 031
11. Clinical Interpretation of Laboratory Test, 9th Edn., Francis Widmann. P.G.Publishing Pvt. Ltd., Singapore, Hongkong.
12. Practical clinical biochemistry, - A.H.Covenlock, M.Bell, William Heimann, Med. Book Ltd., London.
13. Clinical Biochemistry - Principles & Procedures - 4th Edn. Annino J.S. and R. N.
14. A short test book on Clinical biochemistry - Baron D.N. English Universities Press, London.
15. Clinical Chemistyry for small hospitals, Laboratory - Reynold M.D.
16. Micro Analysis in Medical Biochemistry, 6th Edn., Wooton, I.D.P. Churchill Livingstone, Edinobourgh & London.
17. Seiverds Chemistry for Medical Technologists, 2nd Edn., W.I.White, Sam Frankel The C.V. Mobsy C., Saint Louis, USA.
18. Clinical Laboratory Methods, 5th Edn, - Bauer J.D., Ackeramann, P.G. land Toro Gl, the C.V. Mobsy C., St. Louis.

SHRI SHIVAJI SCIENCE COLLEGE, AMRAVATI

Department of Microbiology

Time Table For CLT / DCLT (2020-21)

Online Classes

0-10:30	12:00-01:00	01:00-02:00	02:00-03:00	03:00-04:00	06:00-07:00
Theory	CLT Theory AAG	CLT Theory SJW	CLT Theory CAB	CLT Theory SBD	CLT Theory S.S.M
Theory	CLT Theory AAG	CLT Theory SJW	CLT Theory CAB	CLT Theory SBD	CLT Theory S.S.M
Theory	CLT Theory AAG	CLT Theory SJW	CLT Theory CAB	CLT Theory SBD	CLT Theory S.S.M
Theory	CLT Theory AAG	CLT Theory SJW	CLT Theory CAB	CLT Theory SBD	CLT Theory S.S.M
Theory	CLT Theory AAG	CLT Theory SJW	CLT Theory CAB	CLT Theory SBD	CLT Theory S.S.M
Theory	CLT Theory AAG	CLT Theory SJW	CLT Theory CAB	CLT Theory SBD	CLT Theory S.S.M
Theory	CLT Theory AAG	CLT Theory SJW	CLT Theory CAB	CLT Theory SBD	CLT Theory S.S.M
Theory	CLT Theory AAG	CLT Theory SJW	CLT Theory CAB	CLT Theory SBD	CLT Theory S.S.M

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HOD

Head
Department of Microbiology
Shivaji Science College,
Amravati

Assessment

SHRI. SHIVAJI SCIENCE COLLEGE, AMRAVATI

DEPARTMENT OF MICROBIOLOGY

Result

(COC Programme) Clinical Laboratory Technology Exam 2021

Sr. No	Email Adress	Name of Students	Quiz 1	Quiz 2	Project	Total Max 150	Average Max 200	%	Remark
1.	samruddhibhonde18@gmail.com	SamruddhiSudhirBhonde	50	40	42	132	176	88	Pass
2.	talkitkashish@gmail.com	KashishPramodraoTalkit	50	38	46	134	178	89	Pass
3.	manjirimahalle4@gmail.com	ManjiriDevendraMahalle	48	46	47	141	188	94	Pass
4.	rinkugathe72@gmail.com	RinkuBalupantGathe	36	42	48	126	168	84	Pass
5.	saipatil7148@gmail.com	SaishwariSatishGourkhede	50	46	48	144	192	96	Pass
6.	jadhavvrushika@gmail.com	VrushikaTukaramJadhav	50	44	48	142	189	94	Pass
7.	tanujagajbhiye2002@gmail.com	TanujaMahendraGajbhiye	50	48	47	145	193	96	Pass
8.	andagondes9@gmail.com	Shreyash Vijay Andagonde	44	44	49	137	182	91	Pass
9.	pradnyagajbhiye186@gmail.com	PradnyaSurajGajbhiye	50	46	47	143	190	95	Pass
10.	kartikbante1332@gmail.com	Kartik Ganesh Bante	50	50	48	148	197	98	Pass
11.	pratikshabodkhe0@gmail.com	Pratiksha Ramesh Bodkhe	50	50	47	147	196	98	Pass
12.	dabhadehrutuja@gmail.com	HrutujaShriramDabhade	50	50	42	142	189	94	Pass
13.	kasturisastakar@gmail.com	Kasturi Vijay Sastakar	50	50	47	147	196	96	Pass
14.	kamp50301@gmail.com	PayalVinodKamble	50	48	47	145	193	96	Pass
15.	samruddhidhawale90@gmail.com	SamruddhiVinodDhawale	32	42	48	122	162	81	Pass
16.	ritikadhope13@gmail.com	RitikaRajuDhope	50	48	48	146	194	97	Pass
17.	gayatrimmankar@gmail.com	GayatriManoharMankar	36	42	47	125	166	83	Pass
18.	motwanipriyanka2001@gmail.com	Priyanka Mahesh Motwani	50	46	47	143	190	95	Pass
19.	divyabhaiyya0408@gmail.com	Divya Sanjay Bhaiyya	34	46	42	122	162	81	Pass
20.	janhavibande14@gmail.com	JanhaviShrikantBande	50	50	48	148	197	98	Pass
21.	sanketingle.mzi@gmail.com	SanketGajanan Ingle	50	48	42	140	186	93	Pass
22.	nirajgadhawe@gmail.com	NirajVinayakGadhawe	36	38	42	116	154	77	Pass
23.	moregayu901@gmail.com	GayatriJaysing More	44	50	47	141	188	94	Pass
24.	adityagburkhande8110@gmail.com	AdityaGajananBurkhande	50	50	47	147	196	98	Pass
25.	nikitaoimbe18@gmail.com	Nikita Sanjay Oimbe	42	48	48	138	184	92	Pass
26.	basubi199@gmail.com	BasuriBhaskarraoIngole	42	46	49	137	182	91	Pass

27.	omeshwarisarode12@gmail.com	Omeshwari Narayan Sarode	34	34	42	110	146	73	Pass
28.	harshaltiralkar123@gmail.com	Harshal Vijay Tiralkar	32	50	47	129	172	86	Pass
29.	rutujajunghare2001@gmail.com	RutujaRajendraJunghare	42	48	48	138	184	92	Pass
30.	adeshdeshmukh2001@gmail.com	AdeshDattaraoDeshmukh	36	46	48	130	173	86	Pass
31.	upadhye464@gmail.com	AbhishekRajendraUpadhye	38	40	49	127	169	84	Pass
32.	devayanimanmode@gmail.com	Devyani Mohan Manmode	50	48	48	146	194	97	Pass
33.	mohoddivyani@gmail.com	Divyani V Mohod	50	48	42	140	186	93	Pass
34.	awankarishika3@gmail.com	Ishika Ajay Awankar	48	46	49	143	190	95	Pass
35.	nehaawandkar2@gmail.com	NehaSanjayraoAwandkar	48	50	47	145	193	96	Pass
36.	sahil.pinjarkar@gmail.com	SahilMahendraPinjarkar	50	50	47	147	196	98	Pass
37.	dainiwalmahima@gmail.com	MahimaRanjitDainiwal	50	50	48	148	197	98.5	Pass
38.	sakshigawali915@gmail.com	SakshiVitthalraoGawali	50	48	48	146	194	97	Pass
39.	saishataral0623@gmail.com	SaishaGajendraTaral	48	50	42	140	186	93	Pass
40.	yashragh2001@gmail.com	Yash Harish Raghuwanshi	50	50	48	148	186	93	Pass
41.	ishwarichaudhari2001@gmail.com	IshwariDattatrayChaudhari	48	42	48	138	184	92	Pass
42.	kechenikita20@gmail.com	Nikita Sunil Keche	34	50	42	126	168	84	Pass
43.	ruchiee22@gmail.com	RuchiSharadTeware	44	46	47	137	182	91	Pass
44.	budhottejas7@gmail.com	TejasSatishBudhot	48	48	48	144	192	96	Pass
45.	abhayhonade46@gmail.com	AbhayGajananraoHonade	50	50	42	142	189	94	Pass
46.	sanyukta0722@gmail.com	SanyuktaShrivastav	40	36	42	118	157	79	Pass
47.	rutujameheshre26@gmail.com	RutujaMeheshre	36	34	49	119	158	78	Pass

Department of Microbiology
Shri Shivaji Science College
Amravati



Shri Shivaji Education Society, Amravati's

SHRI SHIVAJI SCIENCE COLLEGE, AMRAVATI

Re-accredited by NAAC with "A" Grade (Very Good) with a CGPA of 3.13 &
UGC Awarded College with Potential for Excellence

CLINICAL LABORATORY TECHNIQUES

CAREER ORIENTED COURSE

Approved by UGC (University Grants Commission)

CERTIFICATE

This is to certify that Shri/Smt/Ku. Ishwari Chaudhari

the within signed has successfully completed the Certificate Course of Clinical Laboratory Techniques

approved by UGC (University Grants Commission) in – Division / Grade

Academic year 2020 - 2021.

Congratulations!

Date : 30/9/2021

Course Co-ordinator

Principal

Summary Report and Outcome

Clinical Laboratory Technology Certificate course Outcomes:

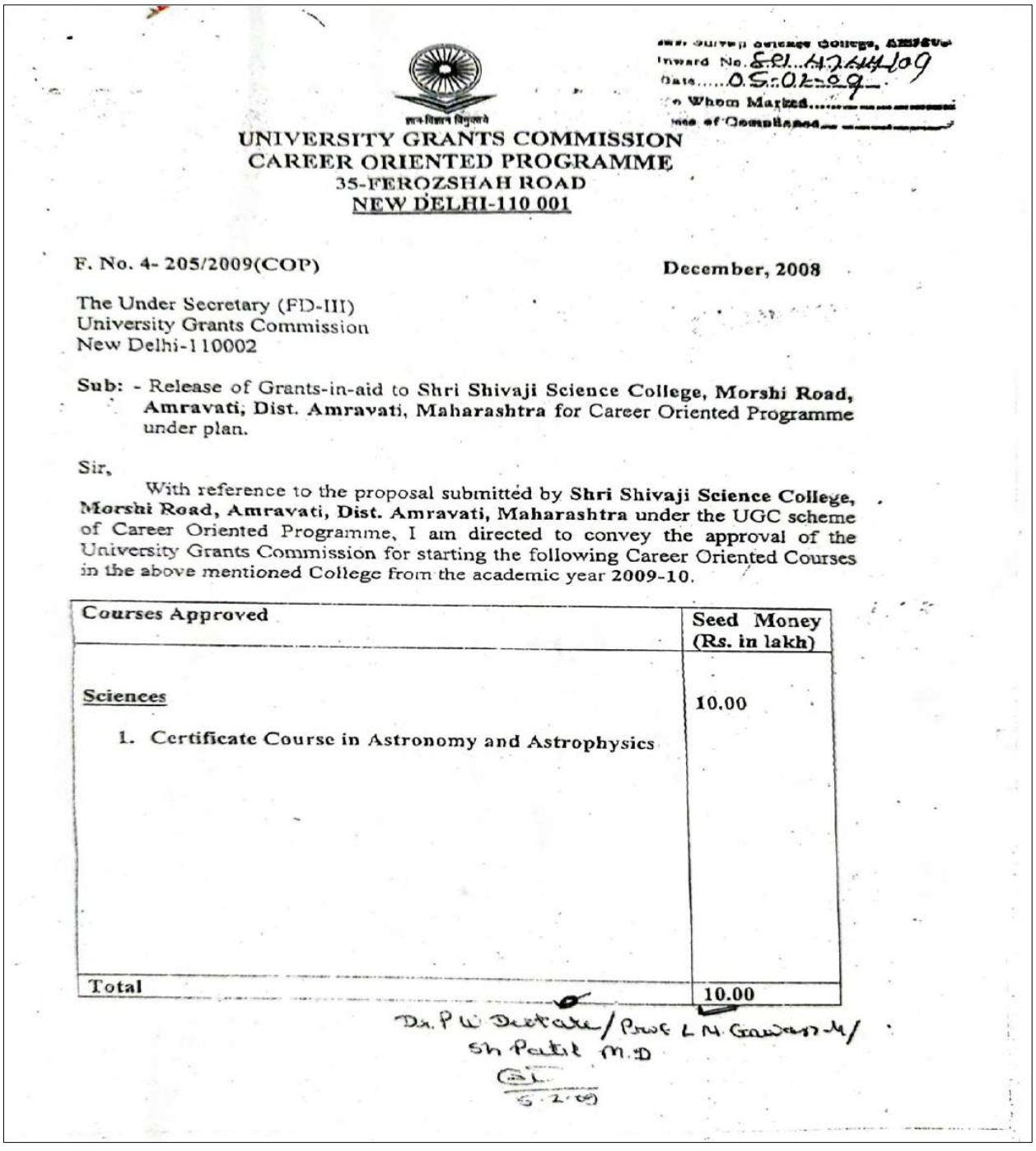
Clinical Laboratory Technology Course under the head Career Oriented Course (COC). Outcome of the said course is as follows.

1. This type of course helps a particular individual to develop their own skills in this field.
2. Clinical Microbiology has proved one of the most important disciplines in microbiology.
3. This course has theory and Practical syllabus which contains human Anatomy and physiology. The student gain detail knowledge of different parts of the body and various systems such as Cardiovascular systems, Respiratorysystems, Excretorysystems, digestivesystems, endocrine glands and ReproductiveSystem.
4. It also include haematology and Clinical pathology and Microbiology.
5. By attending both theory and practical as well as pathology laboratory visits, Students understand the various techniques used in blood cell testing like TLC DLC, PCV etc.
6. By visiting pathology laboratories of Government andprivate hospitals, one can understand how to establish and run pathology laboratories.
7. CLT & DCLT students can get jobs in other laboratories and can earn money and become **Self Respondent.**
8. This course prepares students to meet the vast requirement of processionals hawing suitable qualification as well as exposure in the Medical field.

Course coordinator
& HOD
Dept of Microbiology
Associate Professor
Department of Microloiology
Shri Shivaji Science College
Amravati

Dept. of Physics (Astronomy and Astro Physics)

Name and Duration of the Program



Shri Shivaji Science College, Amravati
Inward No. SSC/1244/09
Date 05.02.09
To Whom Marked
Nature of Communication

UNIVERSITY GRANTS COMMISSION
CAREER ORIENTED PROGRAMME
35-FEROZSHAH ROAD
NEW DELHI-110 001

F. No. 4- 205/2009(COP) December, 2008

The Under Secretary (FD-III)
University Grants Commission
New Delhi-110002

Sub: - Release of Grants-in-aid to **Shri Shivaji Science College, Morshi Road, Amravati, Dist. Amravati, Maharashtra** for Career Oriented Programme under plan.

Sir,

With reference to the proposal submitted by **Shri Shivaji Science College, Morshi Road, Amravati, Dist. Amravati, Maharashtra** under the UGC scheme of Career Oriented Programme, I am directed to convey the approval of the University Grants Commission for starting the following Career Oriented Courses in the above mentioned College from the academic year **2009-10**.

Courses Approved	Seed Money (Rs. in lakh)
Sciences	10.00
1. Certificate Course in Astronomy and Astrophysics	
Total	10.00

Dr. P W Deetare / Prof L N Gautam M/
Sh Patil M.D
5.2.09

I am also directed to convey the sanction of the University Grants Commission for payment of Rs. **10,00,000/-** (Rupees **Ten Lakh only**) to **Shri Shivaji Science College, Morshi Road, Amravati, Dist. Amravati, Maharashtra** as one time grant (Seed Money) under the scheme of Career Oriented Programme.

The assistance available in the programme is only in the form of a one – time as **"Seed Money".** The amount may be utilized for the purchase of books and journals augmentation of laboratory facilities, equipment and payment of remuneration to the Guest faculty only.

The terms and conditions of the approval and grant released are as per the guidelines of the scheme.

1. The sanctioned amount is dabitable to the major Head **5.(i)** (Career Oriented to Education). The above sanction is valid for payment during the current financial year **2008-09.**
2. The amount of grant shall be drawn by the Under Secretary (Drawing and Disbursing Officer), University Grants Commission on the Grants –in –aid bill and shall be disbursed to the credited to the Principal, **Shri Shivaji Science College, Morshi Road, Amravati, Dist. Amravati, Maharashtra** through Demand Draft/Mail Transfer.
3. The grant is subject to the adjustment on the basis of Utilization Certificate in the prescribed proforma submitted by the University/College/Institution.
4. The University/College shall maintain proper accounts only on approved items of expenditure.
5. The Utilization Certificate to the effect that the grant has been utilized for the purpose for which it was sanctioned shall be furnished to the University Grants Commission as early as possible after the close of the current financial year.
6. The assets acquired wholly or substantially out of the University Grants Commission grant shall not be disposed or encumbered or Utilized for the purposes other than those for which the grant was given, without proper sanction of the University Grants Commission and should, at any time the college ceases to function, such assets shall revert to the University Grants Commission.
7. A Register of Assets acquired wholly or substantially out of the grant shall be maintained by the University in the prescribed form.
8. The grantee institution shall ensure the Utilization of grants-in-aid for which it is being sanctioned/paid. In case non-utilization/part utilization, the simple interest @ 10% per annum as amended from time to time on unutilized amount from the date of drawl to the date of refund as per provisions contained in General Financial Rules of Govt. of India will be charged.
9. **The University/College shall implement the programme from the academic year 2009-10 positively and UGC to be informed in this regard.**

10. The interest earned by the University/College/Institute on this grants in aid shall be treated as additional grant and may be shown in the U.C./Statement of expenditure to be furnished by grantee institutions.
11. The University/College shall follow strictly all the instructions issued by the Govt. of India from time to time with regard to reservation of posts for scheduled Caste and Scheduled Tribes.
12. The University/College shall fully implement the Official Language Policy of Union Govt. and comply with the Official Language Act, 1963 and Official Language (use for officially purpose of the Union) Rules, 1976 etc.
13. The Sanction issues in exercise of the delegation of powers vide Commission office order No. 25/92 dated May.01, 1992.
14. The funds to the extent are available under the scheme and has been noted in BCR for the year 2008-09 at S. No. 317 Page No. 45.

Yours faithfully,

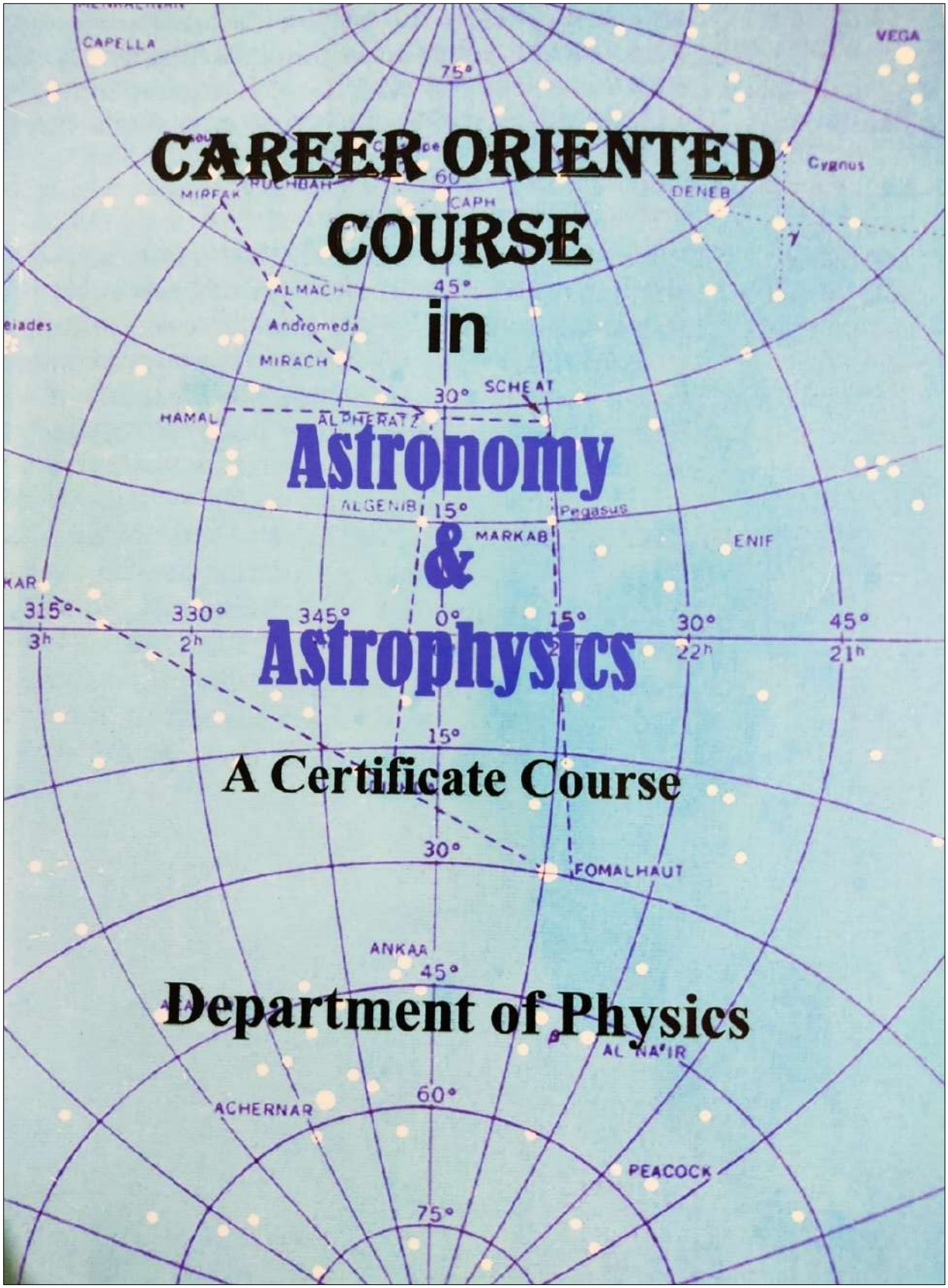
(Dr. (Mrs.) H.K. Chauhan)
Joint Director

Copy forwarded for information and necessary action to:

1. The Principal, **Shri Shivaji Science College, Morshi Road, Amravati, Dist. Amravati, Maharashtra** to intimate the receipt of the letter as well as the receipt of the sanction grant.
2. The Secretary to the Government of **Maharashtra**, Deptt. of Education, **Mumbai.**
3. The Registrar, **Sant Gadge Baba Amravati University, Amravati.**
4. Joint Director/Deputy Secretary/Education Officer, Western Regional Office, Ganeshkhind, Pune University Campus, Pune-411007, M.S.
5. Office of Director, General, Audit General Revenues, AGCR Bldg., I.P. Estate, New Delhi.
6. Guard File, UGC, New Delhi.

(Joginder)
Under Secretary

Principal
01.5.10.09


CAREER ORIENTED
COURSE
in
Astronomy
&
Astrophysics
A Certificate Course
Department of Physics
CAPELLA
VEGA
Cygnus
DENEB
ALMACH
Andromeda
MIRACH
SCHEAT
HAMAL
ALPHERATZ
ALGENIB
Pegasus
MARKAB
ENIF
FOMALHAUT
ANKAA
AL NA'IR
ACHERNAR
PEACOCK

List of the Students Enrolled and Attendance

Students Admitted &Passed in Astronomy and Astrophysics
Certificate Course 2020-21

Sr. No.	Name of Student			Class	Group
1	Vivek	Gaikwad	Sanjay	B.Sc. I	PHG
2	Trupti	Shelke	Santosh	B.Sc. I	PCM
3	Shravani	Chaudhari	Pramodrao	B.Sc. I	PCM
4	Kartik	Shelke	Santosh	B.Sc. I	PCM
5	Pooja	Gulhane	Ganeshrao	B.Sc. I	PCM
6	Pooja	Gulhane	Ganeshrao	B.Sc. I	PCM
7	Apeksha	Talan	Bapuraoji	B.Sc. I	PHG
8	Smruti	Chhapamohan	Vijay	B.Sc. I	PCM
9	Riya	Shrivas	Vinod	B.Sc. I	PCM
10	Shravani	Chaudhari	Pramodrao	B.Sc. I	PCM
11	Akshay	Jiskar	Vilasrao	B.Sc. I	PCM
12	Shraddha	Kute	Vijayrao	B.Sc. I	PCM
13	Aditya	Turkhade	Pramod	B.Sc. I	CMP
14	Dipti	Thakre	Anil	B.Sc. I	PCM
15	Poonam	Pete	Narendra	B.Sc. I	PCM
16	Parimal	Morande	Girish	B.Sc. I	PCM
17	Janhvi	Kene	Nitin	B.Sc. I	PCM
18	Kalyani	Bhandarkar	Ravindra	B.Sc. I	PCM
19	Akshay	Jiskar	Vilasrao	B.Sc. I	PCM
20	Arpita	Jiskar	Vilasrao	B.Sc. I	PCM
21	Pranjali	Meshram	Pramod	B.Sc. I	PCM
22	Ayushi	Bhilawekar	Kashiram	B.Sc. I	PCM
23	Shreya	Mahatme	Sanjay	B.Sc. I	PCM
24	Harshali	Gadge	Prabhakar	B.Sc. I	PCM

Certificate Course in Astronomy Astrophysics
Students Attendance
November 2020

Sr. No.	Name Date	09	10	11	12	13	16	17	18	19	20	23	24	25	26	27	30
1	Vivek Gaikwad	P	P	P		P	P	P	P	P	P	P	P		P	P	P
2	Trupti Shelke	P	P	P	P	P	P			P		P	P	P	P	P	P
3	Shravani Chaudhari	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
4	Kartik Shelke		P	P	P	P	P	P	P	P	P	P	P	P	P		P
5	Pooja Gulhane	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
6	Apeksha Talan	P	P	P	P	P	P	P		P	P	P	P	P	P	P	P
7	Smruti Chhapamohan	P				P	P		P	P					P	P	
8	Riya Shrivas	P				P	P	P	P	P	P				P	P	
9	Shravani Chaudhari		P	P	P	P	P	P		P	P	P	P	P	P		P
10	Aksha Jiskar	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
11	Shraddha Kute	P		P		P	P	P	P	P	P		P		P	P	
12	Aditya Turkhade		P	P	P	P	P		P	P		P	P	P	P		P
13	Dipti Thakre	P	P	P	P	P	P	P		P	P	P	P	P	P	P	P
14	Poonam Pete	P	P	P	P			P	P		P	P	P	P		P	P
15	Parimal Morande	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
16	Janhvi Kene		P	P	P	P	P	P	P	P	P	P	P	P	P		P
17	Kalyani Bhandarkar		P		P	P	P	P	P	P	P	P		P	P		P
18	Akshay Jiskar	P	P		P		P	P	P		P	P		P		P	P
19	Arpita Jiskar	P	P	P	P	P	P	P		P	P	P	P	P	P	P	P
20	Pranjali Meshram	P	P	P	P	P	P	P		P	P	P	P	P	P	P	P
21	Ayushi Bhilawekar	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
22	Shreya Mahatme	P	P	P	P			P	P		P	P	P	P		P	P
23	Harshali Gadge	P			P	P	P	P	P	P	P			P	P	P	

Certificate Course in Astronomy Astrophysics
Students Attendance
December 2020

Sr. No.	Name Date	07	08	09	10	11	14	15	16	17	18	21	22	23	24	25	29
1	Vivek Gaikwad	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
2	Trupti Shelke	P	P			P				P		P	P		P		P
3	Shravani Chaudhari	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
4	Kartik Shelke	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
5	Pooja Gulhane	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
6	Apeksha Talan	P	P	P		P	P	P		P	P	P	P		P	P	P
7	Smruti Chhapamohan	P	P		P	P			P	P				P	P		
8	Riya Shrivas	P	P	P	P	P	P	P	P	P	P			P	P	P	
9	Shravani Chaudhari	P	P	P		P	P	P		P	P	P	P		P	P	P
10	Aksha Jiskar	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
11	Shraddha Kute	P	P	P	P	P	P	P	P	P	P		P	P	P	P	
12	Aditya Turkhade	P	P		P	P			P	P		P	P	P	P		P
13	Dipti Thakre	P	P	P		P	P	P		P	P	P	P		P	P	P
14	Poonam Pete			P	P		P	P	P		P	P	P	P		P	P
15	Parimal Morande	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
16	Janhvi Kene	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
17	Kalyani Bhandarkar	P	P	P	P	P	P	P	P	P	P	P		P	P	P	P
18	Akshay Jiskar		P	P	P		P	P	P		P	P		P		P	P
19	Arpita Jiskar	P	P	P		P	P	P		P	P	P	P		P	P	P
20	Pranjali Meshram	P	P	P		P	P	P		P	P	P	P		P	P	P
21	Ayushi Bhilawekar	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
22	Shreya Mahatme			P	P		P	P	P		P	P	P	P	P	P	P
23	Harshali Gadge	P	P	P	P	P	P	P	P	P	P				P		P

Certificate Course in Astronomy Astrophysics
Students Attendance
January 2021

Sr. No.	Name Date	04	05	06	07	08	11	12	13	14	15	18	19	20	21	22	25
1	Vivek Gaikwad	P	P	P		P	P	P	P	P	P	P	P		P	P	P
2	Trupti Shelke	P	P	P	P	P	P			P		P	P	P	P	P	P
3	Shravani Chaudhari	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
4	Kartik Shelke		P	P	P			P	P	P	P	P	P	P	P		P
5	Pooja Gulhane	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
6	Apeksha Talan	P	P	P	P	P	P	P		P	P	P	P	P	P	P	P
7	Smruti Chhapamohan	P				P	P		P	P					P	P	
8	Riya Shrivas	P				P	P	P	P	P	P				P	P	
9	Shravani Chaudhari		P	P	P	P	P	P		P	P	P	P	P	P		P
10	Aksha Jiskar	P	P	P	P	P				P	P	P	P	P	P	P	P
11	Shraddha Kute	P		P		P	P	P	P	P	P		P		P	P	
12	Aditya Turkhade		P	P	P	P	P		P	P		P	P	P	P		P
13	Dipti Thakre	P	P	P	P	P	P	P		P	P	P	P	P	P	P	P
14	Poonam Pete	P	P	P	P			P	P		P	P	P	P		P	P
15	Parimal Morande	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
16	Janhvi Kene		P	P				P	P	P	P	P	P	P	P		P
17	Kalyani Bhandarkar		P		P	P	P	P	P	P	P	P		P	P		P
18	Akshay Jiskar	P	P		P		P	P	P		P	P		P		P	P
19	Arpita Jiskar	P	P	P	P	P	P	P		P	P	P	P	P	P	P	P
20	Pranjali Meshram		P	P	P	P	P	P		P	P	P	P	P	P	P	P
21	Ayushi Bhilawekar	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
22	Shreya Mahatme	P	P	P	P			P	P		P	P	P	P		P	P
23	Harshali Gadge	P			P	P	P	P	P	P	P			P	P	P	

Certificate Course in Astronomy Astrophysics
Students Attendance
February 2021

Sr. No.	Name Date	01	02	03	04	05	08	09	10	11	12	15	16	17	18	19	23
1	Vivek Gaikwad	P	P	P		P	P	P	P	P	P	P	P		P	P	P
2	Trupti Shelke	P	P	P	P	P	P			P		P	P	P	P	P	P
3	Shravani Chaudhari	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
4	Kartik Shelke		P	P	P			P	P	P	P	P	P	P	P		P
5	Pooja Gulhane	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
6	Apeksha Talan	P	P	P	P	P	P	P		P	P	P	P	P	P	P	P
7	Smruti Chhapamohan	P				P	P		P	P					P	P	
8	Riya Shrivas	P				P	P	P	P	P	P				P	P	
9	Shravani Chaudhari		P	P	P	P	P	P		P	P	P	P	P	P		P
10	Aksha Jiskar	P	P	P	P	P				P	P	P	P	P	P	P	P
11	Shraddha Kute	P		P		P	P	P	P	P	P		P		P	P	
12	Aditya Turkhade		P	P	P	P	P		P	P		P	P	P	P		P
13	Dipti Thakre	P	P	P	P	P	P	P		P	P	P	P	P	P	P	P
14	Poonam Pete	P	P	P	P			P	P		P	P	P	P		P	P
15	Parimal Morande	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
16	Janhvi Kene		P	P				P	P	P	P	P	P	P	P		P
17	Kalyani Bhandarkar		P		P	P	P	P	P	P	P	P		P	P		P
18	Akshay Jiskar	P	P		P		P	P	P		P	P		P		P	P
19	Arpita Jiskar	P	P	P	P	P	P	P		P	P	P	P	P	P	P	P
20	Pranjali Meshram		P	P	P	P	P	P		P	P	P	P	P	P	P	P
21	Ayushi Bhilawekar	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
22	Shreya Mahatme	P	P	P	P			P	P		P	P	P	P		P	P
23	Harshali Gadge	P			P	P	P	P	P	P	P			P	P	P	

Curriculum and Time table

CAREER ORIENTED COURSE SYLLABUS

Certificate Course in Astronomy and Astrophysics

Duration: Annual

Theory: 10 credits of 15 hours each

Unit I **History of Astronomy**

- Pre historic astronomy
- Early ideas of heavens
- Astronomy as tool in every day life and basis for religion.
- Contributions by ancient Hindu, Arabic and Greek astronomers or thinkers like Ptolemy, Aryabhatta, Varahmir, Nicolas Copernicus, Johannes Kepler, Galileo Galili, Tycho Brahe, Issac Newton etc.

Unit II **Sky and Coordinate system in Astronomy**

- Aspect of sky at a given place
- Sky conditions for astronomical observations
- Identification of some prominent stars in the night sky
- Spherical coordinate system.
- Latitude and longitude at a place on the earth.
- Celestial coordinate system (RA and Dec).
- Concept of celestial equator, elliptic and equinoxes.
- Precession of equinoxes.
- Astronomical definition of time.
- Visual magnitude system for stars and planets.

Unit III **Sky observations at night**

- Ideal sky for astronomical observations.
- Constellation including Zodiac belt.
- Sky charts.
- Motion of moon.
- Apparent motion of sun.
- Motion of planets.

Unit IV **Astronomical Instruments -I**

- Sextant : Principle of working and its application for measurement of coordinates of stars and planets.
- Binoculars : Principle of working, field of view, magnifying power, resolving power.
- DSLR camera : Principle of working and its features.

Field work/Project work : Field work/Project work based on critical study of any one of the topics included in theory or practical should be completed for the course.

Training : Training at leading research institute in India.

Practical : Perform at least 15 experiments based on theory paper.

Assessment

SHRI SHIVAJI SCIENCE COLLEGE, AMRAVATI

DEPARTMENT OF PHYSICS

Assessment

Career Oriented Program (COP)

Astronomy and Astrophysics

Result Analysis (2020-21)

Course	Year	No. of students admitted	No. of students passed
Certificate	2020-21	24	24



Shri Shivaji Education Society, Amravati's

Shri Shivaji Science College, Amravati

NAAC Accredited by Grade "A" with CGPA of 3.13 (Third Cycle),
UGC Awarded Status of College with Potential for Excellence (Second Phase),
Identified by DST, Govt of India for FIST and Sant Gadge Baba Amravati University, Amravati as Lead College

COC ASTRONOMY & ASTROPHYSICS

ASTRONOMY AND ASTROPHYSICS

Career Oriented Course

Approved by SANT GADGE BABA AMRAVATI UNIVERSITY, AMRAVATI

CERTIFICATE

This is to certify that Ms. Janvi N. Kene,
the within signed has successfully completed the prescribed course of studies and passed the CERTIFICATE COURSE in "ASTRONOMY AND ASTROPHYSICS" in First Division in the academic year 2020-21.

Date: 30/07/2021 Course Coordinator Principal

Summary Report and Outcome

The night sky dotted with millions of shining and twinkling stars is really a majestic spectacle to the eyes. It lets us wondering as to where these stars come from, enchant the world with their brilliant sparkle and then vanish and come back again the next night. Similar queries and hundreds of other mysteries like the movement of planets, of meteors and quest for life on other planets have left man dumbfounded. Astronomy, as a career option, ensures unravel these mysteries. If one is amazed at the mysteries of the universe and nurtures a desire to unravel this, choose the career of Astronomy. It will test one's scientific temperament and also satisfy one's curiosity. One opportunity to work with the best brains in the country and will become a part of the intellectual treasure of the world.

Astronomy is the science that deals with the material universe beyond the earth's atmosphere. It studies the nature and constitution of heavenly bodies. It is also the study of the laws, which govern them, as also the effect produce upon one another. It seeks to unravel the probable past history of heavenly bodies and their development.

The use of modern technology and new gadgets has made Astronomy a specialized branch of study in modern science. Man used to study the motion of planets and heavenly bodies since ancient times. With the science and technology, man began to use sophisticated technological gadgets for the purpose. Aryabhatta, Tycho Brahe and Sir Isaac Newton have been some of the best brains in Astronomy since the ages.

As Astronomer, one has to observe the night sky and gather various astronomical data, analyze them and then discern and compare other available data. Thereby, one will arrive at conclusions, refute old theories and build new theories.

Astronomy is divided into several branches such as Astrophysics, Astrometeorology, Astrobiology and Astrometry. These branches together help in the holistic study of the discipline and unravel the mysteries of the universe.

Objectives of the course

- The purpose and activities of the astronomy enthusiasts has till date been purely leisure. We feel the need to incorporate the existing facilities into the mainstream undergraduate physics education through this Career Oriented Course.
- This shall be amongst the very few institutes where the students get to make use of astronomical facility as a part of undergraduate education.
- The students would get an exposure to astronomy as an observational science.
- The academic curriculum shall be enriched.
- Help the students to develop skills that shall enable them to work in a group.
- Exposure of students to observation based research in Astronomy.
- Students and faculty as part of this course work to promote astronomy as a hobby and spread knowledge among the students of Colleges and schools of the neighboring areas.

Through this course we have arranged many Sky Watching Sessions at all Major Astronomical Events with

- 1. Celestron 8 inch Schmidt Cassegrain Telescope a view finder and inbuilt tracking system on an equatorial mount.
- 2. Binoculers (20X80 Giant and 25X100 Super Giant) with heavy duty mount.
- 3. Canon DSLR Camera EOS 5D MARK II
- Sessions on telescope handling and astrophotography for Schools
- Special educational sessions for the school students around
- Popular Lectures on astronomy and astrophysics

After the completion of the course students will

- learn the history of modern observational astronomy, with a key focus on how the interpretation of results from experimentation and observation guided the deployment of astronomy.
- be able to read the sky maps/ sky charts.
- learn different celestial coordinate systems
- be able to describe different zodiacal constellations.
- be able to describe detail changes which are observed when viewing the sky daily, weekly, monthly, annually and longer period of time and demonstrate an understanding of the reasons behind any observed changes.
- be able to describe the working principle of astronomical tools.
- be able to use basic astronomical tools.

Dept. of Physics (Physics with SCILAB)

Name and Duration of Program

Online Certificate Course on

"Physics with SCILAB"

Duration of the Course:

THREE WEEKS (20th July to 08th August 2020)

Five/Six video lectures will be released and two assignments (50 Marks each) will be given in one week. The lectures can be viewed at any time during that week and assignments shall have to be submitted before given deadline. The questions and discussions facility will be available through Google Classroom.

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	Total Students = **225**			

Curriculum and Time table

COURSE SCHEDULE

Module 1: Introduction to nanomaterials and their Synthesis (2 Credit)

Lecture 1: History, Status, and Importance of Nanoscience and Nanotechnology

Lecture 2: Co-precipitation synthesis

Lecture 3: Sol- gel synthesis

Lecture 4: Hydrothermal synthesis

Lecture 5: Combustion Method

Lecture 6: Solid State Method:

Lecture 7: Spray Pyrolysis Technique

Lecture 8: Green synthesis

Module 2: Characterization techniques session: (1 Credit)

Lecture 9: Fundamentals of X-ray diffraction & Instrumentation.

Lecture10: Crystallites size determination using X-ray diffraction spectroscopy.

Lecture 11: Fundamentals of FTIR spectroscopy and instrumentation.

Lecture 12: Analysis of FTIR spectra.

Lecture 13: Fundamentals of Raman spectroscopy.

Lecture 14: Applications of Raman spectroscopy.

Lecture15: Fundamentals of UV-Vis spectroscopy and instrumentation.

Lecture 16: Qualitative and quantitative study of materials using UV-Vis spectroscopy.

Lecture 17: Fundamentals of Electron Microscopy: SEM and TEM.

Lecture 18: Applications of SEM and TEM.

Weekly Plan:

Week 1 20th July – 25th July		Week 2 27th July – 01st August		Week 3 03rd August – 08th August	
Day	Topics	Day	Topics	Day	Topics
1	Introduction to SCILAB envoirnment	7	Least square fitting/ interpolation	13	Modeling and Simulations with X-cos
2	Matrix & Matrix operations -1	8	Plotting 2D & 3D graphs and animation	14	Modeling and Simulations with X-cos
3	Matrix & Matrix operations -2	9	Creating Functions in SCILAB	15	Creating codes to solve the problems in Physics
4	Creating Polynomials and obtaining the roots of Polynomials	10	SCILAB programming and conditional branching	16	Creating codes to solve the problems in Physics
5	Definite integrals, Solving ODE	11	Fourier Series and Plotting Fourier Series	17	Creating codes to solve the problems in Physics
6	Solving second order differential equations	12	Introduction to X-cos	18	Creating codes to solve the problems in Physics

Assessment

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Shivaji Nagar, Nagpur Road, Amravati (MS)

NAAC Accredited by Grade "A" with CGPA of 3.13 (Third Cycle),
UGC Awarded Status of College with Potential for Excellence (Second Phase),
Identified by DST, Govt of India for FIST and Sant Gadge Baba Amravati University, Amravati as Lead College

Affiliated to Sant Gadge Baba Amravati University, Amravati (MS) INDIA

CERTIFICATE

This Certificate is awarded to

Master Santosh Sourav Sahoo

Position: Student **Affiliation:** NATIONAL INSTITUTE OF SCIENCE EDUCATION AND RESEARCH, BHUBANESWAR

For the successful completion of the Online Certificate Course on PHYSICS WITH SCILAB as prescribed and ported by the Department of Physics during 20th July -15th August 2020.

His/Her performance was

Satisfactory(B)/ Good(B+)/ Excellent(A)/ **Outstanding(A+)**.

Course Coordinator **Head of the Department** **IQAC Coordinator** **Principal**

Date: 17/08/2020

Summary Report and Outcome

Online Certificate Course on

"Physics with SCILAB"

23rd August to 18th September 2021

REPORT

The applications of SCILAB software in Science and Engineering bearing in mind, a four weeks online course "Physics with SCILAB" (2nd Edition) was designed and implemented by Department of Physics during 23rd August to 18th September 2021 particularly for Physics Students and Faculty.

The course was announced through online platforms two months prior to the commencement. An enormous response had received from the Physics students from all over India, including the UG/PG/Research students of IIT's, IISER's, NIT's, Central Universities, State Universities, Deemed Universities and Affiliated collages. In all 373 students registered out of which 225 students were selected for the course. After rigorous evaluation through the five assessments 110 have found eligible for awarding the course completion certificate.

The course was conducted totally through online platform as Video Lectures (You Tube) and Live Online Lectures (Zoom).

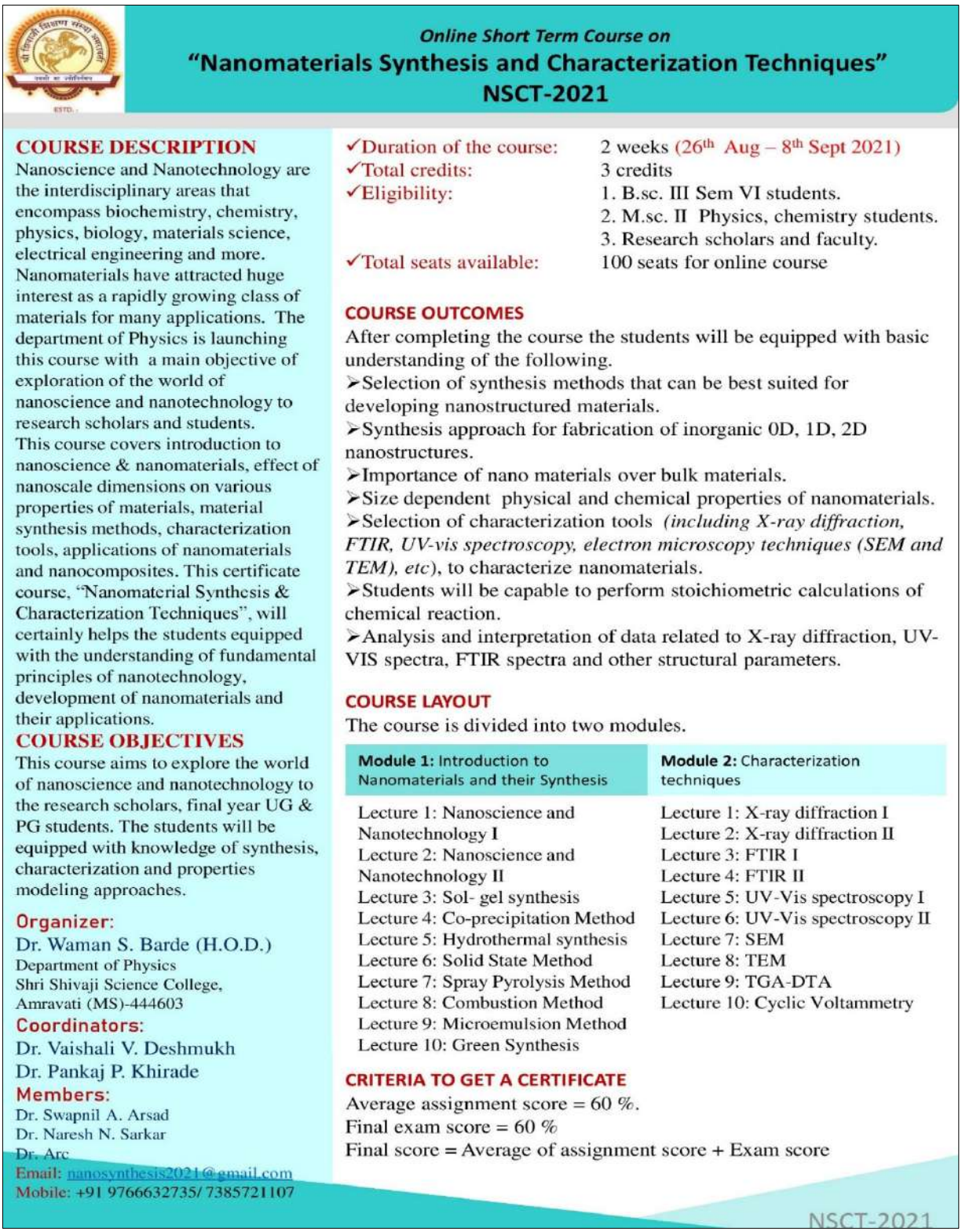
The expected outcomes of the course from the participants as mentioned below have confirmed through the evaluation of the assignments conducted during the course. The satisfaction of the students is reflected in their feedbacks about the course contents, content delivery, doubt solving and evaluation process.

Students learned through this course:

- Introduction to Scilab environment
- Scilab datatypes, variables and constants
- Matrix operation in Scilab
- Plotting math functions in Scilab
- Changing axes properties in scilab plots
- Plotting Bar graphs in Scilab
- Putting Latex formatted text and math symbols in Scilab plots
- Solving linear algebraic equations in Scilab
- Introduction to Xcos: The Scilab simulator
- Making simulations for Physical systems using Xcos
- Introduction to Scilab functions
- Writing your own functions in Scilab
- Solving ordinary differential equations
- Calculating Fourier coeficients and Plotting Fourier Series
- Conditional branching
- Creating codes to solve the problems in Physics

Dept. of Physics (Nanomaterial Synthesis and Characterisation Technique)

Name and Duration of Program



Online Short Term Course on

"Nanomaterials Synthesis and Characterization Techniques"

NSCT-2021

COURSE DESCRIPTION

Nanoscience and Nanotechnology are the interdisciplinary areas that encompass biochemistry, chemistry, physics, biology, materials science, electrical engineering and more. Nanomaterials have attracted huge interest as a rapidly growing class of materials for many applications. The department of Physics is launching this course with a main objective of exploration of the world of nanoscience and nanotechnology to research scholars and students. This course covers introduction to nanoscience & nanomaterials, effect of nanoscale dimensions on various properties of materials, material synthesis methods, characterization tools, applications of nanomaterials and nanocomposites. This certificate course, "Nanomaterial Synthesis & Characterization Techniques", will certainly helps the students equipped with the understanding of fundamental principles of nanotechnology, development of nanomaterials and their applications.

COURSE OBJECTIVES

This course aims to explore the world of nanoscience and nanotechnology to the research scholars, final year UG & PG students. The students will be equipped with knowledge of synthesis, characterization and properties modeling approaches.

Organizer:

Dr. Waman S. Barde (H.O.D.)
Department of Physics
Shri Shivaji Science College,
Amravati (MS)-444603

Coordinators:

Dr. Vaishali V. Deshmukh
Dr. Pankaj P. Khirade

Members:

Dr. Swapnil A. Arsad
Dr. Naresh N. Sarkar
Dr. Arc

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✓Duration of the course: 2 weeks (26th Aug – 8th Sept 2021)
✓Total credits: 3 credits
✓Eligibility: 1. B.sc. III Sem VI students.
2. M.sc. II Physics, chemistry students.
3. Research scholars and faculty.
✓Total seats available: 100 seats for online course

COURSE OUTCOMES

After completing the course the students will be equipped with basic understanding of the following.

- Selection of synthesis methods that can be best suited for developing nanostructured materials.
- Synthesis approach for fabrication of inorganic 0D, 1D, 2D nanostructures.
- Importance of nano materials over bulk materials.
- Size dependent physical and chemical properties of nanomaterials.
- Selection of characterization tools *(including X-ray diffraction, FTIR, UV-vis spectroscopy, electron microscopy techniques (SEM and TEM), etc)*, to characterize nanomaterials.
- Students will be capable to perform stoichiometric calculations of chemical reaction.
- Analysis and interpretation of data related to X-ray diffraction, UV-VIS spectra, FTIR spectra and other structural parameters.

COURSE LAYOUT

The course is divided into two modules.

Module 1: Introduction to Nanomaterials and their Synthesis	**Module 2:** Characterization techniques
Lecture 1: Nanoscience and Nanotechnology I	Lecture 1: X-ray diffraction I
Lecture 2: Nanoscience and Nanotechnology II	Lecture 2: X-ray diffraction II
Lecture 3: Sol- gel synthesis	Lecture 3: FTIR I
Lecture 4: Co-precipitation Method	Lecture 4: FTIR II
Lecture 5: Hydrothermal synthesis	Lecture 5: UV-Vis spectroscopy I
Lecture 6: Solid State Method	Lecture 6: UV-Vis spectroscopy II
Lecture 7: Spray Pyrolysis Method	Lecture 7: SEM
Lecture 8: Combustion Method	Lecture 8: TEM
Lecture 9: Microemulsion Method	Lecture 9: TGA-DTA
Lecture 10: Green Synthesis	Lecture 10: Cyclic Voltammetry

CRITERIA TO GET A CERTIFICATE

Average assignment score = 60 %.
Final exam score = 60 %
Final score = Average of assignment score + Exam score

NSCT-2021

List of the Students Enrolled and Attendance

S.N.	Timestamp	Email Address	Name
1	8/19/2021 12:19:16	drsva205@gmail.com	Agnihotri Sarita Vijay
2	8/17/2021 13:57:53	pmaiswarya1@gmail.com	AISWARYA P.M.
3	8/17/2021 13:45:37	aravindachem@gmail.com	Aravinda T
4	8/17/2021 14:33:58	vaishnaviasare02613@gmail.com	Asare Vaishnavi Prafullrao
5	8/23/2021 1:04:17	ashainb2019@gmail.com	ASHA INBANATHAN
6	8/17/2021 16:55:14	ashishkashyapa1998@gmail.com	Ashish kashyap
7	8/18/2021 16:31:35	bhaurao.balbudhe@gmail.com	Balbudhe Bhaurao Rupchand
8	8/19/2021 12:19:40	komalbhaje298@gmail.com	BHAJE KOMAL SHRIKANT
9	8/17/2021 17:32:17	kadambaribobade123@gmail.com	Bobade Kadambari Sanjay
10	8/17/2021 18:33:59	sanketbopulkar2001@gmail.com	Bopulkar Sanket Arunrao
11	8/17/2021 15:49:08	nainachainani10@gmail.com	Chainani Naina Mukeshkumar
12	8/18/2021 16:07:55	lalitchanne74@gmail.com	Channe Lalit Dnyaneshwar
13	8/22/2021 15:54:04	akashchavhan7219@gmail.com	CHAVAN AKASH GAJANAN
14	8/22/2021 9:49:00	21shraddhachavan@gmail.com	CHAVAN SHRADDHA GAJANAN
15	8/17/2021 12:53:59	siddhalichaware@gmail.com	Chaware Siddhali Parag
16	8/17/2021 12:51:00	aishwaryadahiwade96@gmail.com	Dahiwade aishwarya bhimrao
17	8/17/2021 14:35:55	monalidapurkar20@gmail.com	Dapurkar Monali Sanjayrao
18	8/22/2021 9:38:07	samikshadarokar30@gmail.com	Darokar samiksha Aanandrao
19	8/17/2021 14:58:22	samikshadeole1999@gmail.com	Deole Samiksha Rajkumar
20	8/17/2021 14:17:16	mallinathdhange@gmail.com	Dhange Mallinath
21	8/23/2021 20:41:16	dnyaneshk1999@gmail.com	Dhnyanesh Anantrao kadam
22	8/23/2021 21:12:07	dnyaneshk1999@gmail.com	Dhnyanesh Anantrao kadam
23	8/17/2021 17:25:21	akshaydhurve7887@gmail.com	Dhurve Akshay Prabhakarrao
24	8/23/2021 20:59:34	dindekarsamiksha@gmail.com	Dindekar Samiksha Mohan
25	8/18/2021 9:17:12	sakharedhondiram@yahoo.com	DR. DHONDIRAM TUKARAM SAKHARE
26	8/17/2021 13:51:49	ravichem10@gmail.com	Dr. Ravi S. Naik
27	8/17/2021 13:52:30	vinuthmirle@gmail.com	Dr. Vinuth M
28	8/17/2021 19:43:12	nataraj.jit@gmail.com	G Nataraja

S.N.	Timestamp	Email Address	Name
29	8/23/2021 23:25:49	gayatrigawande5200@gmail.com	Gawande Gayatri Padmakar
30	8/17/2021 12:48:18	gawandepruthviraj004@gmail.com	GAWANDE PRUTHVIRAJ DILIP
31	8/17/2021 15:21:55	muktaghogare29@gmail.com	Ghogare Mukta Ravindra
32	8/17/2021 13:52:12	gkg8081@gmail.com	Hardeep Kumar Gond
33	8/17/2021 20:55:13	gayatriharne001@gmail.com	Harne Gayatri Gajanan
34	8/17/2021 13:07:15	wankhadehg@gmail.com	Harshali Ganeshrao Wankhade
35	8/21/2021 15:08:36	hemanthamv@gmail.com	HEMANTHA M
36	8/17/2021 17:00:50	sayalihore68@gmail.com	Hore Sayali Dinesh
37	8/17/2021 18:50:33	moontahaimran786@gmail.com	IMRAN KHAN MANSURI
38	8/22/2021 9:19:29	inglejt2013@gmail.com	Ingle Jitendra Tejabsingh
39	8/17/2021 17:52:35	kuldipi2016@gmail.com	Ingle Kuldip Ranjit
40	8/17/2021 20:12:51	kajalisad99@gmail.com	Isad Kajal Prabhuji
41	8/18/2021 19:29:00	ishwarmohurley@gmail.com	Ishwar Shrawan Mohurley
42	8/17/2021 12:48:59	itsmenileshchem@gmail.com	Jadhao Nilesh Govinda
43	8/19/2021 20:21:51	kadusakshi699@gmail.com	Kadu Sakshi Ganeshrao
44	8/19/2021 14:48:53	anandkakde85@gmail.com	Kakde Anand Sharad
45	8/18/2021 16:50:03	gauravkale1409@gmail.com	Kale Gaurav Dnyaneshwar
46	8/21/2021 15:06:44	kkavya1991@gmail.com	KAVYASHREE K
47	8/17/2021 13:08:20	darshika.sanjaykhone.20pd@bmu.edu.in	Khone Darshika Sanjay
48	8/17/2021 13:39:34	koustavmaiti17@gmail.com	Koustav Maiti
49	8/20/2021 16:00:38	madhuradr285@gmail.com	Madhura D R
50	8/17/2021 21:19:59	madhuridr13@gmail.com	Madhuri D R
51	8/18/2021 20:45:11	ranimahure3@gmail.com	Mahure Rani Sudhakar
52	8/17/2021 14:36:08	janhvim2015@gmail.com	Malode Janhvi Bhaurao
53	8/17/2021 13:48:28	vaishnavimangle@gmail.com	Mangle Vaishnavi Pramod
54	8/18/2021 19:05:53	meshramhemant23@gmail.com	Meshram Hemantkumar Bhimrao
55	8/25/2021 11:01:55	anujamohod64@gmail.com	Mohod Anuja Sureshrao
56	8/17/2021 13:54:14	mohsinataj@sit.ac.in	MOHSINA TAJ
57	8/17/2021 13:59:53	mudasirphysics336@gmail.com	Mudasir Farooq
58	8/17/2021 17:58:47	rajeshyadav.m@vishnu.edu.in	Mudi Rajesh Yadav
59	8/25/2021 11:07:05	maheshmundane071@gmail.com	Mundane Mahesh Gowardhan
60	8/17/2021 14:16:03	vijendra17@gmail.com	N. Vijendra Kumar

S.N.	Timestamp	Email Address	Name
61	8/18/2021 10:16:43	shanmathirt2017@gmail.com	N.SHANMATHI
62	8/17/2021 14:26:55	nagaprasad729@gmail.com	Nagendra Prasad B K
63	8/17/2021 13:48:43	neeleshsaha2001@gmail.com	Neelesh Saha
64	8/17/2021 17:14:18	vishalnikamabc@gmail.com	Nikam Vishal Ravindra
65	8/21/2021 6:07:33	nurenkl@gmail.com	Nurendra K L
66	8/22/2021 9:26:24	pratiksha.ssc2017@gmail.com	Palaspagar Pratiksha Vijay
67	8/19/2021 18:25:04	sap7001@gmail.com	Pande Shilpa Atul
68	8/17/2021 12:42:37	tanvi.paturde2810@gmail.com	Paturde tanvi pradip
69	8/17/2021 12:45:13	prajwalpawar121199@gmail.com	Pawar prajwal Vinodrao
70	8/22/2021 9:31:58	psmuley97@gmail.com	Payal Sharad Muley
71	8/21/2021 9:22:34	prakrthian@gmail.com	Prakrthi A N
72	8/17/2021 14:32:51	radhikajakhotiya1999@gmail.com	Radhika Sukhdeo Jakhotiya
73	8/17/2021 15:31:54	ramabaissagfgc@gmail.com	RAMABAI
74	8/17/2021 13:43:22	rameshmalladi7@gmail.com	Ramesh S Malladi
75	8/18/2021 9:40:45	ankitkarpa050@gmail.com	Rathod Ankit Arun
76	8/22/2021 9:06:39	rathodpp11.phy@gmail.com	Rathod Pravin Prakash
77	8/17/2021 19:44:08	Sakshiraut502@gmail.com	Raut Sakshi Haridas
78	8/17/2021 13:38:19	sathish.reddy@reva.edu.in	Reddy
79	8/17/2021 13:38:06	rehash.ranjan@gmail.com	Rehash Ranjan
80	8/17/2021 20:59:20	mirishabh14@gmail.com	Rishabh Maurya
81	8/18/2021 17:37:40	rwandhare1994@gmail.com	Rupesh Shamrao Wandhare
82	8/17/2021 16:53:33	sasibashini@gmail.com	S.SASIKALA
83	8/17/2021 14:23:33	sandeep12chem@gmail.com	Sandeep S
84	8/17/2021 13:53:09	santhuwodeyar@gmail.com	SANTHOSHKUMAR A S
85	8/17/2021 17:48:48	vaishnavi.saraf98@gmail.com	Saraf Vaishnavi Suresh
86	8/24/2021 7:01:54	poojasardar101@gmail.com	Sardar Pooja Shamrao
87	8/22/2021 9:19:53	rohitsardar0310@gmail.com	SARDAR ROHIT DILIP
88	8/19/2021 21:37:24	manishasawlani24@gmail.com	Sawlani manisha ashok
89	8/17/2021 14:36:55	math.ssbenal@bldeacet.ac.in	Shaila. S.Benal
90	8/17/2021 12:50:03	darshansharma712@gmail.com	Sharma Darshan Anil
91	8/20/2021 10:32:17	shivpatel2130@gmail.com	SHIV PATEL
92	8/23/2021 20:26:17	21shraddhachavan@gmail.com	Shraddha Gajanan Chavan

S.N.	Timestamp	Email Address	Name
93	8/18/2021 9:09:22	abshksng@gmail.com	Singh Abhishek Kumar
94	8/17/2021 22:44:03	Soujanyabrh1112@gmail.com	Sowjanya.R
95	8/17/2021 14:11:57	sowmyapt@wce.ac.in	Sowmya P T
96	8/17/2021 14:41:59	chetansoye@gmail.com	Soye Chetan Vidyadhar
97	8/17/2021 22:38:06	gr_suma@sit.ac.in	Suma GR
98	8/21/2021 19:33:58	suribabu.j@vishnu.edu.in	SURI BABU JOGA
99	8/17/2021 13:49:40	swamynathan.k@nmit.ac.in	Swamynathan. K
100	8/17/2021 13:37:03	choudhurys2012@gmail.com	Swarnadeep Choudhury
101	8/17/2021 17:55:54	tvlbalaji@gmail.com	T V L Balaji Gupta
102	8/20/2021 19:15:30	pragatitale27@gmail.com	Tale Pragati Khanduji
103	8/22/2021 10:58:18	mayutirangase@gmail.com	Tirangase Mayuri Rameshrao
104	8/18/2021 16:08:29	harshtiwari2711@gmail.com	Tiwari Harsh Rajesh
105	8/17/2021 16:15:07	prachtiwari03@gmail.com	Tiwari Prachi Subhash
106	8/19/2021 12:15:00	priyatumram23@gmail.com	Tumram Priya Vinayak
107	8/24/2021 16:32:25	valeriedsouza20@gmail.com	Valerie Dsouza
108	8/17/2021 13:47:32	mahesh.vasava@nfsu.ac.in	Vasava Mahesh
109	8/17/2021 17:57:45	shreebhat101@gmail.com	VINAYASHREE SHRIDHAR BHAT
110	8/17/2021 14:39:12	beaulahsam@gmail.com	Violet beaulah S
111	8/17/2021 13:52:20	amrutaw01@gmail.com	Wagh Amruta Manikrao
112	8/17/2021 12:54:31	achalwankar2018@gmail.com	Wankar Achal Dinesh
113	8/19/2021 12:28:06	vaishu.wararkar123@gmail.com	Wararkar Vaishnavi Pramod
114	8/21/2021 15:36:59	sakshizade600@gmail.com	Zade Sakshi Rajendra
115	8/21/2021 3:36:60 P	dnyneshwarif@gmail.com	Dnyaneshwari Pramodrao fale
		Total: 115 Participants	

Curriculum and Time table

COURSE SCHEDULE

Module 1: Introduction to nanomaterials and their Synthesis (2 Credit)

Lecture 1: History, Status, and Importance of Nanoscience and Nanotechnology

Lecture 2: Co-precipitation synthesis

Lecture 3: Sol- gel synthesis

Lecture 4: Hydrothermal synthesis

Lecture 5: Combustion Method

Lecture 6: Solid State Method:

Lecture 7: Spray Pyrolysis Technique

Lecture 8: Green synthesis

Module 2: Characterization techniques session: (1 Credit)

Lecture 9: Fundamentals of X-ray diffraction & Instrumentation.

Lecture10: Crystallites size determination using X-ray diffraction spectroscopy.

Lecture 11: Fundamentals of FTIR spectroscopy and instrumentation.

Lecture 12: Analysis of FTIR spectra.

Lecture 13: Fundamentals of Raman spectroscopy.

Lecture 14: Applications of Raman spectroscopy.

Lecture15: Fundamentals of UV-Vis spectroscopy and instrumentation.

Lecture 16: Qualitative and quantitative study of materials using UV-Vis spectroscopy.

Lecture 17: Fundamentals of Electron Microscopy: SEM and TEM.

Lecture 18: Applications of SEM and TEM.

Assessment

S.N.	Timestamp	Score	Name of the participant:
1	9/8/2021 15:51:08	94 / 100	Abhishek Kumar Singh
2	9/8/2021 17:33:00	76 / 100	AISWARYA P.M.
3	9/8/2021 15:57:23	68 / 100	Akshay Prabhakarrao Dhurve
4	9/8/2021 15:39:35	90 / 100	Amruta Manikrao Wagh
5	9/8/2021 15:30:04	100 / 100	Ankit Arun Rathod
6	9/8/2021 16:43:17	96 / 100	Anuja Sureshrao Mohod
7	9/8/2021 16:36:42	82 / 100	ASHA INBANATHAN
8	9/8/2021 16:47:20	36 / 100	Ashish kashyap
9	9/8/2021 15:06:11	44 / 100	Ayan Das
10	9/8/2021 15:36:23	74 / 100	Bhaurao R Balbudhe
11	9/8/2021 15:58:15	20 / 100	Darshan kawathkar
12	9/8/2021 15:59:59	74 / 100	Darshika Sanjay Khone
13	9/8/2021 15:41:41	52 / 100	Dhnyanesh Anantrao Kadam
14	9/8/2021 16:04:35	100 / 100	Dnyaneshwari Pramodrao fale
15	9/8/2021 18:02:49	68 / 100	Dr Anand S Kakde
16	9/8/2021 15:58:58	86 / 100	Dr Ishwar Shrawan Mohurley
17	9/8/2021 16:17:14	72 / 100	Dr sandeep s
18	9/8/2021 15:39:27	74 / 100	DR. DHONDIRAM TUKARAM SAKHARE
19	9/8/2021 15:59:56	78 / 100	Dr. Mahesh Vasava
20	9/8/2021 16:34:41	46 / 100	Dr. Mallinath Dhange
21	9/8/2021 17:11:47	84 / 100	Dr. Priya V. Tumram
22	9/8/2021 15:19:21	76 / 100	Dr. Rajesh Yadav Mudi
23	9/8/2021 16:37:10	68 / 100	Dr. S. V. Agnihotri
24	9/8/2021 17:00:52	64 / 100	Dr. Vinuth M
25	9/8/2021 16:40:31	90 / 100	Gauri Ratnakar Thakare
26	9/8/2021 16:32:23	74 / 100	Gayatri Padmakar Gawande
27	9/8/2021 15:51:18	98 / 100	Harsh Rajesh Tiwari
28	9/8/2021 16:06:12	84 / 100	Kadambari sanjay bobde
29	9/8/2021 15:39:20	78 / 100	Kavyashree K

31	9/8/2021 16:09:29	84 / 100	KULDIP RANJIT INGLE
32	9/8/2021 16:02:52	64 / 100	Lalit Dnyaneshwar Channe
33	9/8/2021 15:50:52	72 / 100	Madhura D R
34	9/8/2021 15:41:07	82 / 100	Manisha sawlani
35	9/8/2021 16:04:29	98 / 100	Monali Sanjayrao Dapurkar
36	9/8/2021 15:44:27	86 / 100	Mrs. Madhuri D R
37	9/8/2021 15:59:11	56 / 100	Mukta Ravindra Ghogare
38	9/8/2021 15:53:18	40 / 100	NATARAJA G
39	9/8/2021 15:55:02	28 / 100	Payal Sharad Muley
40	9/8/2021 15:48:49	76 / 100	Prachi Tiwari
41	9/8/2021 15:59:11	88 / 100	PRAJWAL VINODRAO PAWAR
42	9/8/2021 15:51:03	78 / 100	Prakrthi A N
43	9/8/2021 15:41:00	88 / 100	Pratiksha Vijay Palaspagar
44	9/8/2021 15:22:14	84 / 100	Pravin Prakash Rathod
45	9/8/2021 15:50:52	92 / 100	PRUTHVIRAJ DILIP GAWANDE
46	9/8/2021 15:38:25	70 / 100	RAMESH S. MALLADI
47	9/8/2021 16:00:09	94 / 100	Rani Sudhakar Mahure
48	9/8/2021 15:36:22	80 / 100	Rehash Ranjan
49	9/8/2021 16:01:01	98 / 100	Rupesh Shamrao Wandhare
50	9/8/2021 15:30:23	76 / 100	S. VIOLET BEAULAH
51	9/8/2021 15:22:24	54 / 100	Sakshi Haridas Raut
52	9/8/2021 16:01:29	70 / 100	Sakshi Rajendra Zade
53	9/8/2021 15:46:59	88 / 100	Sanket Arunrao Bopulkar
54	9/8/2021 16:14:36	54 / 100	Shaila. S.Benal
55	9/8/2021 16:03:04	78 / 100	Shraddha Gajanan Chavan
56	9/8/2021 15:17:16	94 / 100	Siddhali Chaware
57	9/8/2021 16:10:47	76 / 100	Swarnadeep Choudhury
58	9/8/2021 15:23:08	86 / 100	T V L Balaji Gupta
59	9/8/2021 17:21:26	44 / 100	Vaishnavi Pramod Mangle
60	9/8/2021 15:50:09	82 / 100	Vaishnavi Suresh Saraf
61	9/8/2021 19:06:01	66 / 100	Vaishnavi Wararkar
62	9/8/2021 15:47:14	66 / 100	Vishal Nikam
	Total Candidates passed = 62		

Shri Shivaji Education Society, Amravati's

Shri Shivaji Science College

Shivaji Nagar, Nagpur Road, Amravati (MS)

NAAC Accredited by Grade "A" with CGPA of 3.13 (Third Cycle),
UGC Awarded Status of College with Potential for Excellence (Second Phase),
Identified by DST, Govt of India for FIST and Sant Gadge Baba Amravati University, Amravati as Lead College

Affiliated to Sant Gadge Baba Amravati University, Amravati (MS) INDIA



CERTIFICATE

This Certificate is awarded to

Mr. Abhishek Kumar Singh

Position: Faculty **Affiliation:** University of Allahabad

For the successful completion of the Online Certificate Course on **"Nanomaterials Synthesis and Characterization Techniques (NSCT-2021)"** as prescribed and ported by the Department of Physics during 26th August -08th September 2021.

His\Her performance was Outstanding(A+).

Course Coordinator's	Head of the Department	IQAC Coordinator	Principal

Date: 18/09/2021

Summary Report and Outcome

REPORT

Nanotechnology and Nanoscience are interdisciplinary fields that include chemistry, physics, biology, materials science, electrical engineering, and many more. The current course was implemented with an aim to provide an overview of some of the basic principles behind nanotechnology and nanomaterials, as well as various synthesis methods, characterisation techniques and applications. A two-week short-term course on "Nanomaterials Synthesis and Characterization Techniques 2021" was designed and implemented by Department of Physics during 26th August to 8th September 2021 for Physics Chemistry Students, Research scholars and Faculty members.

The course was announced through online platforms one month prior to the commencement. An enormous response had received from the Physics (material science) students from all over India, including the UG/PG/Research students of several reputed Research Institutions, Central Universities, State Universities, Deemed Universities and Affiliated collages as well as few students from abroad viz. M.A.H.E. Dubai Campus. In all 115 students registered for this course. After rigorous evaluation through the ten assessments 62 have found eligible for awarding the course completion certificate. The course was conducted totally through online platform as Video Lectures (You Tube) and Live Online Lectures (Zoom).

The expected outcomes of the course from the participants as mentioned below have confirmed through the evaluation of the assignments conducted during the course. The satisfaction of the students is reflected in their feedbacks about the course contents, content delivery, doubt solving and evaluation process.

Students learned through this course:

After completing the course the students equipped with basic understanding of the following.

- Selection of synthesis methods that can be best suited for developing nanostructured materials.
- Synthesis approach for fabrication of inorganic 0D, 1D, 2D nanostructures.
- Importance of nano materials over bulk materials.
- Size dependent physical and chemical properties of nanomaterials.
- Selection of characterization tools *(including X-ray diffraction, FTIR, UV-vis spectroscopy, electron microscopy techniques (SEM and TEM), etc*), to characterize nanomaterials.
- Students will be capable to perform stoichiometric calculations of chemical reaction.
- Analysis and interpretation of data related to X-ray diffraction, UV-VIS spectra, FTIR spectra and other structural parameters.



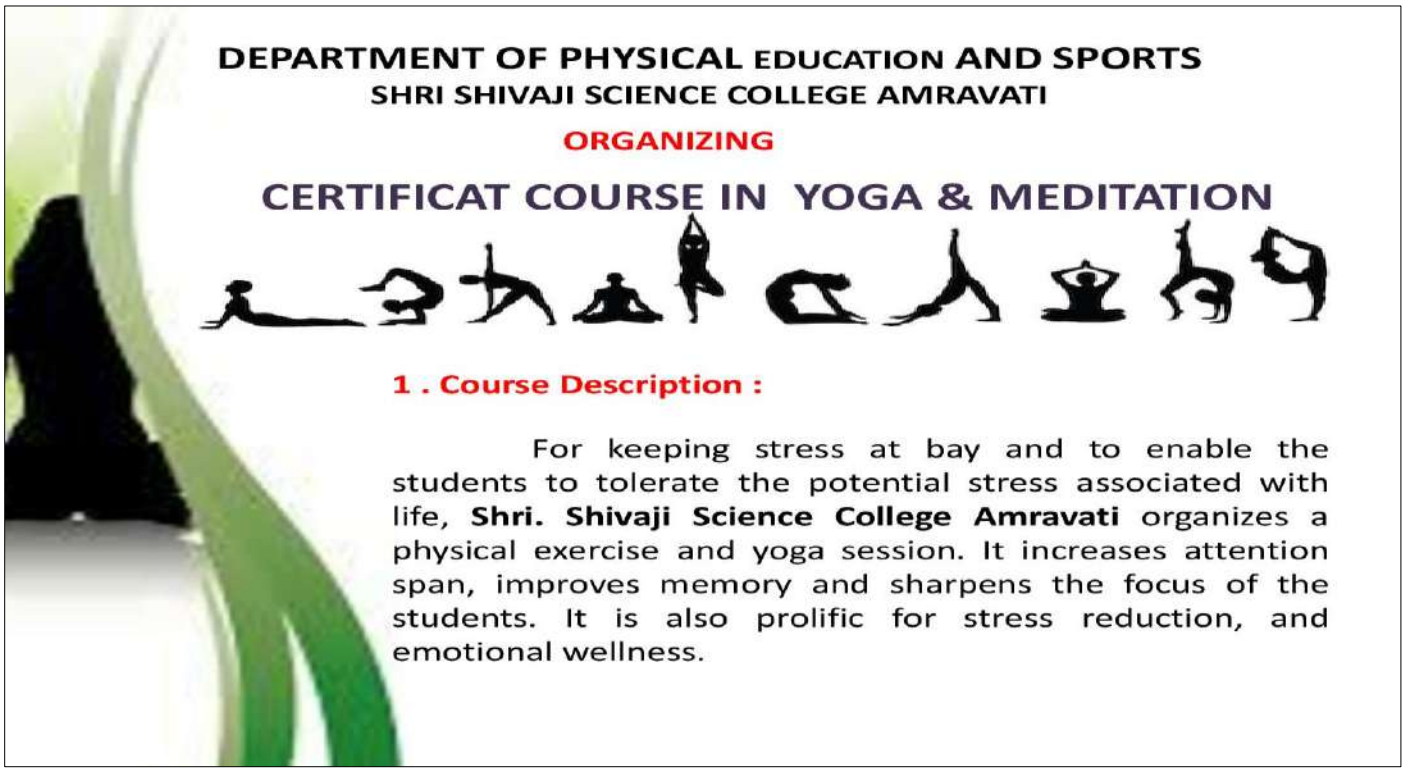
Coordinators

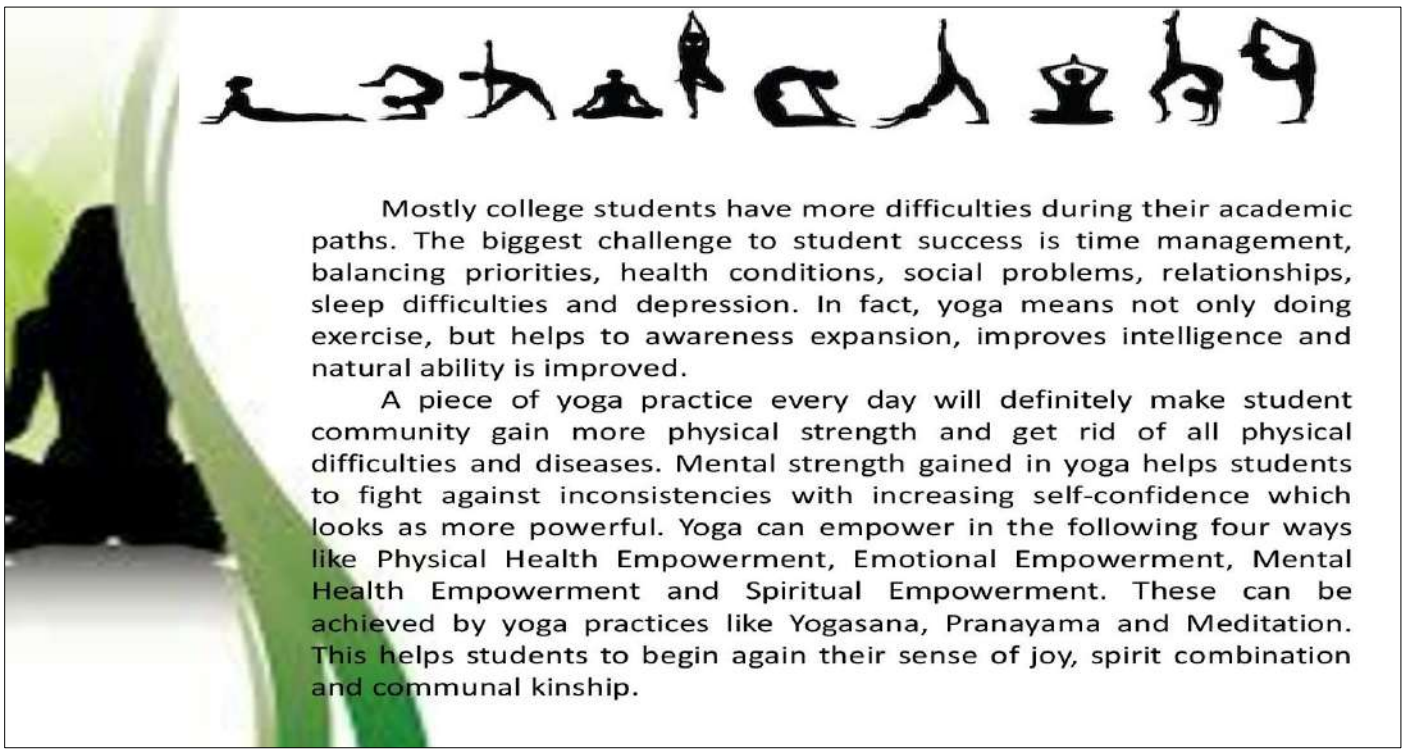


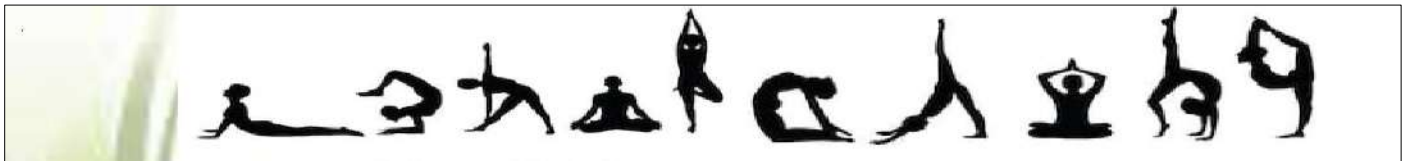
Head

Dept. of Physical Education (Certificate Course Yoga and Meditation)

Name and Duration of the Program





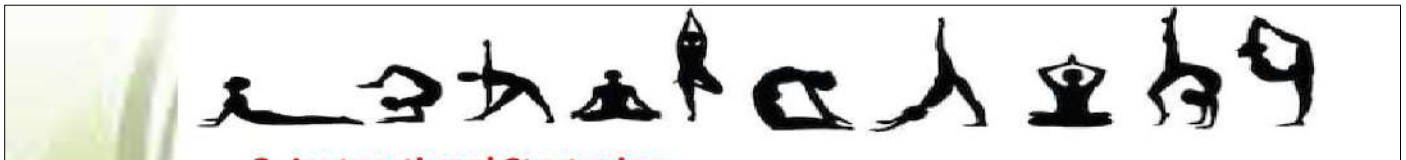


2. Course Objectives :

Yoga education helps in self-discipline and self-control, leading to immense amount of awareness, concentration and higher level of consciousness. Briefly the aims and objectives of Yoga education are:

1) To enable the student to have good health.
2) To practice mental hygiene.
3) To possess emotional stability.
4) To integrate moral values.
5) To attain higher level of consciousness.

Yoga education could help to equip oneself with basic knowledge about one's personality, to learn to handle oneself well in all life situations, to learn techniques of gaining good health, to develop a discriminative mind capable of knowing the real from the unreal and to face the dualities of life with equanimity.



3. Instructional Strategies:

To make learning more effective and interesting, Video lecture, demonstration of yoga practical's with innovative techniques, Animated Videos, Daily interesting Quizzes and Assignments will be provided .

4. Instructional Material:

The main approach of this course is learner-oriented and the learner is an active participant in the teaching-learning and coaching process. Most of the instructions are imparted through online and distance mode.

1. This online course mainly focuses on Self Learning Material (SLM) and they are up-gradation by eminent students.

2. Text information plays a vital role in online education. Video lectures, Animated Videos, Quizzes, Assignments that have been prepared by the department of physical education and sports for the enhancement of understanding the course material and demonstration videos given to the student.

3. Delivery of classroom-like lectures will also be available in the student portal


5. Evaluation Strategy:
Daily Quizzes, Assignments and Final quiz ,
practical videos by students
6 . Duration of the course :
The duration of the course is 1 month (4 week) and day wise lectures will be uploaded on college students group which is only for the yoga and meditation course and You Tube also.
7 . Credits : 2
8. Course Outline :
Total modules & Titles of modules:
Module 1 : Yogic Therapy through Traditional Understanding
Module 2 : Asanas
Module 3 : Pranayama
Module 4 :Bandhas , Mudras and Kriyas

List of the Students Enrolled and Attendance

				University			
8/4/2020 10:09:53	prajwalchaudhari532@gmail.com	Prajwal Sanjay Chaudhari	Student	Shri Shivaji Science college of Amravati	7028650595	Amravati	No
8/4/2020 15:26:22	drjyotinverma.99@gmail.com	Dr. jyoti verma	Teacher	Bundelkhand digree college jhansi	9935809789	Jhansi	Yes
8/4/2020 15:43:44	kalpanagonde29602@gmail.com	Kalpana Wamanrao Gonde	Student	Aney mahila mahavidyalay yavatmal	8421497977	Yavatmal	
8/4/2020 16:03:56	varshakishorjadhav@gmail.com	Pratibha Arvind Kadu	Teacher	Z.P.(Ex.Gov.)Highschool Chandu Railway	7507620630	Amravati	No
8/4/2020 16:09:30	aryagaming1313@gmail.com	Arya Kishor Jadhav	Student	St. Xavier's Cathedral Highschool Amtavati	9322376850	Amravati	No
8/4/2020 19:13:15	Lalpetha ward mata nagar chok	Pomima yogesh chandekar	Student	Rssm visapu /gondvan university	9168273532	Chandrapu	
8/4/2020 23:05:52	ssdadhe@gmail.com	Dr. Subhash S. Dadhe	Teacher	Dhanwate National College, Nagpur	7709003653	Nagpur	Yes
8/5/2020 0:52:37	pralhadsonune1984@gmail.com	PRALHAD DATTATRAY SONUNE	Other	Chakrapani Panchkarma mahavidyalay	8766586834	Nagpur	Yes
8/5/2020 7:08:28	yashsahni.999@gmail.com	Yash Sahni	Student	Chakrapani mahavidyalay college nagpur	9673907799	Nagpur	Yes ba in yogshastra
8/5/2020 9:45:06	shraddhamadghe@gmail.com	Shraddha Mahadeorao Madghe	Student	Shri shivaji science college Amravati	7798517630	Amravati	No
8/5/2020 12:39:37	Deshmukhsonali1999@gmail.com.	Sonali Diliprao Deshmukh	Student	Mahila clg Khamgaon	9604798347	Buldhna	
8/5/2020 19:30:01	gowardhanwankhede1968@gmail.com	GOWARDHAN YADORAO WANKHEDE	Teacher	R S Mundle Dharampeth Art and Commerce College North Ambazari Road Nagpur	9422821087	Nagpur	No
8/6/2020 8:29:45	dpsukhwinder51@gmail.com	Mr. Sukhwinder	Teacher	Gri Guru Harkrishan Sen.sec Public school Mallianwal (GSP)	9814332051	Gurdaspur	No

8/6/2020 16:19:46	bandudohe91@gmail.com	Mr. Bandu Mahadev Dohe	Other	Rashtriya Sharirik Shikshan Mahavidyalay Visapur Tah. Ballarpur Dist. Chandrapur	7066666105	Chandrapur	Yes
8/6/2020 20:18:45	Preetisinghacet@gmail.com	Preeti Singh	Student	Al-Barkaat institute Of Education	9758410324	Aligarh	Yes
8/7/2020 8:08:54	inspirehockey@gmail.com	Dr.Madhuri Y. Kopulwar	Teacher	Adarsha Science,J.B. Arts &Birla Commerce Mahavidyalaya ,Dhamangaon Rly	9823333699	Amravati	Ready
8/7/2020 10:16:00	menka1208@gmail.com	Menka Kumari	Student	Ranchi University, Ranchi	8797627076	East Singhbhum	
8/7/2020 10:45:16	Schaudhari971@gmail.com	Sonali Tulshiram Chaudhari	Teacher	Narayana vidyalayam amravati	9021536603	Amravati	No
8/7/2020 18:14:24	Shitalborkar0401@gamil.com	Shital borkar	Teacher	RSSM Visapur Chandrapur	9552596479	Chandrapur	No
8/8/2020 12:12:26	mjdeshmukh20@gmail.com	Manjusha J Deshmukg	Teacher	Dr. P. D. K. V. Akola	9405320741	Akola	
8/8/2020 19:27:10	revingole@gmail.com	Dr. Revati Hemantrao Ingole	Student	V.N.M.K.V. ,Parbhani	9404067597	Parbhani	No
8/9/2020 18:15:46	poorvabobadepatil@gmail.com	POORVA ANNASAHEB BOBADE	Student	DNYANOPASAK COLLEGE PARBHANI	9022922818	PARBHANI	No
8/12/2020 10:11:27	ashraafrinsheikh786@gmail.com	Ashra Afrin Sheikh	Teacher	N.P.W college Nagpur Univercity	9373300814	Bhandara	No
8/13/2020 17:01:44	Srramedwar@gmail.com	Meghana dilip ramedwar	Student	Sardar patel mahavidhalya	7666203240	Chandrapur	YeS
8/16/2020 17:15:23	wararkarp07@gmail.com	Payal prakash wararkar	Student	Rashtriya sharirik shikshan mahavidyalay	9767425663	Chandrapur	
8/16/2020 19:45:05	jayshreemohinkar1997@gmail.com	JAYSHREE VINOD MOHINKAR	Student	Gondwana University	8605064851	Chandrapur	Yes
8/17/2020	Prachirathod719@gmail.com	Prachi Anil Rathod	Student	Amravati	9370976086	Yavatmal	Yes

				GWALIOR M.P.			
8/3/2020 10:36:52	mahajanashish327@gmail.com	Ashish Chandrakant Mahajan	Student	P R Pote College Of Engineering & Management Amravati	7775933497	Washim	Yes
8/3/2020 11:35:43	anirudhagoyal.ag@gmail.com	ANIRUDHA GOYAL	Teacher	BUNDELKHAND DEGREE COLLEGE JHANSI	9935119119	Jhansi	Yes
8/3/2020 15:10:50	suryakantthakur256@gmail.com	SURYAKANT ATMARAM THAKUR	Other	Karanala sports	9967461701	Raigad	
8/3/2020 16:37:49	pranav.dandale@podar.org	Pranav Mohanrao Dandale	Teacher	SGBAU	9730035672	Amaravati	No
8/3/2020 17:22:48	bobadeaditee@gmail.com	Aditee Arvind Bobade	Student	Shri. Shivaji science college Amravati	7083446301	Amravati	
8/3/2020 17:25:40	Sari_7519@rediffmail.com	Sarita p.shidhaye	Other	Housewife	9765866085	Nagpur	No
8/3/2020 17:43:09	menka1208@gmail.com	Menka Kumari	Student	Jamshedpur Women's College, Jamshedpur	8797627076	East Singhbhum	
8/3/2020 20:45:25	suryakantthakur256@gmail.com	SURYAKANT ATMARAM THAKUR	Other	MPASC College panvel	9967461701	Raigad	
8/3/2020 20:49:41	rushikeshambhore4211@gmail.com	Rushikesh Ambhore	Student	College Of Agriculture Nagpur	9049323742	Buldhana	no
8/3/2020 21:06:35	ckatre516@gmail.com	Dr.Chhaganlal Babulal Katre	Teacher	Sharadchandra Arts Commerce College, Butibori,R.T.M.Nagpur University Nagpur.	9423677252	Nagpur.	Nil
8/4/2020 0:58:38	vijaydhongade28@gmail.com	vijay ram dhongade	Student	ycmou	7620740868	washim	yes
8/4/2020 7:36:43	pallavisc319@gmail.com	Pallavi Sarang chandure	Student	Shri Shivaji science College Amravati	8080846041	Amravati	
8/4/2020 7:48:41	gagandp.639@gmail.com	Gagandeep	Teacher	RSSM visapur Teh.&dist. Chandrapur.. Gondwana	7837131820	Gurdaspur	No

8/2/2020 18:33:12	Pkingole1@gmail.com	Pradeep Kacharuji Ingole	Other	Milind Mahavidhyalaya Mulawa /Sant gadgebaba Amravati university Amravati	9423134338	Yeotmal	No
8/2/2020 19:25:07	bshrigiriwar@gmail.com	Dr.B.V.SHRIGIRIWAR	Teacher	Annasaheb Gundewar college Nagpur	9822226831	Nagpur	No
8/2/2020 20:41:56	sanjayjagdale093@gmail.com	DR.TEJSIHA LAXMANRAO JAGDALE	Teacher	NABIRA MAHAVIDYALAYA KATOL	9623338896	NAGPUR	YES
8/2/2020 21:24:22	Devapress@gamil.com	Devanand guanji vaidya	Teacher	Amravti	9623046277	Washim	
8/2/2020 21:30:40	vtninave@gmail.com	Vasant Tatobaji Ninave	Teacher	N.P.Shivaji College mowad	7420845967	Nagpur	no
8/2/2020 21:34:09	bshrigiriwar@gmail.com	SAKETA RAMESH BELSARE	Student	Annasaheb Gundewar college Nagpur	8855064076	Nagpur	No
8/2/2020 23:23:35	pravingopalpatil@gmail.com	DR.PRAVIN GOPALRAO PATIL	Teacher	RENUKA COLLEGE BESA NAGPUR	9890903883	NAGPUR	YES
8/2/2020 23:37:33	Sonurathode44@gmail.com	Sonu ramkisan rathod	Student	B. A graduation	8788113211	Washim	Yes
8/2/2020 23:48:43	Sonurathode44@gmail.com	Sonu ramkisan rathod	Student	B. A graduation	8788113211	Washim	Yes
8/3/2020 9:01:26	dr.bsboudha1999@gmail.com	DR BRIJENDRA SINGH BOUDHA	Teacher	Bundelkhand degree college jhansi U.P.	9455082283	Jhansi	Yes
8/3/2020 9:02:28	Sonurathode44@gmail.com	Sonu ramkisan rathod	Student	B. A graduations	8788113211	Washim	
8/3/2020 9:03:33	dr.bsboudha1999@gmail.com	DR BRIJENDRA SINGH BOUDHA	Teacher	Bundelkhand degree college jhansi U.P.	9455082283	Jhansi	
8/3/2020 9:26:51	Pp545935@gmail.com	Pinki	Student	B. U. Jhansi	9473522162	Jhansi	Yes
8/3/2020 10:30:00	Larenshkumar22220@gmail.com	DR. LARENSH KUMAR BOUDHA	Teacher	GOVERNMENT COLLEGE CHINOR DISH	8518045925	GWALIOR	

8/2/2020 14:18:06	Ramani Apartment near Ghate Hospital	Jaishree.Rajratnam .Nallalwar	Teacher	Bit/Gondawana	9561404583	Chandrapur	
8/2/2020 14:34:28	sarweaditya11@gmail.com	Dr. Aditya Kishor Sarwe	Teacher	Bhiwapur Mahavidyalaya Bhiwapur	09960567418	Nagpur	No
8/2/2020 14:52:06	Arshiyakazi240219@gmail.com	Arshiya Abdul Rakib	Student	College	7378402429	Chandrapur	
8/2/2020 15:00:44	gauravchoudhary6563@gmail.com	Gaurav	Student	RSSM VISAPUR	9711406563	Faridabad	No
8/2/2020 15:13:38	rajani.murkute@gmail.com	Rajani Janardan Murkute	Teacher	NSSM Nagpur	9021494687	Nagpur	No
8/2/2020 15:25:26	prafulmeshram03@gmail.com	Praful Arvind Medhram	Student	Gondwana university	9545618049	Chandrapur	Yas
8/2/2020 15:40:37	prafulmesharam03@gmail.com	Praful Arvind Mrsharm	Student	Rastiya shraririk shikdhan mahavidhaly visapur fistick chandrampur	9545618040	Chandrapur	No
8/2/2020 15:42:57	tabhanedilip9890@gmail.com.	Dr. Dilip Narayan Tabhane	Teacher	Shri Chakrapani kala Mahavidyalaya ,Nagpur	9890655736	Nagpur	Yes
8/2/2020 16:24:33	monikakhandare30@gmailcom	Monika Hanuman khandare	Student	R.A collage	8975603246	Washim	No
8/2/2020 16:29:01	bebidigraskar@gmail.com	Bebi sanjay digraskar	Student	R.A. collage	7448145244	Washim	No
8/2/2020 16:43:09	Rakeshbankura099@gmail.com	Rakesh	Student	RSSM Visapur	9999213578	Faridabad	No
8/2/2020 16:43:13	bebidigraskar@gmail.com	Bebi Sanjay Digraskar	Student	R a college	7448145244	Washim	
8/2/2020 17:26:43	mahajany11@gmail.com	Yashwant Gajanan Mahajan	Student	Kce College of Education and Physical Education, Jalgaon	8177898974	Washim	No
8/2/2020 18:20:06	bhushanbeshmukh050@gmail.com	Bhushan Deshmukh	Teacher	R.S.S.M Visapur	8788953836	Chandrapur	Yes

11:59:39							
8/2/2020 12:02:33	harshalkshirsagar00@gmail.com	Mr.HARSHAL SUBHASH KSHIRSAGAR	Teacher	Rssm	7066916570	Chandrapur	Suraynaskar
8/2/2020 12:03:16	nehabaseshankar20@gmail.com	Ku Neha Prakash Baseshankar	Student	Rashtriya Shariik Shikshan Mahavidyalaya Visapur	9011631952	Chandrapur	No
8/2/2020 12:04:19	pkhanke2@gmail.com	Pawan Wamanrao Khanke	Teacher	Post Graduate Department of Physical Education,Nagpur	7841078882	MPED	Yes
8/2/2020 12:14:45	bandudohe91@gmail.com	Mr. Bandu Mahadev Dohe	Other	Rashtriya Shariik shikshan Mahavidyalaya Visapur Tah. Ballarpur Dist. Chandrapur	7066666105	Chandrapur	Yes
8/2/2020 12:18:01	shrutijiwane12@gmail.com	Shruti Sanjay Jiwane	Student	Godwana university	9112323358	Chandrapur	
8/2/2020 12:18:18	shrutijiwane12@gmail.com	Shruti Sanjay Jiwane	Student	Godwana university	9112323358	Chandrapur	No
8/2/2020 12:19:34	shrutijiwane12@gmail.com	Shruti Sanjay Jiwane	Student	Godwana university	9112323358	Chandrapur	No
8/2/2020 12:22:36	Inderjeetnishad1997@gmail.com	Indrajit vishwanath nishad	Student	Rashtriy sariik sikshan mahavidalaya visapur	7028700536	Chandrapur	Fitness
8/2/2020 12:22:36	Inderjeetnishad1997@gmail.com	Indrajit vishwanath nishad	Student	Rashtriy sariik sikshan mahavidalaya visapur	7028700536	Chandrapur	Fitness
8/2/2020 12:25:26	Tinawararkar@gmail.com	Tina wararkar	Student	Sharirik shikshan mahavidhylay visapur	7666710443	Chandrapur	
8/2/2020 12:43:41	amolmohurle@gmail.com	Amol someshwar mohurle	Student	Godawana University	9765972574	Chandrapur	Sirshasn
8/2/2020 14:08:01	kuldeep.spm83@gmail.com	Kuldeep Rajkishor Gond	Teacher	Sardar Patel Mahavidyalaya, Chandrapur	9518769989	Chandrapur	No

				CHANDRAPUR			
8/2/2020 11:34:24	Pranay955@gmail.com	Pranay baseshankar	Student	Gondwana	8668291752	Chandrapur	Wathsaap
8/2/2020 11:34:33	Vikramdakhole@gmail.com	Sangram anilrao dakhole	Student	https://www.targetadmission.com › ... Web results Rashtriya Sharirik Shikshan Mahavidyalay, Visapur, Tal. Ballarpur, Dist .Candrpur	7741940840	Wardha	Yes
8/2/2020 11:35:41	Varshaghate98@gmail.com	VARSHA VINOD GHATE	Other	RSSM VISAPUR	7066703736	CHANDRAPUR	No
8/2/2020 11:37:08	akshaychaudhari541@gmail.com	Akshay p Chaudhari	Student	Rashtriya Sharirik shikshan mahavidyalaya	7249058850	Chandrapur	Body relax
8/2/2020 11:37:12	Mayurbonampalliwar@gmail.com	Mayur Vilas Bonampalliwar	Student	Rashtriya Sharirik Shikshan Mahavidyalaya Visapur	8421726919	Chandrapur	No
8/2/2020 11:42:56	ruchitaambekar03@gmail.com	Ruchita S. Ambekar	Student	Rashtriya sharirik shikshan mahavidyalaya visapur/ Gondwana University	8698883318	Chandrapur	Yoga
8/2/2020 11:50:22	Shrutighate1605@gmail.com	SHRUTI VINOD GHATE	Student	FES GIRL'S JUNIOR COLLEGE	7066703736	CHANDRAPUR	No
8/2/2020 11:52:55	nehabaseshankar20@gmail.com	Neha prakash baseshankar	Student	RSSM vidapur Gondwana University	9011631952	Chandrapur	
8/2/2020 11:54:43	tinaverma20@rediffmail.com	Tina Verma	Student	Shrikrishna sharirik shikshan mahavidhyalay Wardha Nagpur University	9503729705	Nagpur	No
8/2/2020 11:59:06	atatkantiwar2001@gmail.com	Ashwini moreshwar Tatkantiwar	Student	Rssm visapur, Gondwana university	7768903214	Chandrapur	No
8/2/2020	p1sonkusle@gmail.com	Prajakta R. Sonkusle	Teacher	Jspm public school , pune	7447880075	Pune	No

8/2/2020 10:54:00	ashoksonawane6164gmail.com	अशोक चैत्राम सोनवणे	Teacher	सायजाबाई आदीवासी माध्यमिक विध्यालय पिंपळगाव (साक्री)जि धुळे	7721811597	धुळे	नो सर
8/2/2020 11:03:50	neeraj.joshi8500@gmail.com	Neeraj Hiralal Joshi	Teacher	Bhavan's Vidya Mandir	8668552321	Nagpur	Yes
8/2/2020 11:23:37	payalsemil12345@gmail.com	Payal munsilal semil	Student	Gondwana University	9834763093	Chandrapur	No
8/2/2020 11:24:06	Tatkantiwarpratiksha@gmail.com	Pratiksha raju tatkantiwar	Student	RSSM visapur	9503668663	Chandrapur	
8/2/2020 11:25:33	ashoksonawane6164@gmail.com	अशोक चैत्राम सोनवणे	Teacher	सायजाबाई आदीवासी माध्यमिक विद्यालय पिंपळगांव ता साक्री जि धुळे	7721811597	धुळे	नो
8/2/2020 11:26:17	Yogitabhagat9595@gmail.com	Shital Sewakram borkar	Student	Rashtriya sharirik shikshan mahavidyalay a visapur	9552596479	Chandrapur	
8/2/2020 11:27:16	Nehabaseshankar20@gmail.com	Neha prakash baseshankar	Student	Rashtriya sharirik Shikshan Mahavidyalaya visapur University	9011631952	Chandrapur	Yes
8/2/2020 11:27:24	gauravchoudhary6563@gmail.com	Gaurav	Student	RSSM VISAPUR	9711406563	Faridabad	No
8/2/2020 11:28:45	iikhalakpathan26@geml.com	Ikhalakh Rasul Pathan	Student	Rashtriy Sharark Shiskshan mahavidyalay visapur	9834307243	Chandrapur	Yes
8/2/2020 11:28:51	yogitabhagat9595@gmail.com	Yogita sewakram borkar	Student	Rashtriya sharirik shikshan mahavidyalaya visapur	7385934570	Chandrapur	Yes
8/2/2020 11:30:18	mayurbonampalliwar@gmail.com	Mayur Vilas Bonampalliwar	Student	Rashtriya Sharirik Shikshan Mahavidyalaya Visapur	8421726919	Chandrapur	No
8/2/2020 11:33:00	Vilasparate.ps@rediffmail.com	Vilas keshorao parate	Student	RSSM COLLEGE, VISAPUR DIST	8956143340	Bhandara	Yes

8/2/2020 6:33:08	sarweaditya11@gmail.com	Dr. Aditya Kishor Sarwe	Teacher	Bhiwapur Mahavidyalaya Bhiwapur	09960567418	Nagpur	No
8/2/2020 7:23:49	tirthgadhawe@gmail.com	TIRTHNATH SHIORAM GADHAWE	Student	RSSM COLLEGE VISAPUR GONDWANA UNIVERSITY	9130114817	Bhandara	
8/2/2020 7:49:39	mayurniwalkar26820@gmail.com	MAROTI DAMODHAR NIWALKAR	Student	RTM NAGPUR	7387117121	Chandrapur	No
8/2/2020 7:51:32	swapnildhodare100@gmail.com	SWAPNIL BANDU DHODARE	Student	RSSM VISAPUR	9823159127	Chandrapur	Yes
8/2/2020 8:22:56	Shibumeshram@gmail.com	Laxmikant M. Meshram	Teacher	Pushpak Mahavidyalaya	9960627086	Nagpur	No
8/2/2020 8:53:04	Yashmeheshre2003@gmail.com	Yash prabhakar meheshre	Student	Bds high school	8308154025	Amravati	Yes
8/2/2020 8:57:45	dineshrkhadse@gmaile.com	Dinesh Ramakrishna khadse	Student	Amravati	7798511678	Amravati	Degree
8/2/2020 9:08:16	agashesanjay.24@gmail.com	Dr.Sanjay R Agashe	Teacher	S.N.MOR COLLEGE TUMSAR DISST.BHANDARA MAHARASTRA	9422133679	BHANDARA	
8/2/2020 9:15:45	Pammimishra398@gmail.com	Pammi sudhar mishra	Student	Sharirik shikshak mhavidyalay visapur, gonadwana University gadchiroli	7517891973	Chandrapur	No
8/2/2020 9:50:04	schoolofselfdefence@gmail.com	Rajesh Gupta	Teacher	Ashoka Group of School and Junior College	9623290538	Nashik	I use to do yoga in my Martial art pra
8/2/2020 10:12:23	diliptabhane1@gmail.com	Dr Dilip Narayan Tabhane	Teacher	Shri Chakrapani Kala Mahavidyalaya Nagpur	9890655736	Nagpur	
8/2/2020 10:45:44	ashoksonawane6164gamil.com	श्री अशोक चैत्राम सोनवणे	Teacher	सायजाबाई आदिवासी माध्यमिक विध्यालाय पिंपळगाव (साक्री) जि धुळे	7721811597	धुळे	हो मर

		CHAUDHARI					
8/1/2020 23:42:27	shekharbk8040@gmail.com	Chandrashekhar Popat Chaudhari	Teacher	Institute of Science Nagpur	8552858111	Nagpur	No
8/1/2020 23:50:43	tawlareamol1@gmail.com	Aaradhya Amol Tawlare	Student	Shivaji ideal english school	9420074207	Amravati	No
8/1/2020 23:51:05	tawlareamol1@gmail.com	Aaradhya Amol Tawlare	Student	Shivaji ideal english school	9420074207	Amravati	No
8/1/2020 23:51:10	tawlareamol1@gmail.com	Aaradhya Amol Tawlare	Student	Shivaji ideal english school	9420074207	Amravati	No
8/1/2020 23:51:37	tawlareamol1@gmail.com	Aaradhya Amol Tawlare	Student	Shivaji ideal english school	9420074207	Amravati	No
8/1/2020 23:55:27	tawlareamol1@gmail.com	Aaradhya Amol Tawlare	Student	Shivaji ideal english school	9420074207	Amravati	No
8/2/2020 0:28:06	Rajaram college vidyanagar kolhapur	Dr Anita Motiramji Malge	Teacher	Shivaji university	9594509548	Kolhapur	No
8/2/2020 0:31:31	anitanant_5@rediffmail.com	Anita Motiramji Malge	Teacher	Shivaji University	9594509548	Kolhapur	No
8/2/2020 1:21:28	bharti3730@gmail.com	Dr.Bharti Kale	Teacher	Pgtd of physical Education,RTMNU	7276511784	Nagpur	No
8/2/2020 4:44:37	hanumanbajiyamkn@gmail.com	Hanuman Bajiya	Student	Rashtriya Sahririk Shikshan Mahavidhalay Visapur, Th -Ballarshah Dist-Chandrapur(Maharashtra) -	7891556890	Nagaur	No
8/2/2020 4:48:32	hanumanbajiyamkn@gmail.com	Hanuman Bajiya	Student	Rashtriya Sharirik Shikshan Mahavidhalay Visapur	7891556890	Chandrpur	No
8/2/2020 6:23:48	rinkuraj1011@gmail.com	Rinku Raj	Teacher	Rasmussen visapur	7833068658	Sirmour	Yes
8/2/2020 6:28:10	rinkuraj1011@gmail.com	Rinku Raj	Teacher	Rasmussen visapur	7833068658	Sirmour	Yes

8/1/2020 22:38:35	meenabalpande1@gmail.com	Dr.Meena Narayanrao Balpande	Teacher	Dayanand Arya Kanya Mahavidyalaya Jaripatka Nagpur/RTMNU	9420253994	Nagpur	
8/1/2020 22:42:29	sanjay.kale@yahoo.co.in	Sanjay Keshavrao Kale	Teacher	Shri Shivaji college of Art's, Commerce & Science, Akola	9370013031	Akola	No
8/1/2020 22:42:54	Sonamkushwaha0070@gmail.com	Sonam shriram kushwaha	Teacher, Student	Gondwana University	8788274531	Chandrapur	No
8/1/2020 22:44:00	bandudohe91@gmail.com	Mr. Bandu Mahadev Dohe	Other	Rashtriya Shariik shikshan Mahavidyalaya Visapur Tah. Ballarpur Dist. Chandrapur	7066666105	Chandrapur	Yes
8/1/2020 22:47:00	arunabharay19@gmail.com	Dr. Arunabha Ray	Teacher	Shri Govindprabhu Arts and commerce College, Talodhi	8329494548	Chandrapur	5 days workshop
8/1/2020 22:54:11	jyotikaleakl1617@gmail.com	Jyoti Sanjay Kale	Other	Shri Shivaji College Akola	9511623091	Akola	No
8/1/2020 23:21:38	akkigoel4@gmail.com	Akhil goel	Teacher	Gondwana University	9999408302	Delhi	Yes
8/1/2020 23:25:13	dipalikamble996@gmail.com	Dipali Devanand kamble	Student	College	8856080247	Chandrapur	Yes
8/1/2020 23:26:39	sanket.dhamande777@gmail.com	SANKET ARUN DHAMANDE	Teacher	SSGM	9970349970	Buldhana	yes
8/1/2020 23:27:40	Shahidziya143@gmail.com	Shahid Sheikh	Student	Gondwana University	8830168319	CHANDRAPUR	No
8/1/2020 23:30:13	mambuactiva4544@gmail.com	Dr.Madhavi Mardikar	Teacher	Institute Of Science Nagpur	7875155888	Nagpur	
8/1/2020 23:36:12	yogabhushan92@gmail.com	Bhushan Kisanrao Meshram	Teacher	Indo Public School Amravati Maharashtra	9545078486	Amravati	No
8/1/2020 23:40:07	tulsioptimae2@gmail.com	TULSI CHANDRASHEKHAR	Student	LAD College, Nagpur	8208706012	Nagpur	No

970

8/1/2020 16:10:54	shubhamchimote5@gmail.com	Shubham uddhavrao chimote	Student	Shri.shivaji science college,amt	9764557121	Amravati	No
8/1/2020 16:11:30	saumitramokasdar@gmail.com	Snadhya Ravindra Mokasdar	Student	Hvpm	9372791931	Amravati	Yes
8/1/2020 16:34:40	alsettejas@gmail.com	Tejas R Alset	Student	DCPE HVPM Amravati	8983155318	AMRAVATI	
8/1/2020 16:41:17	sonalrangari3@gmail.com	Sonal Kantilal Rangari	Other	Arts College Badnera	9579571644	Amravati	Yes
8/1/2020 17:44:34	sandeshkumargiri@gmail.com	Sandeshkumar Suresh Giri	Teacher	New Highschool Main,Amravati	9822923262	Amravati	
8/1/2020 19:34:18	mahendradeshmukh249@gmail.com	Mahendra Wamanrao Deshmukh.	Teacher	Late. Panchafulabai Pawade Kala,Vanija Mahila Mahavidhalay. Warud.	9960056571	Dist. Amravati.	No
8/1/2020 20:25:17	shendeniu1012@gmail.com	Prof. Nitu Jivanrao Shende	Teacher	Sm. N. W. Kala Mah. Yavatmal	9673432686	Yavatmal	
8/1/2020 22:24:06	vickyspetkar16@gmail.com	Prof. Vicky Tulshiram Petkar	Teacher	Rashtriya Shariik Shikshan Mahavidyalaya Visapur Tah Ballarpur Dist Chandrapur	8007161616	Chandrapur	Yes
8/1/2020 22:26:51	Vbittu564@gmail.com	Bittu	Teacher	Rashtriya sharirk shikshan mahavidyalaya visapur	9643341634	Faridabad	Yes
8/1/2020 22:29:15	shrutighate1605@gmail.com	Shruti Vinod Ghate	Student	FES Girls Jr College Chandrapur	8806251616	Chandrapur	No
8/1/2020 22:34:41	Sonamkushwaha0070@gmail.com	Sonam shriram kushwaha	Teacher	Gondwana University	8788274531	Chandrapur	No
8/1/2020 22:36:18	babu.roul1994@gmail.com	Krushna Chandra Roul	Student	RASHTRIYA SHARIRIK SHIKSHAN MAHAVIDYALAY, VISAPUR	7728841289	BALASORE	

8/1/2020 9:54:53	Sw230916@giml.com	Sandhya Mahesh Wankhade	Student	Shivaji arts c Amravati	8657207210	Amravati	
8/1/2020 10:06:06	Kasarp608@gmail.com	Priyanka Ashokrao kasar	Student	HVPM	9673212935	Amravati	
8/1/2020 10:12:20	manojbarai@kem.edu	MANOJ KESHAORAO BARAI	Other	Maharashtra University of Health Sciences, Nashik	7769006060	Amravati	No
8/1/2020 11:14:31	Sujatashende9@gmail.com@gmail.com	Dr Sujata Haribhau Shende	Teacher	Shivramji Moghe Mahavidhyalaya pandharkawada Dist Yavatmal	9960938326	Yavatmal	
8/1/2020 13:24:43	roshanibhadange4229@gmail.com	Ku. Roshani Sanjayrao Bhadange	Student	Shri shivaji Science College Amravati	9130517218	Amravati	No
8/1/2020 14:48:12	lavinaakolkar26@gmail.com	Lavina sunil akolkar	Other	VMV college	9923580078	Amravati	
8/1/2020 14:56:53	artig2705@gmail.com	Arti Gaikwad	Other	Garware college,Pune university	7304345449	Pune	VIC yoga course
8/1/2020 15:24:31	Teli fail,wani	mansi santosh randale	Student	S.p.m high school,wani, yavatamal	7498700295	yavatamal	
8/1/2020 15:27:19	Vandanarandale@gmail.com	mansi santosh randale	Student	s.p.m high school , wani	7498700295	yavatamal	Nice i love yoga
8/1/2020 15:36:56	rameshwarprakashraonage@gmail.com	Mr. Rameshwar Prakashrao Nage	Teacher	St. Xavier's Cathedral School Amravati	9764711921	Amravati	Yes
8/1/2020 15:39:38	rameshwarprakashraonage@gmail.com	Mr. Rameshwar Prakashrao Nage	Teacher	St. Xavier's Cathedral School Amravati	9764711921	Amravati	Yes
8/1/2020 15:47:16	Abhijitsbhamare84@gmail.com	Abhijit Sanjay Bhamare	Teacher	North Maharashtra university	9156502428	Dhule	I want to know more about Yogabhy
8/1/2020 15:51:35	anuraginibokey@gmail.com	Dr.Anuragini Rameshrao Bokey	Teacher	Matoshri vimlabai Deshmukh Mahavidyalaya Amravati	9403398515	Amravati	No
8/1/2020 16:02:20	nileshful123@gmail.com	NILESH FULAMBARKAR	Teacher	S. G. B. A. U.	9960918435	Amravati	No

8/1/2020 8:30:49	dshirke37@gmail.com	DINESH SHIRKE	Teacher	STES	9765297846	Pune	No
8/1/2020 8:34:16	ajayshende1345@gmail.com	Ajay Rameshrao Shende	Student	Sant gadge baba university Amravati	8975166460	Amravti	
8/1/2020 8:50:11	Shatkarmayoga@gmail.com	Prashant santoshrao Rokade	Teacher, Other	Amravati	9767052653	Yawatmal-wardha	
8/1/2020 8:52:20	Shatkarmayoga@gmail.com	Prashant santoshrao Rokade	Teacher, Other	Amravati	9767052653	Yawatmal & wardha	Yes
8/1/2020 9:01:58	akankshaspatil1995@gmail.com	Akanksha Suryakant Patil	Student	Sant Gadge Baba Amravati University, Amravati	9765310270	Amravati	
8/1/2020 9:13:14	ashishnimbekar123@gmail.com	Ashish Sureshrao Nimbekar	Student	HVPM	9503924782	Amravati	Ho
8/1/2020 9:14:31	dipaklawhale@gmail.com	Dipak Mahaderao Lawhale	Teacher	St. Thomas High School Amravati.	8407927472	Amravati	Yes
8/1/2020 9:16:38	punamgosavi23@gmail.com	Punam Rajendra Gosavi	Student	K.s.k.w. college cidco Nashik- 8 (Pune University)	9370359208	Nashik	Yes
8/1/2020 9:20:17	ashishnimbekar123@gmail.com	आशिष सुरेशराव निंबेकर	Student	संत गाडगेबाबा विदयापीठ अमरावती	9503924782	अमरावती	हो
8/1/2020 9:20:46	nitinkbaraskar12@gmil.co	Piyush N. Baraskar	Student	Shri Shivaji Ideal School	9423024363	Amaravati	
8/1/2020 9:23:51	nitinkbaraskar12@gmil.co	Piyush N. Baraskar	Student	Shri Shivaji Ideal School Amt.	9423024363	Amaravati	Yes
8/1/2020 9:33:24	jadhaoyogesh0@gmail.com	Yogesh Prakash Jadhao	Student	Degree College of Physical Education, Amaravati	9767000058	Amravati	Yes...I completed my course in yoga HVPM
8/1/2020 9:52:19	Sw230916gmil@.com	Sandhya Mahesh Wankhade	Student	Shivaji arts c Amravati	8657207210	Amravati	
8/1/2020 9:54:42	Sw230916@giml.com	Sandhya Mahesh Wankhade	Student	Shivaji arts c Amravati	8657207210	Amravati	

				Dist ...Amaravti			
7/31/2020 23:13:45	chetana.sharma9692@gmail.com	Chetana	Teacher	Pune University	7350179009	Nashik	
7/31/2020 23:21:14	takvaishnavi111@gmail.com	Sanjaya Anil Tak	Teacher	Mahatma Fule Highschool Hiwarkhed ... Tq ...Morshi .Dist ...Amravati	8530625188	Amaravti	No
7/31/2020 23:23:15	rahulchaudhari02017@gmail.com	Rahul Anil Chaudhari	Student	Pune University	9145301160	Nashik	Yes
7/31/2020 23:36:27	r.r.gawhale@gmail.com	Mr Rajesh Rameshrao Gawhale	Student	B.S.Patil College Padatwada , Amravati	9657585101	Amravati	
8/1/2020 0:06:00	sharadgadhikar@gmail.com	Sharad Vasantrao Gadhikar	Teacher	Amravati	9921130570	Amravati	no
8/1/2020 2:59:19	vital.rasool@gmail.com	SHAIK RASOOL BEE	Other	University	9494837474	Prakasam	Yes
8/1/2020 6:13:41	ahersunil74@gmail.com	Sunil Daulatrao Aher	Teacher	Govt Ashram school Waghamba Tal Satana	9423012824	Nasik	No
8/1/2020 6:22:31	pshelotkar@gmail.com	Mr. Pankaj Ramesh Shelotkar	Teacher	School of scholars, Yavatmal	9822316613	Yavatmal	No
8/1/2020 7:20:37	ikhar.swapnil1@gmail.com	Swapnil Diliprao Ikhar	Student	Shri Shivaji physical education Amaravti	7378865049	Amaravti	Yes
8/1/2020 7:23:54	pratikpathare1994@gmail.com	Pratik Sunilrao Pathare	Teacher	Degree College of Physical Education, Amravati	8275417786	Amravati	
8/1/2020 7:29:29	@Sandhyawankhade8657@gmail.com	Sandhya Mahesh Wankhade	Student	Shivaji arts c Amravati ycom.	8657207210	Amravati	
8/1/2020 7:29:52	rahool.ganjare@gmail.com	Rahul wasudevrao Ganjare	Teacher, Student	Amravati	9665618735	Amravati	Yes m.a in yoga naturopathy ,b.a yo
8/1/2020 7:30:57	Shilpadewhare@gmail.com	Shilpa krushnarao Dewhare	Teacher	Sanskar Intentional school partwada	9527798839	Amaravati	

22:16:39		Dhole					
7/31/2020 22:24:30	Chandraped@yahoo.co.in	Dr.Ramachandra.K	Teacher	Govt first grade college vittal	7349240907	Dakshina Kannada	
7/31/2020 22:29:41	mjyothi32@gmail.com	M JYOTHI	Teacher	GGHS KANAKAPURA	7892314386	RAMANAGAR	Mediation
7/31/2020 22:41:49	Shrikantpatil4396@gmail.com	Shrikant ganpatrao patil	Teacher	L R B P V vashi	9421132701	Sangali	No
7/31/2020 22:44:15	Sairajpatil807@gmail.com	Sairaj shrikant patil	Student	RBP militry school islampur	9421132701	Sangali	No
7/31/2020 22:46:08	Rupali A Ingole 39 shakuntal coloney vmv road amravati	Dr.Rupali Abhijit Ingole	Teacher	Shri Shivaji Science College amravati	9370712134	Amravati	Yes
7/31/2020 22:48:10	psushama777@gmail.com	Prof Sushama Vilasrao jadhav Patil	Teacher	Warna Mhavidhyalaya Aitwde kh	7768967336	Sangli	No
7/31/2020 22:53:06	Sameersingh.chavhan@podar.org	Sameersingh Pradeepsingh Chavhan	Teacher	SGBAU	7768800777	Amravati	No
7/31/2020 22:54:40	balramtripathivhp@gmail.com	Balram Tripathi	Teacher	Ramakrishna vivekananda vidhyapeet	8718885593	Anuppur	No
7/31/2020 22:59:09	rutujashende2@gmail.com	Rutuja Anil shende	Student	Shivaji science college amravati	9067485119	Amravati	I do regularly exercise
7/31/2020 22:59:15	rutujashende2@gmail.com	Rutuja Anil shende	Student	Shivaji science college amravati	9067485119	Amravati	I do regularly exercise
7/31/2020 23:02:48	asmitadolas@mgsnagpur.org	Asmita Suresh Dolas	Teacher	Sgb amravati	7798800510	Amravati	Yes
7/31/2020 23:09:25	arunbau@gmail.com	Arun Suresh Mishra	Teacher, Other	Amravati University	7709833299	Amravati	Yes
7/31/2020 23:11:02	Sksalim92@gmail.com	Shekh salim shekh husain	Student	Shri shivaji college of physical education amravati	9657277457	Amravati	No
7/31/2020 23:12:44	takvaishnavi111@gmail.com	Gaurang Anil Tak	Student	Bharatiy Mahavidyalaya Morshi Tq ...Morshi	9860828663	Amaravati	No

7/31/2020 7:18:36	khantedk979@gmail.com	Dhanshri Dhanraj Khante	Student	Shri shivaji science college Amravati	9422949921	Amravati	No
7/31/2020 9:28:02	ramtekepw@gmail.com	Dr. Purushottam warlu ramteke	Teacher	Chishtiya college of art science khuldabad dist aurangabad	9623561986	Aurangabad	
7/31/2020 10:29:52	Sunildhakulkar2020@gmail.com	Sunil Gajananrao Dhakulkar	Teacher	Shree.V.N.Arts &A.N.Com.College mangrulpir Dist.Washim	8408836981	Washim	No
7/31/2020 10:39:59	drchanchalkumari@gmail.com	Dr Chanchal Kumari	Student	Kolhan University, Chaibasa, Jharkhand	7979725293	East Singhbhum	Yes
7/31/2020 10:51:14	nm_9822455273@yahoo.com	Dr. Narayan Madhav Jadhav	Teacher	Arts Commerce And Since College Lasalgoan, Tal.Niphad , Dist -Nashik , Maharashtra	9689908301	Nashik	Yes
7/31/2020 11:08:37	nehapatinge9@gmail.com	Neha Sanjay Patinge	Student	Shri Shivaji Science College, Amravati	9921895442	Amravati	
7/31/2020 11:10:29	nehapatinge9@gmail.com	NEHA SANJAY PATINGE	Student	Shri Shivaji Science College, Amravati	9921895442	Amravati	
7/31/2020 11:10:40	nehapatinge9@gmail.com	NEHA SANJAY PATINGE	Student	Shri Shivaji Science College, Amravati	9921895442	Amravati	
7/31/2020 13:29:40	pratikshagade2020@gmail.com	Pratiksha Kishor Gade	Student	Shri Shivaji Science College, Amravati	9325894661	Amravati	No
7/31/2020 14:01:25	vedangishirbhate292001@gmail.com	Vedangi Deepakrao Shirbhate	Student	Shri Shivaji Science College Amravati	9049207062	Amravati	No
7/31/2020 15:59:13	shreyapande02@gmail.com	Shreya Nitin Pande	Student	Shri Shivaji science College, Amravati	7558665309	Amravati	
7/31/2020 16:44:29	drutuja57@gmail.com	Rutuja Santoshrao Deshmukh	Student	Shri Shivaji Science College, Amravati	7756029665	Amravati	No
7/31/2020 18:28:52	Sureshingle666@gmail.com	Suresh Kisanrao Ingle	Teacher	Nehru Mahavidyalaya, Nerparsopant.	8087602288	Yavatmal	
7/31/2020	dholeg605@gmail.com	Ganesh Madhukarrao	Other	No	8275107590	Yavatmal	

7/30/2020 17:10:52	arvind.amle1973@gmail.com	Gautami Arvind Amle	Student	Mahatma Fule High school Hiwarkhed	9923821939	Amravati	No
7/30/2020 17:33:55	amishadahake.29@gmail.com	Amisha Dahake	Student	Shri shivaji science college, Amravati	9009216568	Amravati	No
7/30/2020 17:42:36	Shatakshimaske@gmail.com	Shatakshi Dnyaneshwar Maske	Student	Shri Shivaji Science College Amravati	9146257649	Amravati	No I never did this before
7/30/2020 18:17:39	ngayakwad789@gmail.com	Kavita R Gadbail	Student	Nagpur	7840946501	Amravati	
7/30/2020 18:22:48	dnyaneshsir@gmail.com	MR.GAIKWAD DNYANESHWAR RAMDAS	Teacher	Zilla Parishad Pri. School Charner ta.Sillod	9922584240	Aurangabad	Yes
7/30/2020 18:22:54	fakirarajguru36@gmail.com	FAKIRA BHAGWAN RAJGURU	Teacher	Z.P.U.P.S.MOHANA BK Ya.Mehkar Dist.Buldhana	9130131628	Buldhana	Yes
7/30/2020 19:44:35	kmankar811@gmail.com	KANCHAN BHOJRAJ MANKAR	Student	Shri Shivaji science College Amravati	9370395970	Amravati	No
7/30/2020 20:09:35	kalpanagonde29602@gmail.com	Kalpana Wamanrao Gonde	Student	Aney mahila mahavidyalay yavatmal	8421497977	Yavatmal	
7/30/2020 20:58:31	v.khodaskar@gmail.com	Vasistha A Khodaskar	Teacher	NMV	7021776640	Amravati	
7/30/2020 21:18:05	vishakhapm17@gmail.com	Dr. Vishakha S. Saoji	Teacher	Govt. Vidarbha Institute of Science & Humanities, Amravati.	9860049676	Amravati	Yes
7/30/2020 21:46:48	shubhamjadhav6575@gmail.com	Shubham Tarachand Jadhav	Student	Shri Shivaji science college amravati	9822096799	Yavatmal	No
7/30/2020 21:57:19	thakre123dipti@gmail.com	Dipti Anil Thakre	Student	Shri.Shivaji Science College,Amravati	7666268463	Amravati	No
7/30/2020 22:31:40	harshalbhunte99@gmail.com	Jaya Purushottam Bhunte	Student	Mahatma fule high school hiwarkhed	7028734275	Amravati	No
7/30/2020 23:29:33	hemantkale20@yahoo.com	Hemant Kautik Kale	Teacher	Government Ashram School Dalwat Kalwan Nashik	9850964039	Nashik	No

10:53:19				Education			
7/30/2020 10:56:35	nehatawade456@gmail.com	Neha Mahadeorao Tawade	Student	Nehru Mahavidyalaya,Ner.	8605248563	Yavatmal	No
7/30/2020 11:01:09	Riyakhadse26051@gmail.com	Riya barku khadse	Student	Neharu mahavidaylaya ner (p)	7741963638	Yavatamal	Riya barku khadse
7/30/2020 13:44:10	agatyac@gmail.com	Pankaj Harishchandra Chavhan	Teacher	Nehru Mahavidyalaya Nerparsopant	7385537165	Yavtmal	
7/30/2020 13:47:41	agatyac@gmail.com	Pankaj Harishchandra Chavhan	Teacher	Amravati	7385537165	Yavatmal	No
7/30/2020 14:02:30	snlohakpure@gmail.com	Dr.Sangita Nilkanth Lohakpure	Student	Shri Dhabeker kala Mahavidhyalay Khadki Akola	9405169511	Akola	
7/30/2020 14:06:49	arvind.amle1973@gmail.com	Gautami Arvind Amle	Student	Mahatma Fule High school Hiwarkhed	9923821939	Amravati	
7/30/2020 14:07:03	arvind.amle1973@gmail.com	Gautami Arvind Amle	Student	Mahatma Fule High school Hiwarkhed	9923821939	Amravati	
7/30/2020 14:29:08	kalpanagonde29602@gmail.com	Kalpana Wamanrao Gonde	Student	Aney mahila mahavidyalay yavatmal	8421497977	Yavatmal	
7/30/2020 14:30:00	Sakshisdeshmukh1997@gmail.com	Sakshi deshmukh	Student	Shri. Shivaji science college amravati	9764282161	Amravati	No
7/30/2020 14:39:49	mhalamanali63@gmail.com	Manali Anil Mhala	Student	Shri shivaji science collage	7057077298	Amravati	No
7/30/2020 15:54:09	Vishakha.a.joshi@gmail.com	Vishakha Aniruddha Joshi	Teacher	Amravati	9860877102	Wardha	No
7/30/2020 16:05:31	hinak9223@gmail.com	Hina Khan	Student	Al- Barkaat Institute of Education	9149209939	Aligarh	Yes
7/30/2020 16:07:29	hinak9223@gmail.com	Hina Khan	Student	Al-barkaat Institute of Education	9149209939	Aligarh	Yes
7/30/2020 17:00:58	udaykarsakshi@gmail.com	Sakshi gajanan udaykar	Student	Shri shivaji science	8080557664	Amravati	Yes

6:40:50				Education			
7/30/2020 6:44:34	Subodh@.com	Subodh fule	Teacher	mahatma fule highschool	7387231630	amravati	
7/30/2020 7:47:35	At post Hiwarkhed	Shivam Ashokrao Rithe	Student	Mahatma fule high school	8600464133	Amravati	
7/30/2020 8:09:59	shailabayaskar05@gmail.com	Dr. Shailaja Vishwasrao Choudhari	Teacher	Wahed Khan college of Education Amaravati	9763968520	Amaravati	No
7/30/2020 8:10:59	Near the zp school	Pidhila sureshrao kapile	Student	Mahatma fule high school,hiwarkhed	9730282937	Amravarti	
7/30/2020 8:13:44	priyankawankhade53@gmail.com	Priyanka Ishwrdas Wankhade	Student	Shri shivaji science college	7387965860	Amaravati	No
7/30/2020 8:29:56	Near zp school, hiwarkhed	Ishika sureshrao kapile	Student	Mahatma fule high school	9730282937	Amaravati	
7/30/2020 8:40:30	Shekharvirulkar8@gmail.com	Shekhar Marotrao Virulkar	Other	Shri Shivaji Science College Amravti	8806151802	Amravti	Yes
7/30/2020 8:56:01	akankshadadgal2019@gmail.com	Akanksha Marotirao Dadgal	Student	Shri Shivaji science College	8888935334	Amaravati	No
7/30/2020 10:13:39	burghate.shital@gmail.com	Shital porey	Teacher	Sgbau Amravati	9158901946	Amravati	No
7/30/2020 10:17:46	burghate.shital@gmail.com	Shital porey	Teacher	Sgbau	9158901946	Amravati	No
7/30/2020 10:18:05	burghate.shital@gmail.com	Shital porey	Teacher	Sgbau	9158901946	Amravati	No
7/30/2020 10:18:21	burghate.shital@gmail.com	Shital porey	Teacher	Sgbau	9158901946	Amravati	No
7/30/2020 10:18:25	burghate.shital@gmail.com	Shital porey	Teacher	Sgbau	9158901946	Amravati	No
7/30/2020 10:18:28	burghate.shital@gmail.com	Shital porey	Teacher	Sgbau	9158901946	Amravati	No
7/30/2020	fairykhan281@gmail.com	FAIRY KHAN	Student	Al Barkaat Institute of	8279965377	Aligarh	No

7/29/2020 18:33:01	tejasbakale059@gmail.com	Tejas Chandrashekhar Bakale	Btech Final year	Vishwakarma Institute of technology ,Pune	9834884386	MAHARASHTRA	No
7/29/2020 18:57:40	suyogbakale@gmail.com	Suyog surendra bakale	Bsc final	Sant gadge baba university ,amt	7218119346	Maharashtra , amravti	Yes
7/29/2020 19:01:04	mayur.dsarode@gmail.com	Mayur Diliprao Sarode	BE 4th year	p.r. pote collage of engineering and management	7066224326	Amravati,Maharashtra	No
7/29/2020 19:23:58	talhanabeel1109@gmail.com	Talha Nabeel Baksh	Be final year	Anjuman college of engineering and technology	7030104041	Nagpur Maharashtra	No
7/29/2020 19:33:47	sonarchaital@gmail.com	Chaitali Deoraoji Sonar	M.com	Dr.Babasaheb Ambedkar college Amravti	9890608225	Dist. Amaravti	No
7/29/2020 19:34:39	harshadakadu1999@gmail.com	Harshada Digambarrao Kadu	B.Sc III	Shri Shivaji science college , Amravati	7028626270	Amravati, Maharashtra	No
7/29/2020 19:42:10	Darshuband05@gmail.com	Darshana Manish Band	B. Sc II (PCM)	Shri shivaji science college, Amravati	8208444590	Amravati, Maharashtra	No
7/29/2020 19:43:05	kumarimonisha72@gmail.com	Monisha kumari	M.Ed	Central university of jammu	7006322738	Samba and Jammu and Kashmir	No
7/29/2020 20:09:08	Akraut308@gmail.com	Akshay Rajendra Raut.	Graduated	Shri. Shivaji clg of phy edu. Amt.	7030719625	Maharashtra	Yas
7/29/2020 20:45:15	itsmayurigawande@gmail.com	Mayuri Kailash Rao Gawande	Bsc 3rd	Shri Shivaji science College Amravati	9370989071	Amravati Maharashtra	No
7/29/2020 21:27:06	Samikshanimje12@gmail.com	Samiksha Chandrashekhar Nimje	2nd year	Sant gadge baba university	9545302410	Amravati, Maharashtra	No
7/29/2020 21:32:03	sonalilokhande2682001@gmail.com	Sonali Pradip Lokhande	Bs 2nd	Shri Shivaji science college Amravati	9689884585	Dist-Yavatmal state-Maharashtra	No
7/29/2020 23:08:09	akashlakare641991@gmail.com	AKASH HARIBHAU LAKARE	M. P. Ed	Aurangabad	9730306010	Ahmednagar	Yes
7/30/2020	mohdnasirksj@gmail.com	MOHD NASIR	Student	Al-Barkaat Institute of	9675085252	Aligarh	No

15:53:29		ALTAMASH MOHAMMAD ZIYAUDDIN		Engineering And Technology		Maharashtra	
7/29/2020 16:03:36	shraddhawerulkar12@gmail.com	Shraddha Vilasrao Werulkar	Bsc 3rd year	Shri Shivaji science college Amravati	8669760079	Amravati,Maharashtra	
7/29/2020 16:09:29	priyuwagh8988@gmail.com	Priyanka Janardan Wagh	Bsc 1st	Shri Shivaji science college Amravati	7841975329	Amravati (Maharashtra)	No
7/29/2020 16:13:49	achalkhope73307@gmail.com	Achal Suresh Khope	Bsc2 sem4	Shri Shivaji Science College Amravati	7030386391	Amravati Maharashtra	
7/29/2020 16:33:38	bpknsharma@gmail.com	Pushpa Sharma	Bped	East point school	9599250301	Delhi	
7/29/2020 16:35:29	nandinipachpor7706@gmail.com	Nandini Varsha Pachpor	B.Sc final	Shri. Shivaji Science College Amravati	9011626402	Maharashtra	No
7/29/2020 16:45:40	mampi620@gmail.com	Madhumita Malakar	Bped	Icfai university	8414037826	West tripura	Drink normal water
7/29/2020 17:18:30	aarti08ekadpatil@gmail.com	Mrs.Aarti Vaibhav Ekadpatil	1to10	Anekant English medium school Baramati	8554082777	Pune/Maharashtra	No
7/29/2020 17:50:25	Parvanighormade@gmail.com	Parvani Ghormade	Msc 2nd yr	Shri shivaji science college, Amravati	7558652588	Amravati, Maharastra	No
7/29/2020 17:51:52	vishakhatayade077@gmail.com	Vishakha Vijay tayade	Bsc final year	Shri Shivaji science college Amravati	9970997318	Amravati Maharashtra	No
7/29/2020 18:13:15	nikitachandiwale@gmail.com	Nikita shravan chandiwale	Bsc 1st (second semester)	Shri shiwaji science college (Amravti)	7057998624	Di. Wardha And state (Maharashtra)	
7/29/2020 18:25:09	gargibakale@gmail.com	Gayatri Rajiv Bakale	BSc III (BTZ)	Shri Shivaji Science College, Amaravati	8830603906	Amaravati, Maharashtra	No, but i practice it
7/29/2020 18:25:18	gargibakale@gmail.com	Gayatri Rajiv Bakale	BSc III (BTZ)	Shri Shivaji Science College, Amaravati	8830603906	Amaravati, Maharashtra	No, but i practice it
7/29/2020 18:25:36	gargibakale@gmail.com	Gayatri Rajiv Bakale	BSc III (BTZ)	Shri Shivaji Science College, Amaravati	8830603906	Amaravati, Maharashtra	No, but i practice it

7/29/2020 13:47:57	pnmjawanjal131297@gmail.com	Poonam Deepakrao Jawanjal	M.Sc 2nd year	Sant Gadge Baba Amravati University, Amravati	7264990069	Maharashtra	
7/29/2020 14:11:09	mrunalramteke09@gmail.com	Mrunal Diliprao Ramteke	Bsc 3 rd year	Shri shivaji science college amravati	8669053932	Amravati, Maharashtra	No, this is my first ever yoga course
7/29/2020 14:11:11	gayatriholey8@gmail.com	Gayatri Diliprao Holey	B. Sc. Final Year (20-21)	Shri Shivaji Science College, Amravati	7028297960	Amravati and Maharashtra	No
7/29/2020 14:13:25	omyeole2018@gmail.com	OM KAILAS YEOLE	Bsc (PCM)	Shri shivaji science college Amravati	9767914292	Washim and Maharashtra	
7/29/2020 14:21:19	gayatrithakare10@gmail.com	Gayatri sanjayrao Thakare	Bsc III year	Shri Shivaji science College	9834840106	Amravati	No
7/29/2020 14:29:33	nidak8508@gmail.com	Nida khan	D.El.Ed 4th semester	Al-barkaat Institute of Education, Aligarh	8265880996	Aligarh Uttar Pradesh	No
7/29/2020 14:31:16	Vaishnavipachpor6649@gmail.com	Vaishnavi kailasrao pachpor	Msc computer software	Shri shivaji science college amravati	7972676099	Amravati, Maharashtra	No
7/29/2020 14:47:18	malvepallavi03@gmail.com	KU.PALLAVI JAYSHRIRAM MALVE.	BSc 1st Sem 2	SHRI SHIVAJI SCIENCE COLLEGE, AMRAVATI	7058900751	AMRAVATI (MAHARASHTRA)	no
7/29/2020 14:50:00	Samreenyakubkhan@gmail.com	Samreen Yakub Khan	7th sem	Anjuman college of Engineering and technology	8308437860	Maharashtra,Nagpur	No
7/29/2020 15:21:53	aliyazaki432@gmail.com	Aliya Zaki	7th sem	Anjuman college of engineering and technology Nagpur	7378716599	Maharashtra	No
7/29/2020 15:22:37	tinukotra97@gmail.com	Tinusingh Swarajsingh Kotra	Final year	Anjuman College of Engineering and Technology Sadar Nagpur	8806641735	Nagpur, Maharashtra	No
7/29/2020 15:27:03	abrarchoudhary1992@gmail.com	Abrar ahmed	MPEd	Sant gadge baba Amravati university Amravati	7006365285	Reasi, J&K.	No
7/29/2020	altamash70386@gmail.com	MOHAMMAD	4th year	Anjuman College of	7038678763	Nagpur	

7/29/2020 11:47:58	shiwanigole2002@gmail.com	Shiwani Dilip Gole	Bsc 2nd yr	Shree shivaji science clg Amravati	9665333955	Amravati, Maharashtra	No
7/29/2020 11:48:30	sakshirakhonde001@gmail.com	Ku.Sakshi Ramesh Rakhonde	B.sc 1	Shri. Shivaji Science College Amravati	7720893016	Maharashtra	No
7/29/2020 11:49:13	tgajmohan@gmail.com	Gaja Mohan Tripura	Bped	Degree college of physical education	8730978954	amravati (Maharashtra)	Yea
7/29/2020 11:51:39	idishfaq630@gmail.com	Ishfaq Ahmad sheikh	BPES III	HVPM,DCPE	7889305347	Bandipora,Jammu and Kashmir	No
7/29/2020 11:52:56	lalduhawmihnamte123@gmail.com	Lalduhawmi Hnamte	B.p.ed 2sem	The Icfai University, Tripura	8415848970	Aizawl, Mizoram	Yes
7/29/2020 11:54:17	shubhangidamle10@gmail.com	Dr. Shubhangi Damle	Director of phy. Edu.	Sant Gadgebaba Amravati university	9422921144	Washim ..Maharashtra	No.
7/29/2020 12:06:27	anujchaudhari61013@gmail.com	Anuj Govardhan Chaudhari	Bsc (PCM)	Shri.Shivaji Science College,Amravati	8857859581	Amravati,Maharashtra	No
7/29/2020 12:16:55	vaiasalikalasakar1234@gmail.com	Vaishali Kalasakar	B.A.Final	Sant Gadge baba ,Amt.University,Amt.	9730839345	Amaravati	Yes
7/29/2020 12:32:25	indrayanibage99@gmail.com	Understand yes	B.A.3.year	S.R.M.M.Mahavidyalay Khamgaon Amravati	9518915482	Nuksaan Maharashtra	No
7/29/2020 12:36:30	amitaloni3232@gmail.com	Amit Ravi Aloni	B. Sc 3 rd year	Shri Shivaji Science College Amravati	7774810228	Amravati, Maharashtra	No
7/29/2020 12:53:58	rudranib404@gmail.com	Rudrani Krishnakant Barbde	B.Sc. 2nd year	Shri. Shivaji Science College, Amravati	7558750041	Yavatmal , Maharashtra	No
7/29/2020 13:10:36	prativasikkim@gmail.com	Prativa Gurung	M. P. Ed	Sakyong Senior Secondary econdary School West est Sikkim	8145187195	West and Sikkim	
7/29/2020 13:17:38	rupesh.rupwate21@gmail.com	Rupesh Vasant Rupwate	Ph D Scholar	BPCA's College of Physical Education, Wadala, Mumbai	9595832462	MAHARASHTRA	No
7/29/2020 13:31:09	idishfaq630@gmail.com	Ishfaq Ahmad sheikh	BPES III	HVPM,DCPE	7889305347	Bandipora,Jammu and Kashmir	CYed

7/29/2020 10:41:04	ankitatayade0107@gmail.com	Ankita Milind Tayade	Msc	Shri Shivaji science college Amravati	9130536028	Amravati	No
7/29/2020 10:45:38	reshmachavhan111@gmail.com	Reshma sunil anupama chavhan	MSc	Shri shivaji science college amaravati	9921756016	Maharashtra	
7/29/2020 10:51:20	mamtasakta@gmail.com	Dr. Mamta Sakta	B.Ed Class Teaching	Pestle weed college of information technology Dehradun Uttarakhand	9410779328	Dehradun/Uttara khand	
7/29/2020 10:53:53	Chetansoye@gmail.com	Chetan vidyadhar soye	M.sc	Shri shivaji science collage Amravti	7720955470	Amravati	No..
7/29/2020 10:54:04	divyamalliga12@gmail.com	DIVYAMARLIN T	BE-ECE	VV COLLEGE OF ENGINEERING	8220025770	Tirunelveli and Tamil Nadu	No
7/29/2020 10:58:41	singhagym@gmail.com	Ajoy Singha	Research Scholar	Degree College of Physical Education	9774556128	Amravati/Mahar ashtra	Yes
7/29/2020 11:10:52	Abhilashabajpai34352@gmaio.com	Abhilasha bajpai	bpes 3rd year	Hvpm Amravati Maharashtra	9264952567	UP(kanpur)	No
7/29/2020 11:13:04	shamlimankar68312@gmail.com	Shamli Diliprao Mankar	Bsc 3rd year	Shri Shivaji science college amravati	9284266729	amravati and Maharashtra	No
7/29/2020 11:15:44	Shamlimankar68312@gmail.com	Shamli Diliprao Mankar	Bsc 3rd year	Shri shivaji science college amravati	9284266729	Amravati and Maharashtra	No
7/29/2020 11:17:56	divyamalliga12@gmail.com	DIVYAMARLIN T	BE-ECE	VV COLLEGE OF ENGINEERING	8220025770	Tirunelveli and Tamil Nadu	No
7/29/2020 11:24:58	sayalijamodkar214@gmail.com	Sayali Jamodkar	MSc	Shri Shivaji Science College Amravati	9923328341	Amravati, Maharashtra	No
7/29/2020 11:37:19	bhagyashreeakhare1@gmail.com	BHAGYASHREE VIJAY AKHARE	B.Sc 2nd year	SGBAU AMRAVATI	9579544022	AMRAVATI maharashtra	No
7/29/2020 11:41:37	mansimudliar11@gmail.com	Mansi Rajkumar Mudliar	MSc II Botany	Shri Shivaji Science College Amravati	9021495538	Amravati Maharashtra	No
7/29/2020 11:42:51	sakshimehare0@gmail.com	Sakshi Anil Mehare	BSC 2nd	Shri shivaji science College Amravati (sant gadgebaba Amravati University)	9130299476	Amravati Maharashtra	No

				DHARNI DIS.AMRAVATI MS			
7/29/2020 8:37:50	lkvpawar@gmail.com	LKV Pawar	M.Sc. Botany II	Shri Shivaji Science College Amt.	7798928180	Amravati MH	No
7/29/2020 8:44:03	kartikiingole1998@gmail.com	Kartiki Anantrao Ingole	B.sc. III (Bio)	Shri Shivaji Science CLG, Amravati/ Sant Gadge Baba university Amravati	9552287281	Washim, Maharashtra	No
7/29/2020 8:44:55	vaishnavipawar383@gmail.com	Vaishnavi ganeshrao pawar	Bca	Shri Shivaji science College Amravati	9284489116	Amravati Maharashtra	No
7/29/2020 8:54:36	rahulbawankar786.rb@gmail.com	Rahul Ghanshyam Bawankar	B.Sc Agri	Dr. PDKV Akola	7744960219	Nagpur Maharashtra	No
7/29/2020 9:10:17	pranavhade22@gmail.com	PRANAV DILIP HADE	Graduate	Sbgau	7387548767	Amravati	No
7/29/2020 9:13:54	abhishektivhane991@gmail.com	Jyoti Narayan Tivhane	B A Final year	Smt surjadevi ramchandra mohata mahila mahavidyalay khamgaon	9356463715	Dist.Buladana and State.Maharashtra	
7/29/2020 9:25:19	vaishnaviband2000@gmail.com	Ku vaishnavi pradip band	Bsc 3 rd	Shri Shivaji Science College Amravati	9552832235	Amravati, Maharastra	No
7/29/2020 9:31:17	adjadhao20@gmail.com	Dr. A. D. Jadhao	Assistant Professor	B. B. Arts N B Commerce and B P Science College Digras	9604784707	YAVATMAL Maharashtra	No
7/29/2020 9:41:23	radheshyambahadure59@gmail.com	RADHESHYAM SANTOSHRAO BAHADURE	BA	YCMOU	9075187893	AMRAVATI MAHARASHTRA	yoga is very inpotant in life
7/29/2020 10:03:36	kdande1996@gmail.com	Kalyani ande	Ms 1 st	Shri shivaji science collage amravati	9112811279	Amravati	
7/29/2020 10:25:16	jadhaobhakti3@gmail.com	Bhakti dipak jadhao	b A 1year	smt vatsalabai naik mahila mahavidyalay pusad	7447597257	maharashtra	Yes
7/29/2020 10:35:52	aishwarya.tayade2018@gmail.com	Aishwarya Dadarao tayade	Bsc3	Shri Shivaji science College amaravti	9922012287	Maharashtra	No

7/29/2020 1:35:50	burghate.shital@gmail.com	Shital Dhananjay porey	OBC	Bhartiya Vidya bhavans	9158991946	Maharashtra	No
7/29/2020 7:05:41	vikasandraskar@gmail.com	Vikas bhanudas andraskar	BCA-3	Shri Shivaji science College amravati	9145239271	Amravati, maharastra	No
7/29/2020 7:29:43	dubeyashish012@gmail.com	Ashish Dubey	Research scholar	SGBM University	9425869618	Bhopal MP	Yes
7/29/2020 7:29:52	dubeyashish012@gmail.com	Ashish Dubey	Research scholar	SGBM University	9425869618	Bhopal MP	Yes
7/29/2020 7:32:33	suryakantthakur256@gmail.com	Sayali Sachin patil	SY bcom	MPASC college panvel	9967461701	Maharastra	Yes
7/29/2020 7:32:42	ashudubey0211@gmail.com	Nishtha	B.ed	V.B.S.P.U JAUNPUR	9450738885	Jaunpur Uttar Pradesh	Yes
7/29/2020 7:33:39	deshmukhutkarsh9@gmail.com	Utkarsh Hemraj Deshmukh	Bsc 2nd year	Shri. Shivaji Science College Amravati	9623810376	Amravati, Maharashtra	नहीं.
7/29/2020 7:34:17	suryakantthakur256@gmail.com	Suryakant Atmaram Thakur	B com	MPASC College Panvel	9967461701	Raigad	Yes
7/29/2020 7:35:42	Sony.tugave@gmail.com	Dr Mahadevi Tugave	Research scholar	GUG	5078402112	West Des Moines-Iowa	No
7/29/2020 8:07:05	Shahidmohiuddinparray@gmail.com	SHAHID MOHI UD DIN	PhD research Scholar	SANT GADGE BABA AMRAVATI UNIVERSITY	07006088869	BARAMULLA and JAMMU AND KASHMIR	No
7/29/2020 8:17:55	dshirke37@gmail.com	DINESH SHIRKE	-	STES	9765297846	PUNE, MAHARASHTRA	No
7/29/2020 8:20:18	rautshubhangi199@gmail.com	Shubhangi Pravinrao Raut	B.sc 1st year	Shri shivaji science collage,Amravti	9579320846	Wardha and Maharashtra	No
7/29/2020 8:25:59	ips.noor@gmail.com	Noor Ahmad Khan	M.P. Ed.	Institute of Professional Studies	9424608878	Gwalior, Madhya Pradesh	
7/29/2020 8:27:46	Pradeephshende15@gmail.com	PRO.PRADEEP HARIBHAU SHENDE	Yoga and meditation	SHI.VASANTRAO NAIK ART COMM.SCI MAHAVIDYLAYA	9421820292	Amravati	Yes

7/28/2020 22:49:37	purva.kherkar@gmail.com	PURVA GANESHRAO KHERKAR	MPEd	RSSM Visapur	9552486804	Chandrapur Maharashtra	Yes
7/28/2020 22:57:29	avienash.mandake@gmail.com	AVINASH VASANTRAO MANDAKE	Teacher	Bharati Vidyapeeth English Medium School Navi Mumbai	8097956555	Thane, Maharashtra	Yes
7/28/2020 23:00:48	biranwarsanjay@gmail.com	Mohit Sanjay Biranwar	12th pass	L. B. S. J. College Bhandara	9420919856	Bhandara Maharashtra	
7/28/2020 23:03:37	nandiniwagh2012@gmail.com	Dr. Nandini Pandurang Wagh	B.A.	KBCNMU, Jalgaon	9422333934	Jalgaon, Maharashtra	
7/28/2020 23:06:12	pornimakharat79@gmail.com	Pornima Sachin Kharat	Taking second std	Bharati Vidyapeeth English Medium School	9321362413	Thane Maharashtra	No
7/28/2020 23:25:16	Priyankapuranchandrabhatt@gmail.com	Priyanka bhatt	M. PED	B. A. M. U Aurangabad	7620124153	Aurangabad	Yes
7/28/2020 23:25:20	taydesantosh53@gmail.com	Santosh P.Tayde	..	Sgbau	8208540415	Maharast	
7/28/2020 23:43:59	tembhurne277@gmail.com	Dr. Ravindra Bhaurao Tembhurne	Commerce	Spm Science & Gilani Arts Commerce College Ghatanji Dist. Yavatmal	8170045096	Yavatmal , Maharashtra	
7/28/2020 23:49:23	mayurkherkar@gmail.com	MAYUR GANESHRAO KHERKAR	2nd year	PGTD COLLEGE OF PHYSICAL EDUCATION RTM NAGPUR	9765702686	Chandrapur Maharashtra	Yes
7/29/2020 0:04:35	sheetalw20@gmail.com	Miss Sheetal Babanrao Vidhate	Faculty	Department of Education, Sant Gadge Baba Amravati University	7261928133	Maharashtra	Yes
7/29/2020 0:10:28	nishisadaphule11121984@gmail.com	Nishikant Maroti Sadaphule	12	Dayanand Science college latur	9096359568	LATUR Maharashtra	
7/29/2020 0:10:39	menka1208@gmail.com	Menka Kumari	MA	Jamshedpur Women's College, Jamshedpur	8797627076	East Singhbhum , Jharkhand	No
7/29/2020 0:19:21	pninnore@gmail.com	Pratiksha Premchand Ninnore	Bsc 2nd year	Shri Shivaji Science / SGBAU	8378043005	Amravati , Maharashtra	Yes

				Singhbhum, Jharkhand		Jharkhand	
7/28/2020 22:29:17	vandana.arak@gmail.com	Dr.vandana damodhar arak	.	Shri dnyaneshwar mahavidhylaya newasa	9860236879	Ahemdnagar	No
7/28/2020 22:35:49	sujatapinjarkar.2917@gmail.com	Sujata Mahendra Pinjarkar	Bsc 1st year	Shri Shivaji Science College Amravati	9420152977	Amravati	No
7/28/2020 22:37:33	gaisamudresunil@gmail.com	SUNIL NARAYANRAO GAISAMUDRE	B A,B.Sc	Government college of Arts @ science Aurangabad	9890282021	Aurangabad Maharashtra	no
7/28/2020 22:42:02	Prafullvarale@gmail.com	Dr.prafull prakash varale	No	Madhukarrao pawar Arts college Murtizapur dist Akola	9028393207	Akola Maharashtra	Yes
7/28/2020 22:42:09	Mr.kadamomkar03@gmail.com	Omkar mohan kadam	12th	Aabasaheb garware college of arts & science	7040558770	Pune, maharashtra	Yes
7/28/2020 22:42:27	sbambole74@gmail.com	Ku. Sangita Rushi Bambode	NA	NA	9271455198	Chandrapur	NA
7/28/2020 22:43:27	pranaliabruk@gmail.com	Pranali Rajesh Abruk	B.sc.3rd(CEZ)	Shri.shivaji science college,Amravati,sand gadage baba University Amravati.	8788420719	Amravati , Maharashtra	Yes
7/28/2020 22:43:29	kalpanagonde29602@gmail.com	Kalpana Wamanrao Gonde	Research students	Aney mahila mahavidyalay yavatmal	8421497977	Yavatmal and Maharashtra	Yes
7/28/2020 22:43:30	Deshmukhmanali263@gmail.com	Ku. Manali vinod deshmukh	Bsc 22nd year	Shivaji science college	7558662110	Amaravati	Yes
7/28/2020 22:44:00	girasepm223@gmail.com	Girase Premsing Mansing	UG	S S P M Arts and Sci Mahila College Shahada Tal-Shahada Dist-Nandurbar	9403423010	Nandurbar Maharashtra	Yes
7/28/2020 22:45:30	clevemu23@gmail.com	CLEVERSON SYIEMLIEH	Master of Physical Education and Sports	M.S UNIVERSITY, TIRUNELVELI, TAMIL NADU	9863479680	EAST KHASI HILLS DISTRICT, MEGHALAYA	No..

22:14:50			year	sharirik shikshak mhavidyalay visapur, gonadwana University gadchiroli		Chandrapur, state-Maharashtra	
7/28/2020 22:15:37	vnshinde007@gmail.com	Dr. Vishal Nilkanthrao Shinde	Ph.D	Nilkanthrao Shinde Science & Arts College, Bhadrawati Dist:- Chandrapur	9850319177	CHANDRAPUR/ MAHARASHTRA	No
7/28/2020 22:15:54	mundankc@gmail.com	Dr PRAVEEN KUMAR KC	Faculty	BESANT women's College manglore	9482045188	Dakshina Kannada/Karnataka	No
7/28/2020 22:17:11	krushnadethe28@gmail.com	DETHE KRUSHNA VIJAY	B.Sc.	DR. PANJABRAO DESHMUKH KRISHI VIDYAPEETH, AKOLA	7588100705	Akola MH	No
7/28/2020 22:19:49	sports.karad@podar.org	Amol Ashok Palekar	BABPed	Kolahapur	7774883444	Satara	Yes
7/28/2020 22:20:24	nainalalchandani09@gmail.com	Ms.Naina Parshotam Lalchandani	Mcom.	University of Mumbai	9822882532	Thane & Maharashtra	Yes
7/28/2020 22:24:01	awadeshmaurya36@gmail.com	Maurya Awadesh ajaykumar	TYBMS	Change kana thakur ACS,mumbai university	8286822872	Maharashtra	Yes
7/28/2020 22:24:03	abrarchoudhary1992@gmail.com	Abrar ahmed	MPEd	Sant gadge baba Amravati university Amravati	7006365285	Reasi, J&K.	No
7/28/2020 22:26:51	baraskarharidas@gmail.com	Dr.Baraskar Haridas Kanifnath	1	Shri Shivaji Mahavidyalaya,Barshi. PAH Solapur University,Solapur.	9822095105	Solapur ,Maharashtra	Yes
7/28/2020 22:27:05	sonaliharne1988@gmail.com	Sonali Shridharrao Harne	Research Scholar	Shri Shivaji College Of Physical Education Amravati	9850736611	Amaravati, Maharashtra	No
7/28/2020 22:28:18	drchanchalkumari@gmail.com	Dr Chanchal Kumari	PhD	Kolhan University, Chaibasa, West	7979725293	East Singhbhum,	Yes

8:51:14			CEZ	College, Amravati		Maharashtra	
7/28/2020 8:52:12	prajawalsawake10@gmail.com	PRAJAWAL RAJABHAU SAWAKE	BSC 2nd	Shri Shivaji Science College,Amravati University	8805962483	Amravati, Maharashta	Yes
7/28/2020 10:42:54	pallavimahore1998@gmail.com	Pallavi Narayanrao Mahore	BSC	Shri. Shivaji Science college	7066230151	Amravati , Maharashtra	No
7/28/2020 10:53:23	tejaswanve@gmail.com	Tejas nandakishor wanve	B.sc.2 year (CAM)	Shri shivaji science college,Amaravati	7304212022	Dist:-Amaravati state:-Maharashtra	No
7/28/2020 12:29:30	supriyadongre1999@gmail.com	Supriya Dongre	Bsc. Final	Shri. Shivaji Science College Amravati	8007578733	Dist. Amravati, State-Maharashtra	No
7/28/2020 12:54:54	rishabhgawai123@gmail.com	Rishabh Manoj Gawai	BCA-2nd year	Sgbau	9834380734	Amravati,Maharashtra	No
7/28/2020 13:21:38	baisware.saloni0219@gmail.com	Saloni Naresh Baisware	BCA 1	Shri. Shivaji Science College Amravati	7758085549	Amravati, Maharashtra	No
7/28/2020 14:59:39	darshuband05@gmail.com	Darshana manish band	Bsc 2nd year	Shri shivaji science college...Sant gadge baba university	8208444590	Amravati...maharashtra	No
7/28/2020 18:15:52	nagepratiksha0@gmail	Pratiksha Ravindra Nage	bsc2nd yr	Shri Shivaji science college amravati	9309882098	Amravati, Maharashtra	
7/28/2020 22:12:58	sunilsingh.janwee@gmail.com	Sunil Kumar Singh	M.P.Ed.	R S Teacher Training college katras Dhanbad JHARKHAND	9798779244	Dhanbad/Jharkhand	
7/28/2020 22:14:31	Ankitapatel1997y@gmail.com	KM. ANKITA PATEL	Student of Mass Communication	Mahatma Gandhi Antarrashtriya Hindi Vishvavidhyalya Wardha Maharashtra	9529685833	Wardha Maharashtra	Nhi lekin yog krte h
7/28/2020 22:14:46	v_vishu@hotmail.com	VISHAKHANAND BANSOD	Ph. D.	University of Delhi	8800864831	Delhi	
7/28/2020	Pammimishra398@gmail.com	Pammi sudhar mishra	B. P. Ed second	College name-rashtriya	7517891973	District -	No

7/27/2020 17:06:05	nikitabha2018@gmail.com	Nikita bhanrajpant Boharupi	Bsc3rd year	Shri Shivraj science College Amravati	8767815212	Maharashtra	Yas
7/27/2020 17:19:32	auke2019@gmail.com	Aishwarya Sanjay uke	Bsc 3rd yr	shri shivaji science college	9309578663	MAHARASHTRA	no sir
7/27/2020 17:45:54	navneetghatale@gmail.com	Navneet Rajendra Ghatale	BCA	Shri Shivaji Science College, Amravati	9156370182	Amravati Maharashtra	Yes
7/27/2020 17:57:55	rutujakhandekar742001@gmail.com	Aaditya parmeshwar khandekar	Bsc.1st year	Shri. shivaji science college amaravti	9623562540	Amravati, Maharashtra	No
7/27/2020 18:31:34	sandykumaryadav20@gmail.com	Sandeep yadav	bsc 3rd year (PhG)	sant gadge baba university	8459956487	amravati	
7/27/2020 18:36:00	pragatibhakare1999@gmail.com	Pragati Vijay Bhakare	BSc final year	Shri. Shivaji Science College, Amravati	9604391004	Washim, Maharashtra	No
7/27/2020 18:59:01	dsnakhale99@gmail.com	Dhananjay Santosh Nakhale	BScIII	Shri shivaji science college, amravati	7083418890	Amravati, Maharashtra	No
7/27/2020 20:11:51	aachalpuri0@gmail.com	Aachal Gajanan Puri	B.sc 3 rd year	Shri.shivaji science college Amravati	9307188062	Amravati	Yes
7/27/2020 20:23:59	gayatritekade2000@gmai.com	Gayatri Rajendra Tekade	3rd year	Sang Gadage Baba Amaravati University	7709813749	Dist-Amaravati State -Maharashtra	
7/27/2020 20:35:49	gayatritekade2000@gmil.com	Gayatri rajendra tekade	B.sc 3 rd year	Shri.shivaji science college Amravati	7709813749	Amravati	Yes
7/27/2020 20:51:07	gayatrinpakhale2000@gmail.com	Gayatri Nandkishor Pakhale	BSc 3rd	Shri Shivaji science College Amaravati	8669494339	Dist. -Amaravati , state - Maharashtra	Not professional just attend school y course.
7/27/2020 21:01:02	nehavaidya646@gmail.com	Neha Baburao Vaidya	Bs.c 1st year	Sheri.shivaji science / sant. Gadge baba university	9604415295	Amravati/ Maharashtra	Yas
7/27/2020 22:08:20	Chinttuchandanpatri@gmail.com	Chetan chandu chandanpatri	BA.II	College	9146840658	Maharastra	Yas
7/28/2020	mr.sagarthakare@gmail.com	Sagar Thakare	BSc 3rd year	Shri Shivaji Science	7066073469	Amravati,	Not yet.

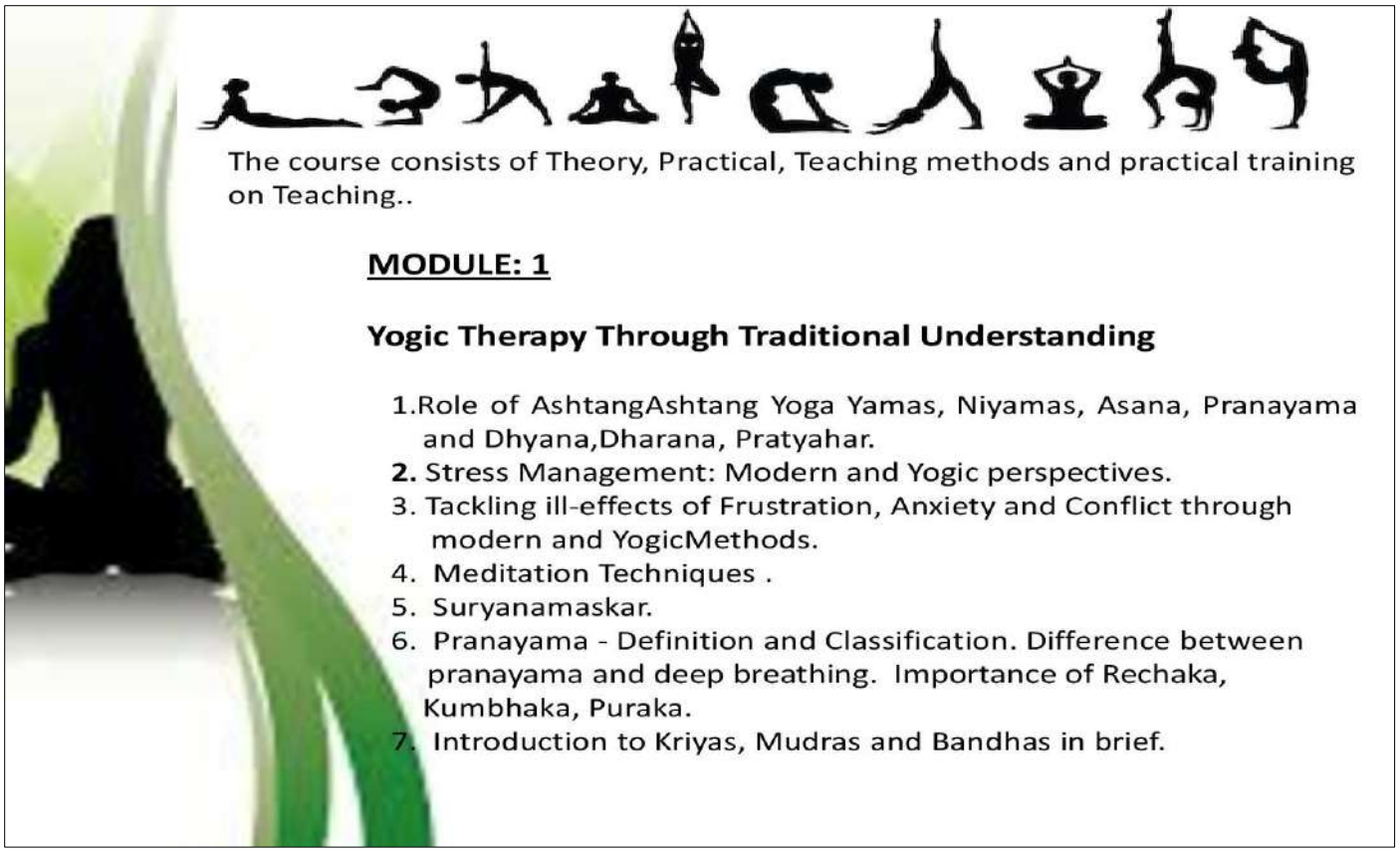
Ragistered student for yoga and meditation course 202021

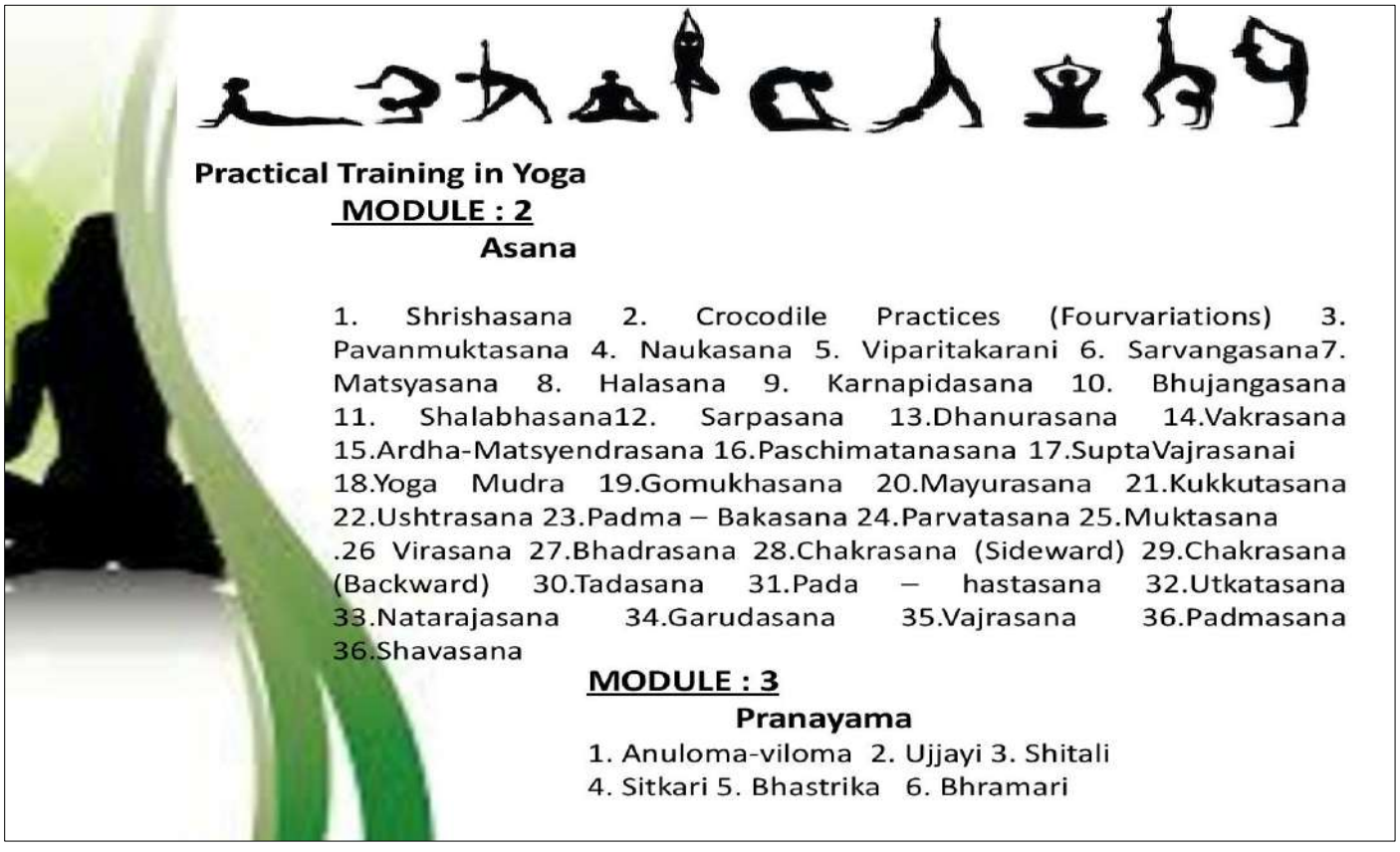
https://docs.google.com/spreadsheets/d/1cmzsXb6NNXyW0qcAK_ONEWsDyDJc5cuAwkTe-QtW-LM/edit?usp=sharing

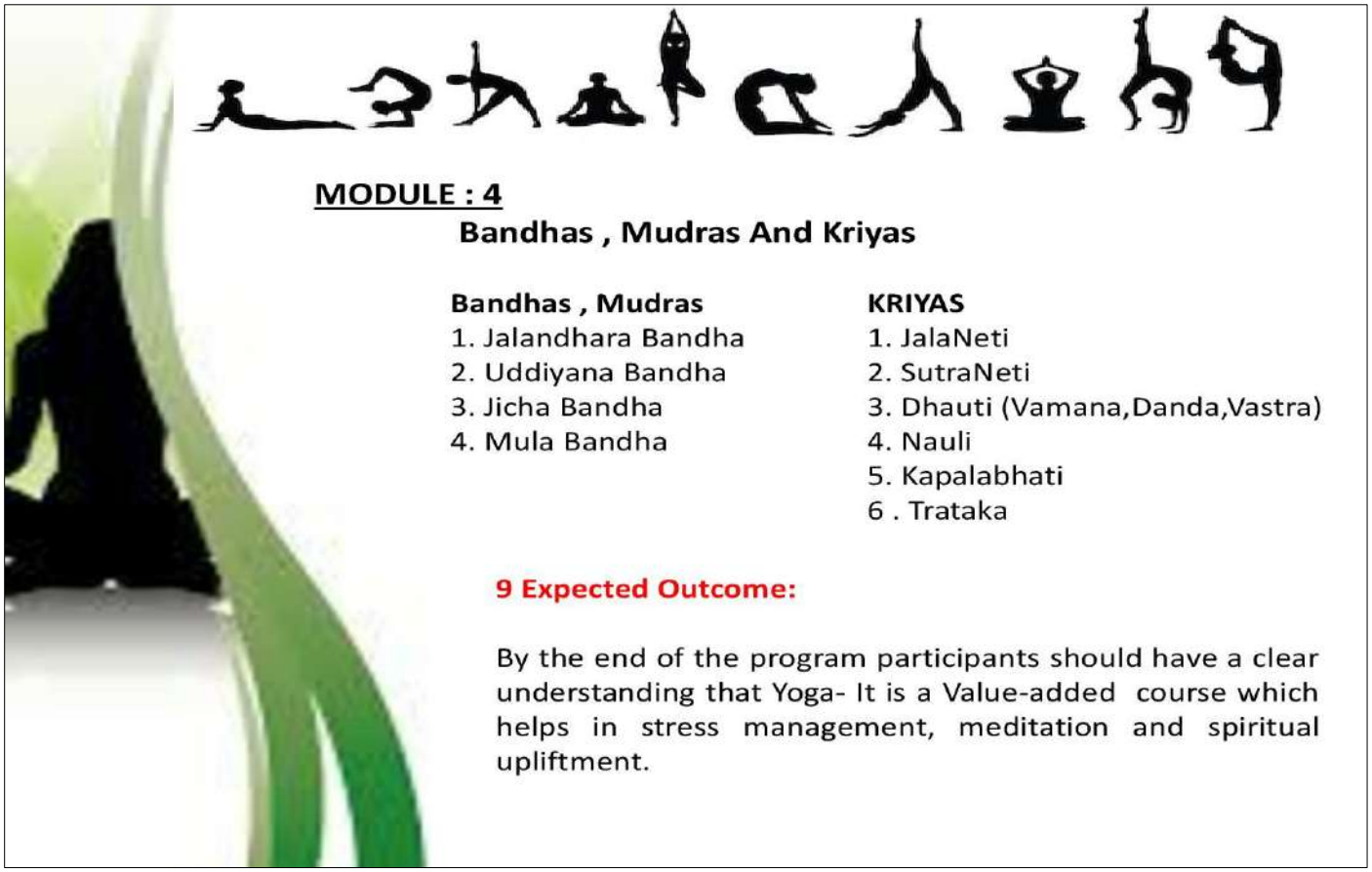
Timestamp	Emil address	Full Name of participant	Designation	College / University	Moibile Number	District	before that have you join any yoga c
7/25/2020 18:52:38	Rupali A Ingole 39 shakuntal coloney vmv road amravati	Dr.Rupali Abhijit Ingole	B. Sc.	Shri Shivaji Science College Amravati	9370712134	Maharashtra	
7/27/2020 15:18:54	gawaliab7@gmail.com	Abhishek Jayhari Gawali	B. Sc 3rd year	Shri Shivaji Science College, Amravati	7517317987	Amravati, Maharashtra	
7/27/2020 15:44:43	yashasvirithe18@gmail.com	Yashasvi Sanjay Rithe	Bsc 3rd year (sem 5th)	Shri shivaji science college amravati.	9511764186	Amravati and Maharashtra	No
7/27/2020 16:02:52	Sanketbadwaik@gmail.com	Sanket badwaik	2yr	Shri shivaji science amravati	8600841653	Amravati , maharatra	No
7/27/2020 16:13:26	chaudharypatilaachal@gmail.com	ANCHAL NARENDRA CHAUDHARI	BSC 1 yr	SHREE SHIVAJI SCIENCE COLLAGE AMRAVATI, MAHARASHTRA, INDIA	9637955621	Dist: AMRAVATI,,___ ___,STATE,: MAHARASHTRA	
7/27/2020 16:25:44	pranavchavh@gmail.com	Pranay Dadusing Chavan	3rd year	Shri shivaji science college/SGBUA	7888160040	Yavtmal	No
7/27/2020 16:41:13	Kalyanidhole239@gmail.com	Kalyani virendra Dhole	Bsc 3rd year	Shri shivaji science college, Amravti	7057490161	Amravti, maharashtra	No
7/27/2020 16:49:31	abdulmaaz2016@gmail.com	Abdul Maaz Abdul Samad	Bsc Agriculture	Dr.Panjabrao Deshmukh Krishi Vidyapeeth Akola	8412958589	Amravati Maharashtra	
7/27/2020 17:00:02	nehapatinge9@gmail.com	Neha Sanjay Patinge	B. Sc - 3rd year	Shri Shivaji Science College, Amravati	9921895442	Dist- Amravati, state- Maharashtra	

11:30:04							
8/18/2020 22:03:42	rammadhuri41@gmail.com	Madhuridevi Kailash Ram	Student	Gondwana	7378926359	Chandarpur	
9/2/2020 17:08:19	kumardileep4411@gmail.com	DILEEP KUMAR	Teacher	DAV CENTENUARY COLLEGE	9910468997	FARIDABAD	yes
9/3/2020 12:52:54	petertirkey37@gmail.com	Mr.Peter Tirkey	Student	Shri Shivaji Science College Amravati	8506988721	Faridabad	Yes

Curriculum and Time table






MODULE : 4
Bandhas , Mudras And Kriyas
Bandhas , Mudras
1. Jalandhara Bandha
2. Uddiyana Bandha
3. Jicha Bandha
4. Mula Bandha
KRIYAS
1. JalaNeti
2. SutraNeti
3. Dhauti (Vamana,Danda,Vastra)
4. Nauli
5. Kapalabhati
6 . Trataka
9 Expected Outcome:
By the end of the program participants should have a clear understanding that Yoga- It is a Value-added course which helps in stress management, meditation and spiritual upliftment.

Assessment

09/02/2020 13:34:15	pratibha.surve1965@gmail.com	NAMRATA NARENDRA SURVE	GARGI SPORTS CLUB	Other	40	66.7%	TRUE	UBOJSE-CE000194
09/02/2020 14:10:50	chandraped@yahoo.co.in	Dr.Ramachandra.K	Govt first grade college vittal	Teacher	48	80.0%	TRUE	UBOJSE-CE000195
09/02/2020 15:29:59	iikhalakpathan26@gmail.com	Ikhlak rasul pathan	Rashtriya sharirik shikshan mahavidyalay visapur	Student	60	100.0%	TRUE	UBOJSE-CE000196
09/02/2020 15:49:57	gawaliminakshi99@gmail.com	Dr.Minakshi Haribhau Gawali	K.S.K.W.College, Cidco	Teacher	54	90.0%	TRUE	UBOJSE-CE000197
09/02/2020 17:37:23	Neeraj.joshi6500@gmail.com	Neeraj Hiralal Joshi	Bhavan's Vidya Mandir	Teacher	50	83.3%	TRUE	UBOJSE-CE000198
09/02/2020 18:22:57	shitalborkar0401@gmail.com	Shital Sewakram Borkar	Rashtriya Sharirik Shikshan Mahavidyalaya Visapur	Student	60	100.0%	TRUE	UBOJSE-CE000199
09/02/2020 18:24:23	nainalalchandani09@gmail.com	Ms.Naina Parshotam Lalchandani	Balkan-Ji-Bari EM school	Teacher	42	70.0%	TRUE	UBOJSE-CE000200
09/02/2020 19:43:13	anuraginibokey@gmail.com	Dr.Anuragini Rameshrao Bokey	Matoshri vimlabai Deshmukh Mahavidyalaya Amravati	Teacher	32	53.3%	TRUE	UBOJSE-CE000201
09/02/2020 20:39:59	rajani.murkute@gmail.com	Dr. Rajani Murkute	NSSM Nagpur	Teacher	44	73.3%	TRUE	UBOJSE-CE000202
09/02/2020 22:35:56	vijaydhongade28@gmail.com	Vijay Ram Dhongade	Mauli institution washim	Student	58	96.7%	TRUE	UBOJSE-CE000203
09/02/202	revingole@gmail.com	Dr. Revati Hemantrao Ingole	college of agriculture	Student	42	70.0%	TRUE	UBOJSE-CE0002

09/01/2020 18:32:05	sonalrangari3@gmail.com	Sonal Kantilal Rangari	Arts College Badnera	Teacher	34	56.7%	TRUE	UBOJSE-CE000184
09/01/2020 18:46:26	hanumanbajiyamkn@gmail.com	Hanuman Bajiya	Rashtriya Sahririk Shikshan Mahavidhalay Visapur Chandrpur Maharashtra	Student	46	76.7%	TRUE	UBOJSE-CE000185
08/31/2020 22:53:35	v.khodaskar@gmail.com	Vasistha A Khodaskar	Teacher	7021776640	38	63.3%	TRUE	UBOJSE-CE000186
09/02/2020 5:06:49	manojthakare.amt@gmail.com	M.D.Thakare	Never Rope Down	Teacher	38	63.3%	TRUE	UBOJSE-CE000187
09/02/2020 6:11:11	pradeephshende15@gmail.com	PRO.PRADEEP HARIBHAU SHENDE	SHI.VASANTRAO NAIK ART,COMM AND SCIENCE MAHAVIDYLAY DHARNI DIS.AMRAVATI MS	Other	46	76.7%	TRUE	UBOJSE-CE000188
09/02/2020 8:08:00	poorvabobadepatil@gmail.com	POORVA ANNASAHEB BOBADE	DNYANOPASAK COLLEGE,PARBHANI	Student	38	63.3%	TRUE	UBOJSE-CE000189
09/02/2020 9:01:52	altamash70386@gmail.com	MOHAMMAD ALTAMASH	Anjuman College Of Engineering And Technology	Student	24	40.0%	TRUE	UBOJSE-CE000190
09/02/2020 9:36:07	rammadhuri41@gmail.com	Madhuridevi Kailash Ram	Rashtriya sharirik shikshan mahavidyalay	Student	48	80.0%	TRUE	UBOJSE-CE000191
09/02/2020 10:44:52	fairykhan281@gmail.com	Fairy Khan	Al Barkaat Institute of Education	Student	48	80.0%	TRUE	UBOJSE-CE000192
09/02/2020 11:45:37	gauravchoudhary6563@gmail.com	Gaurav	RSSM VISAPUR	Student	54	90.0%	TRUE	UBOJSE-CE000193

19:27:13			Yavatmal.					
09/01/2020 19:22:41	richajadaun15@gmail.com	Richa jadaun	DAVV,indore	Student	60	100.0 %	TRUE	UBOJSE-CE000175
09/01/2020 19:22:05	sumermeghwal8@gmail.com	SUMER MEGHWAL	Rashtriya Sharirik Shikhan Mahavidhalay Visapur Chandrpur(Maharashtra)	Student	54	90.0%	TRUE	UBOJSE-CE000176
09/01/2020 19:21:59	mamtasakta@gmail.com	Dr. Mamta Sakta	Pestle Weed College of Information Technology Dehradun Uttarakhand	Teacher	40	66.7%	TRUE	UBOJSE-CE000177
09/01/2020 19:19:07	yogitabhagat9595@gmail.com	Yogita sewakram borkar	RSSM Visapur chandrapur	Student	58	96.7%	TRUE	UBOJSE-CE000178
09/01/2020 19:08:09	asmita.dolas@mgsnagpur.org	Asmita Dolas	School of scholars	Teacher	40	66.7%	TRUE	UBOJSE-CE000179
09/01/2020 19:06:02	gawaliab7@gmail.com	Abhishek Jayhari Gawali	Shri Shivaji Science College, Amravati	Student	34	56.7%	TRUE	UBOJSE-CE000180
09/01/2020 18:55:13	meghaambekar0001@gmail.com	Megha Lomesh ambekar	Sardar patel college chandrapur	Student	58	96.7%	TRUE	UBOJSE-CE000181
09/01/2020 18:45:31	nandiniwagh2012@gmail.com	Dr. Nandini Pandurang Wagh	Pankaj Arts and Science College Chopda Dist-Jalgaon	Teacher	42	70.0%	TRUE	UBOJSE-CE000182
09/01/2020 18:43:47	dr.bsboudha1999@gmail.com	DR BRIJENDRA SINGH BOUDHA	Bundelkhand degree college jhansi UP	Teacher	46	76.7%	TRUE	UBOJSE-CE000183

20:23:49								
09/01/2020 20:21:50	hemantkale20@gmail.com	Hemant Kautik Kale	Government Ashram School Dalwat Kalwan Nashik	Teacher	36	60.0%	TRUE	UBOJSE-CE000165
09/01/2020 20:07:45	ssdadhe@gmail.com	Dr. Subhash S. Dadhe	Dhanwate National College, Nagpur	Teacher	60	100.0 %	TRUE	UBOJSE-CE000166
09/01/2020 19:50:08	mohdnasirksj@gmail.com	Mohd Nasir	Al Barkaat Institute of Education, Aligarh	Student	40	66.7%	TRUE	UBOJSE-CE000167
09/01/2020 19:40:18	DEVARAMDHAKA1997@GMAIL.COM	DEVA RAM DHAKA	Kuchaman Education Kuchaman City (Nagaur)	Student	58	96.7%	TRUE	UBOJSE-CE000168
09/01/2020 19:39:39	vikramdakhole@gmail.com	Sangram anilrao dakhole	RASHTRIYA SHARIRIK SHIKSHAN MAHAVIDYALAY, VISAPUR,	Student	60	100.0 %	TRUE	UBOJSE-CE000169
09/01/2020 19:35:47	fakirarajguru36@gmail.com	Mr.RAJGURU FAKIRA BHAGWAN	Z.P.M.U.P.SCHOOL MOHANA BK	Teacher	50	83.3%	TRUE	UBOJSE-CE000170
09/01/2020 19:29:33	sheetalw20@gmail.com	Miss Sheetal Babanrao Vidhate	Department of Education, Sant Gadge Baba Amravati University	Teacher	42	70.0%	TRUE	UBOJSE-CE000172
09/01/2020 19:30:35	dnyaneshsir@gmail.com	MR.GAIKWAD DNYANESHWAR RAMDAS	ZPUPS CHARNER TA.SILLOD DIST.AURANGABAD	Teacher	38	63.3%	TRUE	UBOJSE-CE000171
09/01/2020 19:27:52	shitalborkar0401@gmail.com	Shital Sewakram borkar	Rashtriya Sharirik shiksha mahawidyalay	Student	60	100.0 %	TRUE	UBOJSE-CE000173
09/01/2020	sureshingle666@gmail.com	Suresh Kisanrao Ingle	Nehru Mahavidyalaya, Nerparsopant. Dist.	Teacher	40	66.7%	TRUE	UBOJSE-CE000174

09/01/2020 21:51:50	asmaureed@gmail.com	Ms. Asma Khan	Al- Barkaat Institute of Education., Aligarh	Teacher	60	100.0 %	TRUE	UBOJSE-CE000155
09/01/2020 22:01:08	atifatif1978@gmail.com	Mr. USMAN ATIF	Al-Barkaat Institute of Education, Aligarh	Teacher	60	100.0 %	TRUE	UBOJSE-CE000156
09/01/2020 23:16:04	bhartipshende@07gmail.com	Bharti pradeep Shende	Kinder garten school	Teacher	40	66.7%	TRUE	UBOJSE-CE000157
09/01/2020 22:08:54	sanghrakshak1212@gmail.com	SANGHRAKSHAK PRAKASH BADGE	ARTS COLLEGE BADNERA	Student	48	80.0%	TRUE	UBOJSE-CE000158
09/01/2020 22:09:18	nagepratiksha0@gmail.com	Pratiksha ravindra nage	Shri Shivaji science college amravati	Student	20	33.3%	FALSE	
09/01/2020 20:39:25	iqbalyusufansari@gmail.com	Mohammed Iqbal yusuf ansari	Feroze Gandhi College, Raebareli	Teacher	46	76.7%	TRUE	UBOJSE-CE000159
09/01/2020 20:38:53	shitalborkar0401@gmail.com	Shital sewakram Borkar	Rashtiy sharirik shiksha Mahavidyaly	Student	56	93.3%	TRUE	UBOJSE-CE000160
09/01/2020 20:35:05	anirudhagoyal.ag@gmail.com	ANIRUDHA GOYAL	BUNDELKHAND DEGREE COLLEGE JHANSI	Teacher	56	93.3%	TRUE	UBOJSE-CE000161
09/01/2020 20:34:51	Larenshkumar22220@gmail.com	DR. LARENSH KUMAR BOUDHA	GOVERNMENT COLLEGE CHINOR DISH GWALIOR M.P.	Teacher	50	83.3%	TRUE	UBOJSE-CE000162
09/01/2020 20:32:32	pp545935@gmail.com	Pinki	Institute of education bundelkhand university jhansi	Student	50	83.3%	TRUE	UBOJSE-CE000163
09/01/2020	gayatriholey8@gmail.com	Gayatri Diliprao Holey	Shri. Shivaji Science College, Amravati	Student	44	73.3%	TRUE	UBOJSE-CE000164

			chandrapur					
09/01/2020 20:52:00	krushnadethe28@gmail.com	DETHE KRUSHNA VIJAY	DR. PANJABRAO DESHMUKH KRISHI VIDYAPEETH, AKOLA	Student	54	90.0%	TRUE	UBOJSE-CE000146
09/01/2020 20:52:00	krushnadethe28@gmail.com	DETHE KRUSHNA VIJAY	DR. PANJABRAO DESHMUKH KRISHI VIDYAPEETH, AKOLA	Student	54	90.0%	TRUE	UBOJSE-CE000147
09/01/2020 21:05:52	vilasparate.ps@rediffmail.com	Vilas keshorao parate	Rashtriya sharirik shikshan mahavidyalay , visapur ta. Ballahrpur dist chandrapur	Student	30	50.0%	TRUE	UBOJSE-CE000148
09/01/2020 21:08:23	sshahuna900@gmail.com	Ms. Farha	Al-barkaat Institute of Education, Aligarh	Teacher	56	93.3%	TRUE	UBOJSE-CE000149
09/01/2020 21:17:37	drjyotinverma.99@gmail.com	Dr. jyoti verma	Bundelkhand digree college jhansi	Teacher	48	80.0%	TRUE	UBOJSE-CE000150
09/01/2020 21:28:56	rahulchaudhari02017@gmail.com	Rahul Anil Chaudhari	Pune University	Student	26	43.3%	TRUE	UBOJSE-CE000151
09/01/2020 21:34:39	dineshrkhadse@gmaile.com	Dinesh	Amravati	Student	42	70.0%	TRUE	UBOJSE-CE000152
09/01/2020 21:46:33	priyankaragit00@gmail.com	Priyanka Arun Ragit	Rashtriya Sharirik Shikshan Mahavidyalaya, Visapur	Student	52	86.7%	TRUE	UBOJSE-CE000153
09/01/2020 21:48:10	sandippawarkothari@gmail.com	Sandip Madhukar Pawar	SHRI SARASWATI SAMAJKARYA MAHAVIDYALAY WASHIM	Student	26	43.3%	TRUE	UBOJSE-CE000154

0 22:08:54		BADGE	BADNERA					36
09/01/2020 22:01:08	atifatif1978@gmail.com	Mr. USMAN ATIF	Al-Barkaat Institute of Education, Aligarh	Teacher	60	100.0 %	TRUE	UBOJSE-CE0001 37
09/01/2020 21:51:50	asmaureed@gmail.com	Ms. Asma Khan	Al- Barkaat Institute of Education., Aligarh	Teacher	60	100.0 %	TRUE	UBOJSE-CE0001 38
09/01/2020 21:48:10	sandippawarkothari@gmail.com	Sandip Madhukar Pawar	SHRI SARASWATI SAMAJKARYA MAHAVIDYALAY WASHIM	Student	26	43.3%	TRUE	UBOJSE-CE0001 39
09/01/2020 21:46:33	priyankaragit00@gmail.com	Priyanka Arun Ragit	Rashtriya Sharirik Shikshan Mahavidyalaya, Visapur	Student	52	86.7%	TRUE	UBOJSE-CE0001 40
09/01/2020 21:34:39	dineshrkhadse@gmaile.com	Dinesh	Amravati	Student	42	70.0%	TRUE	UBOJSE-CE0001 41
09/01/2020 21:28:56	rahulchaudhari02017@gmail.com	Rahul Anil Chaudhari	Pune University	Student	26	43.3%	TRUE	UBOJSE-CE0001 42
09/01/2020 21:08:23	sshahuna900@gmail.com	Ms. Farha	Al-barkaat Institute of Education, Aligarh	Teacher	56	93.3%	TRUE	UBOJSE-CE0001 43
09/01/2020 21:17:37	drjyotinverma.99@gmail.com	Dr. jyoti verma	Bundelkhand digree college jhansi	Teacher	48	80.0%	TRUE	UBOJSE-CE0001 44
09/01/2020 21:05:52	vilasparate.ps@rediffmail.com	Vilas keshorao parate	Rashtriya sharirik shikshan mahavidyalay , visapur ta. Ballahrpur dist	Student	30	50.0%	TRUE	UBOJSE-CE0001 45

0 21:28:56								27
09/01/2020 21:34:39	dineshrkhadse@gmaile.com	Dinesh	Amravati	Student	42	70.0%	TRUE	UBOJSE-CE0001 28
09/01/2020 21:46:33	priyankaragit00@gmail.com	Priyanka Arun Ragit	Rashtriya Sharirik Shikshan Mahavidyalaya, Visapur	Student	52	86.7%	TRUE	UBOJSE-CE0001 29
09/01/2020 21:48:10	sandippawarkothari@gmail.com	Sandip Madhukar Pawar	SHRI SARASWATI SAMAJKARYA MAHAVIDYALAY WASHIM	Student	26	43.3%	TRUE	UBOJSE-CE0001 30
09/01/2020 21:51:50	asmaureed@gmail.com	Ms. Asma Khan	Al- Barkaat Institute of Education., Aligarh	Teacher	60	100.0 %	TRUE	UBOJSE-CE0001 31
09/01/2020 22:01:08	atifatif1978@gmail.com	Mr. USMAN ATIF	Al-Barkaat Institute of Education, Aligarh	Teacher	60	100.0 %	TRUE	UBOJSE-CE0001 32
09/01/2020 22:08:54	sanghrakshak1212@gmail.com	SANGHRAKSHAK PRAKASH BADGE	ARTS COLLEGE BADNERA	Student	48	80.0%	TRUE	UBOJSE-CE0001 33
09/01/2020 22:09:18	nagepratiksha0@gmail.com	Pratiksha ravindra nage	Shri Shivaji science college amravati	Student	20	33.3%	FALSE	
09/01/2020 23:16:04	bhartipshende@07gmail.com	Bharti pradeep Shende	Kinder garten school	Teacher	40	66.7%	TRUE	UBOJSE-CE0001 34
09/01/2020 23:16:04	bhartipshende@07gmail.com	Bharti pradeep Shende	Kinder garten school	Teacher	40	66.7%	TRUE	UBOJSE-CE0001 35
09/01/202	sanghrakshak1212@gmail.com	SANGHRAKSHAK PRAKASH	ARTS COLLEGE	Student	48	80.0%	TRUE	UBOJSE-CE0001

0 20:32:32			bundelkhand university jhansi					18
09/01/2020 20:34:51	Larenshkumar22220@gmail.com	DR. LARENSH KUMAR BOUDHA	GOVERNMENT COLLEGE CHINOR DISH GWALIOR M.P.	Teacher	50	83.3%	TRUE	UBOJSE-CE000119
09/01/2020 20:35:05	anirudhagoyal.ag@gmail.com	ANIRUDHA GOYAL	BUNDELKHAND DEGREE COLLEGE JHANSI	Teacher	56	93.3%	TRUE	UBOJSE-CE000120
09/01/2020 20:38:53	shitalborkar0401@gmail.com	Shital sewakram Borkar	Rashtiy sharirik shiksha Mahavidyaly	Student	56	93.3%	TRUE	UBOJSE-CE000121
09/01/2020 20:39:18	agatayc@gmail.com	Pankaj Harishchandra Chavhan	Nehru College Ner	Teacher	18	30.0%	FALSE	
09/01/2020 20:39:25	iqbalyusufansari@gmail.com	Mohammed Iqbal yusuf ansari	Feroze Gandhi College, Raebareli	Teacher	46	76.7%	TRUE	UBOJSE-CE000122
09/01/2020 20:52:00	krushnadethe28@gmail.com	DETHE KRUSHNA VIJAY	DR. PANJABRAO DESHMUKH KRISHI VIDYAPEETH, AKOLA	Student	54	90.0%	TRUE	UBOJSE-CE000123
09/01/2020 21:05:52	vilasparate.ps@rediffmail.com	Vilas keshorao parate	Rashtriya sharirik shikshan mahavidyalay , visapur ta. Ballahrpur dist chandrapur	Student	30	50.0%	TRUE	UBOJSE-CE000124
09/01/2020 21:08:23	sshahuna900@gmail.com	Ms. Farha	Al-barkaat Institute of Education, Aligarh	Teacher	56	93.3%	TRUE	UBOJSE-CE000125
09/01/2020 21:17:37	drjyotinverma.99@gmail.com	Dr. jyoti verma	Bundelkhand digree college jhansi	Teacher	48	80.0%	TRUE	UBOJSE-CE000126
09/01/202	rahulchaudhari02017@gmail.com	Rahul Anil Chaudhari	Pune University	Student	26	43.3%	TRUE	UBOJSE-CE0001

09/01/2020 19:30:35	dnyaneshsir@gmail.com	MR.GAIKWAD DNYANESHWAR RAMDAS	ZPUPS CHARNER TA.SILLOD DIST.AURANGABAD	Teacher	38	63.3%	TRUE	UBOJSE-CE000110
09/01/2020 19:35:47	fakirarajguru36@gmail.com	Mr.RAJGURU FAKIRA BHAGWAN	Z.P.M.U.P.SCHOOL MOHANA BK	Teacher	50	83.3%	TRUE	UBOJSE-CE000111
09/01/2020 19:39:39	vikramdakhole@gmail.com	Sangram anilrao dakhole	RASHTRIYA SHARIRIK SHIKSHAN MAHAVIDYALAY, VISAPUR,	Student	60	100.0 %	TRUE	UBOJSE-CE000112
09/01/2020 19:40:18	DEVARAMDHAKA1997@GMAIL.COM	DEVA RAM DHAKA	Kuchaman Education Kuchaman City (Nagaur)	Student	58	96.7%	TRUE	UBOJSE-CE000113
09/01/2020 19:42:28	suryakantthakur256@gmail.com	SURYAKANT ATMARAM THAKUR	MPASC College panvel	Other	20	33.3%	FALSE	
09/01/2020 19:50:08	mohdnasirksj@gmail.com	Mohd Nasir	Al Barkaat Institute of Education, Aligarh	Student	40	66.7%	TRUE	UBOJSE-CE000114
09/01/2020 20:07:45	ssdadhe@gmail.com	Dr. Subhash S. Dadhe	Dhanwate National College, Nagpur	Teacher	60	100.0 %	TRUE	UBOJSE-CE000115
09/01/2020 20:08:16	patilmonali492@gmail.com	Monali Vijay Patil	Nashik	Student	20	33.3%	FALSE	
09/01/2020 20:21:50	hemantkale20@gmail.com	Hemant Kautik Kale	Government Ashram School Dalwat Kalwan Nashik	Teacher	36	60.0%	TRUE	UBOJSE-CE000116
09/01/2020 20:23:49	gayatriholey8@gmail.com	Gayatri Diliprao Holey	Shri. Shivaji Science College, Amravati	Student	44	73.3%	TRUE	UBOJSE-CE000117
09/01/202	pp545935@gmail.com	Pinki	Institute of education	Student	50	83.3%	TRUE	UBOJSE-CE0001

19:06:02								
09/01/2020 19:08:09	asmita.dolas@mgsnagpur.org	Asmita Dolas	School of scholars	Teacher	40	66.7%	TRUE	UBOJSE-CE000103
09/01/2020 19:19:07	yogitabhagat9595@gmail.com	Yogita sewakram borkar	RSSM Visapur chandrapur	Student	58	96.7%	TRUE	UBOJSE-CE000104
09/01/2020 19:21:59	mamtasakta@gmail.com	Dr. Mamta Sakta	Pestle Weed College of Information Technology Dehradun Uttarakhand	Teacher	40	66.7%	TRUE	UBOJSE-CE000105
09/01/2020 19:22:05	sumermeghwal8@gmail.com	SUMER MEGHWAL	Rashtriya Sharirik Shikhan Mahavidhalay Visapur Chandrpur(Maharashtra)	Student	54	90.0%	TRUE	UBOJSE-CE000105
09/01/2020 19:22:41	richajadaun15@gmail.com	Richa jadaun	DAVV,indore	Student	60	100.0%	TRUE	UBOJSE-CE000106
09/01/2020 19:27:13	sureshingle666@gmail.com	Suresh Kisanrao Ingle	Nehru Mahavidyalaya, Nerparsopant. Dist. Yavatmal.	Teacher	40	66.7%	TRUE	UBOJSE-CE000107
09/01/2020 19:27:52	shitalborkar0401@gmail.com	Shital Sewakram borkar	Rashtriya Sharirik shiksha mahawidyalay	Student	60	100.0%	TRUE	UBOJSE-CE000108
09/01/2020 19:29:47	bharat.salampure@gmail.com	Dr.BHARATSING ASARAM SALAMPURE	Dagdojirao deshmukh arts sci com college walunj aurangabad	Teacher	22	36.7%	FALSE	
09/01/2020 19:29:33	sheetalw20@gmail.com	Miss Sheetal Babanrao Vidhate	Department of Education, Sant Gadge Baba Amravati University	Teacher	42	70.0%	TRUE	UBOJSE-CE000109

09/01/2020 18:16:09	rinarajput8888@gmail.com	Reena rajedraprasad bisnoi	R.s.s.n	Student	52	86.7%	TRUE	UBOJSE-CE000093
09/01/2020 18:19:53	surajparsutkar93@gmail.com	Mr. Suraj Banduji Parsutkar	Bajaj Vidya Bhavan, Chandrapur	Teacher	60	100.0%	TRUE	UBOJSE-CE000094
09/01/2020 18:30:12	drchanchalkumari@gmail.com	Dr CHANCHAL KUMARI	PG Department of Psychology, Kolhan University, Chaibasa, Jharkhand	Other	26	43.3%	TRUE	UBOJSE-CE000095
09/01/2020 18:30:39	abhilashpgattarabanda@gmail.com	Poonam	GHS Bamhauri Suhagee	Teacher	24	40.0%	TRUE	UBOJSE-CE000096
09/01/2020 18:32:05	sonalrangari3@gmail.com	Sonal Kantilal Rangari	Arts College Badnera	Teacher	34	56.7%	TRUE	UBOJSE-CE000097
09/01/2020 18:43:47	dr.bsboudha1999@gmail.com	DR BRIJENDRA SINGH BOUDHA	Bundelkhand degree college jhansi UP	Teacher	46	76.7%	TRUE	UBOJSE-CE000098
09/01/2020 18:45:31	nandiniwagh2012@gmail.com	Dr. Nandini Pandurang Wagh	Pankaj Arts and Science College Chopda Dist-Jalgaon	Teacher	42	70.0%	TRUE	UBOJSE-CE000099
09/01/2020 18:46:26	hanumanbajiyamkn@gmail.com	Hanuman Bajiya	Rashtriya Sahririk Shikshan Mahavidhalay Visapur Chandrpur Maharashtra	Student	46	76.7%	TRUE	UBOJSE-CE000100
09/01/2020 18:55:13	meghaambekar0001@gmail.com	Megha Lomesh ambekar	Sardar patel college chandrapur	Student	58	96.7%	TRUE	UBOJSE-CE000101
09/01/2020	gawaliab7@gmail.com	Abhishek Jayhari Gawali	Shri Shivaji Science College, Amravati	Student	34	56.7%	TRUE	UBOJSE-CE000102

17:23:36			visapur					
09/01/2020 17:28:47	rakeshthawari108@gmail.com	Rakesh Bhaurao Thawari	Rashtriya sharirik shikshan mahavidyalaya visapur tah.balharsha dist.chandrapur	Student	60	100.0 %	TRUE	UBOJSE-CE000084
09/01/2020 17:42:13	anitanant_5@rediffmail.com	Dr Anita Motiramji Malge	Rajaram college kolhapur	Teacher	50	83.3%	TRUE	UBOJSE-CE000085
09/01/2020 17:42:31	dg63sontakkey@gmail.com	DR. D. G. SONTAKKEY	VASANTRAO NAIK GOVERNMENT INSTITUTE OF ARTS AND SOCIAL SCIENCES, NAGPUR	Teacher	48	80.0%	TRUE	UBOJSE-CE000086
09/01/2020 17:52:54	kamalbhange2019@gmail.com	Kamal Sandeep Bhange	Beginner English school Hiwarkhed	Teacher	52	86.7%	TRUE	UBOJSE-CE000087
09/01/2020 17:58:43	varshaghate98@gmail.com	Varsha Tulshiram Petkar	Rashtriya Sharirik Shikshan Mahavidyalaya Visapur	Other	60	100.0 %	TRUE	UBOJSE-CE000088
09/01/2020 18:01:05	vinod.bayaskar17@gmail.com	Dr. Vinod Vitthalrao Bayaskar	Nanibai College Of Education, Amravati	Teacher	52	86.7%	TRUE	UBOJSE-CE000089
09/01/2020 18:01:21	monikakhandare30@gmail.com	Monika Hanuman Khandare	Rk material and art school	Student	60	100.0 %	TRUE	UBOJSE-CE000090
09/01/2020 18:01:39	sonurathode44@gmail.com	Sonu ramkisan rathod	RK institutaton	Student	58	96.7%	TRUE	UBOJSE-CE000091
09/01/2020 18:12:24	kuldeep.spm83@gmail.com	KULDEEP RAJKISHOR GOND	Sardar Patel Mahavidyalaya, Chandrapur	Teacher	58	96.7%	TRUE	UBOJSE-CE000092

16:58:49								
09/01/2020 17:04:43	mayurbonampalliwar@gmail.com	Mayur Vilas Bonampalliwar	Raahtriya Sharirik Shikshan Mahavidyalaya Visapur Tah Ballarpur Dist Chandrapur	Student	60	100.0 %	TRUE	UBOJSE-CE000077
09/01/2020 17:08:16	gowardhanwankhede1968@gmail.com	Gowardhan Yadorao Wankhede	R S Mundle Dharampeth Art and Commerce College North Ambazari Road Nagpur Maharashtra	Teacher	44	73.3%	TRUE	UBOJSE-CE000078
09/01/2020 17:10:23	srsunilrathod30@gmail.com	श्री.सुनील काशिराम राठोड	उदेशवर उच्च माध्यमिक विद्यालय सावरगाव ता.देवनी जि.लातुर	Teacher	16	26.7%	FALSE	
09/01/2020 17:14:11	iikhalakpathan26@geml.com	Ikhalak	ikhalak Rasul Pathan	Student	54	90.0%	TRUE	UBOJSE-CE000079
09/01/2020 17:15:35	nehabaseshankar@gmail.com	Neha prakash baseshankar	Raahtriya Sharirik Shikshan Mahavidyalaya Visapur Tah. Ballarpur Dist. Chandrapur	Student	58	96.7%	TRUE	UBOJSE-CE000080
09/01/2020 17:18:40	sujatashende9@gmail.com	Dr Sujata Haribhau Shende	Shivramji Moghe Mahavidhyalaya pandharkawada	Teacher	40	66.7%	TRUE	UBOJSE-CE000081
09/01/2020 17:20:59	tanmaytodase750@gmail.com	Tanmay Rajesh Todase	Rashtriya Sharirik Shikshan Mahavidyalaya Visapur Tah. Ballarpur Dist Chandrapur	Student	52	86.7%	TRUE	UBOJSE-CE000082
09/01/2020	prafulmeshram0303@gmail.com	Praful Arvind Meshram	Rastiya sharirik shikashan mahavidya	Student	60	100.0 %	TRUE	UBOJSE-CE000083

09/01/2020 16:38:27	prafullvarale@gmail.com	Dr.prafull prakash varale	Madhukarrao pawar Arts college Murtizapur dist Akola	Teacher	30	50.0%	TRUE	UBOJSE-CE00000 68
09/01/2020 16:42:18	ramravidas303@gmail.com	Ramnarayan J Ravidas	Rashtriya sharirik shikshan Mahavidyalaya Vishapur dist ..chandrapur	Student	54	90.0%	TRUE	UBOJSE-CE00000 69
09/01/2020 16:43:46	shrutighate1605@gmail.com	SHRUTI VINOD GHATE	FES GIRLS JUNIOR COLLEGE	Student	60	100.0 %	TRUE	UBOJSE-CE00000 70
09/01/2020 16:44:57	bandudohe91@gmail.com	Mr. Bandu Mahadev Dohe	Rashtriya Sharirik Shikshan Mahavidyalayya Visapur Tah. Ballarpur Dist. Chandrapur	Other	60	100.0 %	TRUE	UBOJSE-CE00000 71
09/01/2020 16:45:57	anjudp1996@gmail.com	Anju	Raahtriya sharirik shikhan mahawdyalaya visapur tah. Ballarpur dist. Chandrapur	Student	52	86.7%	TRUE	UBOJSE-CE00000 72
09/01/2020 16:52:41	takvaishnavi111@gmail.com	Sanjaya Anil Tak	Mahatma Fule Highschool , Hiwarkhed Tq ...Morshi Dist...Amravati	Teacher	52	86.7%	TRUE	UBOJSE-CE00000 73
09/01/2020 16:56:45	ruchitaambekar03@gmail.com	Ruchita Sanjeev Ambekar	Rashtriya sharirik shikshan mahavidyalaya visapur	Student	58	96.7%	TRUE	UBOJSE-CE00000 74
09/01/2020 16:56:46	mahajanashish327@gmail.com	Ashish Chandrakant Mahajan	P R Pote College Of Engineering And Management Amravati	Student	56	93.3%	TRUE	UBOJSE-CE00000 75
09/01/2020	vaidyapress@gmail.com	devanand vaidya vvaidyaishakhs	devanand vaidya	Teacher	38	63.3%	TRUE	UBOJSE-CE00000 76

09/01/2020 15:51:26	baraskarharidas@gmail.com	Dr.Baraskar Haridas Kanifnath	Shri Shivaji Mahavidyalaya,Barshi. Dist Solapur	Teacher	56	93.3%	TRUE	UBOJSE-CE00000 58
09/01/2020 15:57:28	p7pawan@gmail.com	Pawan V Khanke	SSD Wardha	Teacher	40	66.7%	TRUE	UBOJSE-CE00000 59
09/01/2020 16:06:48	rameshwarprakashraonage@gmail.com	Mr. Rameshwar Prakashrao Nage	St. Xavier's Cathedral School CBSE Amravati	Teacher	40	66.7%	TRUE	UBOJSE-CE00000 60
09/01/2020 16:07:11	pratikshagade2020@gmail.com	Pratiksha Kishor Gade	Shri Shivaji Science College, Amravati	Student	50	83.3%	TRUE	UBOJSE-CE00000 61
09/01/2020 16:08:14	nikhilpotdekhe@gmail.com	Nikhil K Potdukhe	Chintamanu Wardha	Student	46	76.7%	TRUE	UBOJSE-CE00000 62
09/01/2020 16:11:07	purva.kherkar@gmail.com	PURVA GANESHRAO KHERKAR	RSSM Visapur Chandrapur	Teacher	48	80.0%	TRUE	UBOJSE-CE00000 63
09/01/2020 16:17:00	tulsioptimae2@gmail.com	TULSI CHANDRASHEKHAR CHAUDHARI	Ashirvad High School, Nagpur	Student	54	90.0%	TRUE	UBOJSE-CE00000 64
09/01/2020 16:17:01	vickyspetkar16@gmail.com	Prof. Vicky Tulshiram Petkar	Rashtriya Sharirik Shikshan Mahavidyalaya Visapur Tah. Ballarpur Dist. Chandrapur	Teacher	60	100.0 %	TRUE	UBOJSE-CE00000 65
09/01/2020 16:20:48	vaishnavipachpor6649@gmail.com	Vaishnavi kailasrao pachpor	Shri Shivaji science College amravati	Student	42	70.0%	TRUE	UBOJSE-CE00000 66
09/01/2020 16:25:11	shekharbk8040@gmail.com	Dr. Chandrashekhar Popat Chaudhari	Institute of Science, Nagpur	Teacher	60	100.0 %	TRUE	UBOJSE-CE00000 67

09/01/2020 15:28:49	pranav.dandale@podar.org	Pranav Mohanrao Dandale	SGBAU	Teacher	50	83.3%	TRUE	UBOJSE-CE00000 50
09/01/2020 15:35:34	rupesh.rupwate21@gmail.com	Prof. Rupesh Vasant Rupwate	ASM's College of Commerce, Science & Information Technology, Pimpri, Pune	Teacher	56	93.3%	TRUE	UBOJSE-CE00000 51
09/01/2020 15:36:26	mrunalramteke09@gmail.com	Mrunal Diliprao Ramteke	Shri shivaji science college amravati	Student	46	76.7%	TRUE	UBOJSE-CE00000 52
09/01/2020 15:38:33	jyotikaleakl1617@gmail.com	Jyoti kale	Shri shivaji college Akola	Other	50	83.3%	TRUE	UBOJSE-CE00000 53
09/01/2020 15:39:14	sonaliharne1988@gmail.com	Miss Sonali Shridharrao Harne	St Xavier's Cathedral School CBSE Amravati	Teacher	46	76.7%	TRUE	UBOJSE-CE00000 54
09/01/2020 15:39:18	ngayakwad789@gmail.com	kavita R gadbail	rastra shanth tukdoji maharaj nagpur university	Student	42	70.0%	TRUE	UBOJSE-CE00000 54
09/01/2020 15:39:20	rssm@gmail.com	Mr. Dilip Ramteke	Patel School Wardha	Student	24	40.0%	TRUE	UBOJSE-CE00000 55
09/01/2020 15:45:52	sanjay.kale@yahoo.co.in	Sanjay Keshavrao Kale	Shri Shivaji college of Art's, Commerce & Science, Akola	Teacher	58	96.7%	TRUE	UBOJSE-CE00000 55
09/01/2020 15:45:54	shraddhawerulkar12@gmail.com	Shraddha Vilasrao Werulkar	Shri Shivaji science college Amravati	Student	44	73.3%	TRUE	UBOJSE-CE00000 56
09/01/2020 15:46:14	singhagym@gmail.com	Mr. Ajoy Singha	Degree College of Physical Education	Other	38	63.3%	TRUE	UBOJSE-CE00000 57

0 14:40:30			English Medium School Navi Mumbai					40
09/01/2020 14:40:51	ramtekepw@gmail.com	Dr.purushottam warlu ramteke	Chishtiya college of art science khuldabad dist Aurangabad Maharashtra India	Teacher	32	53.3%	TRUE	UBOJSE-CE00000 41
09/01/2020 14:41:40	mahajany11@gmail.com	Yashwant Gajanan Mahajan	Kces college of education and Physical Education, Jalgaon	Student	46	76.7%	TRUE	UBOJSE-CE00000 42
09/01/2020 14:46:54	washimkudo@gmail.com	Ku Shalimar Ranjit Kathade	washim	Student	58	96.7%	TRUE	UBOJSE-CE00000 43
09/01/2020 14:49:18	padolepraful76@gmail.com	Praful Rameshrao Padole	Wamanraoji Mankar High school Khamli katol	Teacher	36	60.0%	TRUE	UBOJSE-CE00000 44
09/01/2020 14:55:21	banubakodebhagyashri@gmail.com	bhagyashribanubakode@gmil.com	Sant gadge baba amravati University	Other	30	50.0%	TRUE	UBOJSE-CE00000 45
09/01/2020 15:03:08	kranjitbigb@gmail.com	Ranjit v. Kathade	Happy Faces School Washim	Teacher	60	100.0 %	TRUE	UBOJSE-CE00000 46
09/01/2020 15:03:26	nishisadaphule11121984@gmail.com	Nishikant Maroti Sadaphule	Dayanand Science college latur	Teacher	46	76.7%	TRUE	UBOJSE-CE00000 47
09/01/2020 15:04:08	deshmukhseema217@gmail.com	Dr.Seema Vinodrao Deshmukh	Smt.S.R.Mohata Mahila Mahavidyalaya Khamgaon Dist-Buldhana	Teacher	40	66.7%	TRUE	UBOJSE-CE00000 48
09/01/2020 15:22:54	tinaverma20@rediffmail.com	Tina Sunny Verma	Shrikrishna Sharirik Shikshan Mahavidhyalay Wardha	Student	42	70.0%	TRUE	UBOJSE-CE00000 49

09/01/2020 13:57:45	dpsukhwinder51@gmail.com	Mr. Sukhwinder	Sri Guru Harkrishan Sen.sec Public School Mallianwal (GSP)	Teacher	40	66.7%	TRUE	UBOJSE-CE00000 30
09/01/2020 14:04:38	vishakha.a.joshi@gmail.com	Vishakha Aniruddha Joshi	Bhavan's Lloyds Vidya Niketan, Wardha	Teacher	44	73.3%	TRUE	UBOJSE-CE00000 31
09/01/2020 14:06:50	inspirehockey@gmail.com	Dr. Madhuri Y. Kopulwar	Adarsha Science J.B. Arts & Birla Commerce Mahavidyalaya , Dhamangaon Rly	Teacher	50	83.3%	TRUE	UBOJSE-CE00000 32
09/01/2020 14:14:41	kartikiingole1998@gmail.com	Kartiki Anantrao Ingole	Shri Shivaji Science CLG, Amravati	Student	42	70.0%	TRUE	UBOJSE-CE00000 33
09/01/2020 14:24:12	pnhumbad@gmail.com	Dr. Pramod N Humbad	MES Arts and Commerce College Mehkar Dist-Buldhana	Teacher	38	63.3%	TRUE	UBOJSE-CE00000 34
09/01/2020 14:31:27	arunabharay19@gmail.com	Dr. Arunabha Ray	Shri Govindprabhu Arts and commerce y, Talodhi	Teacher	40	66.7%	TRUE	UBOJSE-CE00000 35
09/01/2020 14:33:05	arunbau@gmail.com	Arun Mishra	Sant Gajanan Cricket Acedamy	Other	36	60.0%	TRUE	UBOJSE-CE00000 36
09/01/2020 14:33:22	r.r.gawhale@gmail.com	Mr. Rajesh Rameshrao Gawhale	B.S.Patil College Padatwada , Amravati.	Student	48	80.0%	TRUE	UBOJSE-CE00000 37
09/01/2020 14:34:25	nileshful123@gmail.com	NILESHFULAMBARKAR	TITANS' PUBLIC SCHOOL	Teacher	32	53.3%	TRUE	UBOJSE-CE00000 38
09/01/2020 14:37:20	shreyapande02@gmail.com	Shreya Nitin Pande	Shri Shivaji science College, Amravati	Student	44	73.3%	TRUE	UBOJSE-CE00000 39
09/01/202	avienash.mandake@gmail.com	Avinash Vasantrao Mandake	Bharati Vidyapeeth	Teacher	46	76.7%	TRUE	UBOJSE-CE00000

13:26:40								
09/01/2020 13:30:35	vaishnaviband2000@gmail.com	Vaishnavi pradip band	Shri Shivaji Science College, Amravati	Student	44	73.3%	TRUE	UBOJSE-CE00000 20
09/01/2020 13:33:55	idishfaq630@gmail.com	ISHFAQ AHMAD SHEIKH	HVPM DCPE	Student	42	70.0%	TRUE	UBOJSE-CE00000 21
09/01/2020 13:34:55	bebidigraskar@gmail.com	Bebi Sanjay Digraskar	R k institute	Student	32	53.3%	TRUE	UBOJSE-CE00000 22
09/01/2020 13:40:57	adjadhao20@gmail.com	Dr. A. D. Jadhao	B. B. Arts N B Commerce and B P Science College Digras	Teacher	30	50.0%	TRUE	UBOJSE-CE00000 23
09/01/2020 13:41:04	ips.noor@gmail.com	Mr. Noor Ahmad Khan	Athlete Academy	Teacher	38	63.3%	TRUE	UBOJSE-CE00000 24
09/01/2020 13:41:14	tembhurne277@gmail.com	Dr. Ravindra Bhaurao Tembhurne	Spm Science & Gilani Arts Commerce College Ghatanji Dist. Yavatmal	Teacher	28	46.7%	TRUE	UBOJSE-CE00000 25
09/01/2020 13:44:58	psushama777@gmail.com	Prof Sushama Vilasrao Jadhav Patil	Warna Mhavidhyayala Aitwde kh	Teacher	26	43.3%	TRUE	UBOJSE-CE00000 26
09/01/2020 13:45:17	pranavhade22@gmail.com	PRANAV DILIP HADE	Shri Shivaji art's & commerce College amravati	Other	42	70.0%	TRUE	UBOJSE-CE00000 27
09/01/2020 13:46:15	snlohakpure@gmail.com	Dr.Sangita Nilkanth Lohakpure	Shri Dhabeker kala Mahavidhyalay Khadki Akola	Teacher	34	56.7%	TRUE	UBOJSE-CE00000 28
09/01/2020 13:47:09	aarti08ekadpatil@gmail.com	Mrs.Aarti Vaibhav Ekadpatil	Anekant English medium school.Baramati.	Teacher	46	76.7%	TRUE	UBOJSE-CE00000 29

09/01/2020 13:03:02	clevemu23@gmail.com	CLEVERSON SYIEMLIEH	SHILLONG COLLEGE, SHILLONG	Teacher	42	70.0%	TRUE	UBOJSE-CE000009
09/01/2020 13:03:45	vedangishirbhate292001@gmail.com	Vedangi Deepakrao Shirbhate	Shri Shivaji Science College Amravati	Student	44	73.3%	TRUE	UBOJSE-CE000010
09/01/2020 13:04:35	shekharvirulkar8@gmail.com	Shekhar virulkar	Shri shivaji science college,amravati	Other	48	80.0%	TRUE	UBOJSE-CE000011
09/01/2020 13:05:21	harshalbhunte99@gmail.com	Jaya	Mahatma fule high school hiwarkhed	Student	34	56.7%	TRUE	UBOJSE-CE000012
09/01/2020 13:08:41	pratikpathare1994@gmail.com	Pratik Sunilrao Pathare	Degree College of Physical Education, Amravati	Teacher	50	83.3%	TRUE	UBOJSE-CE000013
09/01/2020 13:10:01	sports.karad@podar.org	Amol Ashok Palekar	PIS, Karad	Teacher	44	73.3%	TRUE	UBOJSE-CE000014
09/01/2020 13:11:21	sameersingh.chavhan@podar.org	Sameersingh Pradeepsingh Chavhan	Podar International school, Chakan	Teacher	40	66.7%	TRUE	UBOJSE-CE000015
09/01/2020 13:15:53	abhilashabajpai34352@gmail.com	Abhilasha bajpai	DCPE, Hvpm Amravati Maharashtra	Student	42	70.0%	TRUE	UBOJSE-CE000016
09/01/2020 13:25:09	sandipsemilo@gmail.com	Sandip Mandale	Degree College of Physical Education,Amaravati	Teacher	54	90.0%	TRUE	UBOJSE-CE000017
09/01/2020 13:25:40	vnshinde007@gmail.com	Dr.Vishal Nilkanthrao Shinde	Nilmanthrao shinde science & Arts College, Bhadrawati	Teacher	36	60.0%	TRUE	UBOJSE-CE000018
09/01/2020	nirajndaf@gmail.com	NIRAJ DAF	ND SPORTS Foundation	Teacher	42	70.0%	TRUE	UBOJSE-CE000019

0 23:08:47								04
09/03/2020 12:27:13	nikitayadav20010906@gmail.com	Nikita yadav	School of physical education DAVV Indore	Student	60	100.0 %	TRUE	UBOJSE-CE000205

Yoga and meditation certificat course (2020-21)
Record of pass students and certificat

Timestamp	Email	Full Name	Other Identifier	Other Identifier 2	Total Score	Percent Score	Passed ?	Certificate ID
09/01/2020 0:40:18	abhijitingole7@gmail.com	Abhijit Hemant Ingole	Other	G.V.I.S.H. Amravati	58	96.7%	TRUE	UBOJSE-CE000001
09/01/2020 0:53:52	rupaliatone@gmail.com	Dr.Rupali Abhijit Ingole	Teacher	shri shivaji science college amravati	40	66.7%	TRUE	UBOJSE-CE000002
09/01/2020 1:05:16	rupaliatone@gmail.com	Dr.Rupali Abhijit Ingole	shri shivaji science college amravati	Teacher	46	76.7%	TRUE	UBOJSE-CE000003
09/01/2020 1:11:49	abhijitingole7@gmail.com	Dr.Abhijit Hemant Ingole	G.V.I.S.H. Amravati	Other	54	90.0%	TRUE	UBOJSE-CE000004
09/01/2020 1:31:31	rupaliatone@gmail.com	Dr.Rupali Abhijit Ingole	Shri Shivaji Science College Amravati	Teacher	46	76.7%	TRUE	UBOJSE-CE000005
09/01/2020 12:34:16	rupaliatone@gmail.com	Dr.Rupali Abhijit Ingole	Shri Shivaji Science College Amravati	Teacher	48	80.0%	TRUE	UBOJSE-CE000006
09/01/2020 12:55:20	mambuactiva4544@gmail.com	Dr Madhavi Mardikar	Institute Of Science Nagpur	Teacher	48	80.0%	TRUE	UBOJSE-CE000007
09/01/2020 12:57:35	shoaibfc5081@gmail.com	Shoaib Ahmed	Indo Public School Amravati	Teacher	44	73.3%	TRUE	UBOJSE-CE000008

Summary Report and Outcome

Yoga and Meditation Online Certificate Course

Report Session 2020-21

Summary and Outcome of Course

Summary

Like last year, this year in the session 2020-21, Online Yoga and Meditation certificate course was taken by the Department of Physical Education and Sports. The duration of this course was 30 days and the course was 3rd August 2020 to 1suptember 2021 successfully run in the college in which a total of 432 students registered their participation.

The yoga and meditation gives us relief from various disorders and making every ones healthy physical and mental situation through the main objective of the course. The students of yoga course learn breathing techniques and mental health through meditation .It was to help keep it good. During this yoga and meditation course, there are 5 experts of yoga from various place were helpful in completing the course. all session was taken by the online mod with the help of our departmental you tube canal shivaji science sports .every day we were uploading experts video related to topic on our you tube canal and PDF document too for literature of course . every day we were took feedback for any query . every week we were taken exam session and on Sunday of course we call for any question regarding course and experts were answer . at end of course we took practical and theory exam too . for practical we ask for students video along with exam .

The Yoga and Meditation course consisted of 5 modules including 1. Yogic Therapy Traditional UnderstandingClosures and Mudras 2. 37 Types 3. of Asanas Ten Types of Pranayama 4. Four Types of 5. Seven Types of Activities written have been through 100 questions the same objective with marks 100 marks were demonstrated by all students necessarily certificate by assessing the time to test the course in the morning and evening for five to seven sadeatha 05:45. Was taken to In this certificate course, various yoga teachers also visited online and tried to impart the best knowledge about yoga to all the students.

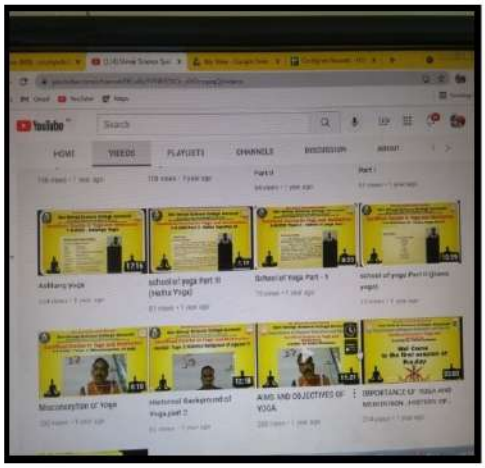
The students were provided with the literature material of the course as well as demonstration videos. The certificate course of Yoga and Meditation will definitely be useful

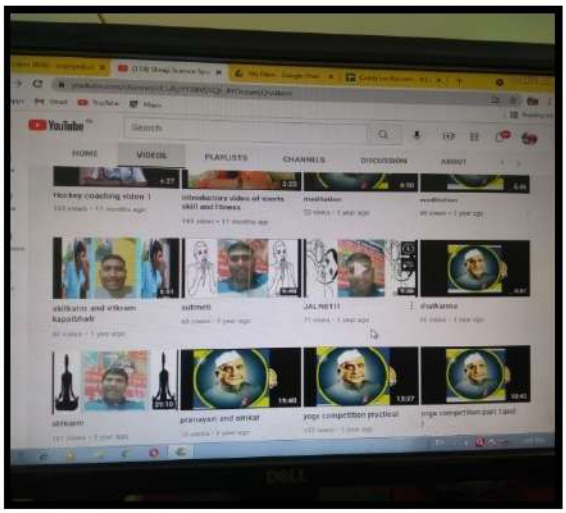
for the students in their daily life in the fixture. The students testified to keep themselves healthy by practicing yoga after these chairs.

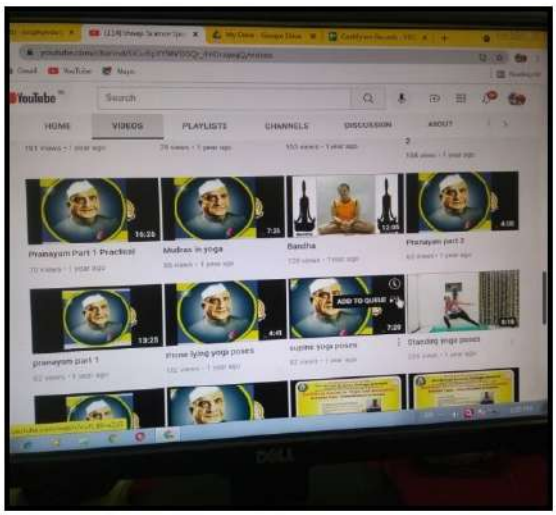
Out come

1. Through these courses, the students got proper and definite information about yoga and meditation.
2. After completing yoga and meditation courses, students were able to learn yoga and meditation through various techniques.
3. All the participants in the yoga and meditation chairs w'ere able to use the best relaxation technique through yoga and meditation.
4. This course was very useful for maintaining good mental and physicalhealth.
5. After completing yoga and meditation courses, some student's w'ere able to find employment as yoga trainers.
6. Many students were helped to overcome various ailments through yoga and pranayama. Meditation to boost the immune system.









H. O. D.

Department of Physical Education and Sports

Shri Shivaji Science College Amravati

Dept. of Statics (Certificate Course on Descriptive Statistics Using R Language)

Name and Duration of the Program

Online Certificate Course on

Descriptive Statistics Using R Language

For Advt

Depart of Statistics , Shri Shivaji Science College , Amravati announces a three weeks online course

Descriptive Statistics Using R Language

Eligibility :

Student with Mathematics at 12th Standard wishing to understand and use basic statistical measures with the Open Source R language

Prerequisites:

Be able to use computers .

Duration of Course:

Three Weeks (16th August to 31th Aug 2021)

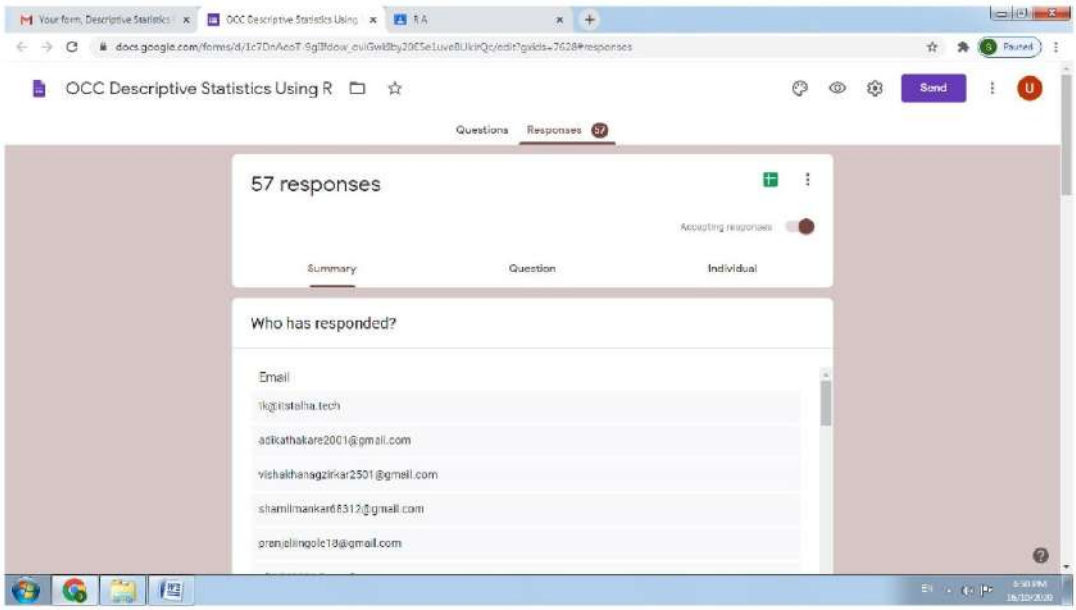
After successful completion of the course a E- certificate will be issued by Shri Shivaji Science College , Amravati on the performance

For more details of the course and to enroll follow the link

Associated Mail uvk.olc.stat@gmail.com

Deatails uploaded to stat mail DS Using R dir

List of the Students Enrolled and Attendance



Timestamp	Email Address	Name Of Student	College Name	Gender	Mobile No
7/25/2020 18:21:25	tk@itstalha.tech	talha	shri shivaji science college	Male	+91 9119550895
7/25/2020 18:36:05	adikathakare2001@gmail.com	Adika Bhaiyyasaheb Thakare	Shri Shivaji science college amaravati	Female	9579897196
7/25/2020 18:43:18	vishakhanagzirkar2501@gmail.com	Vishakha Prakash Nagzirkar	Shri Shivaji Science College Amravati	Female	9021402151
7/25/2020 18:47:46	shamlimankar68312@gmail.com	Shamli Diliprao Mankar	Shri Shivaji Science College, Amravati	Female	9284266729
7/25/2020 18:49:44	pranjaliingole18@gmail.com	Pranjali Jivanrao ingole	Shri Shivaji science College Amravati	Female	8668898639
7/25/2020 18:53:14	rdt1542001@gmail.com	Ruchika Thakare	Shri shivaji science college Amaravati	Female	7447879461
7/25/2020 18:53:29	shubhangicharpe410@gmail.com	Shubhangi rajesh charpe	Shri shivaji science college amaravti	Female	7972510528
7/25/2020 19:00:15	sakshirakhonde001@gmail.com	Ku.Sakshi Ramesh Rakhonde	Shru. Shivaji Science College Amravati	Female	7720893016
7/25/2020 19:03:37	anuragraut1689@gmail.com	Anurag Sunil Raut	Shri shivaji science college,	Male	7083886095

			Morshi		
7/25/2020 19:06:05	nikitachandiwale@gmail.com	Nikita shravan chandiwale	Shri shiwaji science college (Amravti)	Female	7057998624
7/25/2020 19:08:06	waghmareswati093@gmail.com	Ku. Swati Sudhakar waghmare	Shri Shivaji science college Amravati	Female	9172845031
7/25/2020 19:09:34	shivaji3dahane@gmail.com	Shivaji Kishor Dahane	Shri Shivaji Science College , Amravati	Male	9307289917
7/25/2020 19:12:05	poojapv075@gmail.com	Pooja prakash Varma	Shri Shivaji science College	Female	9356162693
7/25/2020 20:01:56	harshpandey.1801@gmail.com	Harsh pandey	Shri Shivaji Science College Amravati	Male	7083417991
7/25/2020 20:03:45	rakzamde@gmail.com	Rakesh Ravindra Zamde	Shri Shivaji Science college, Amravati	Male	7620663431
7/25/2020 20:13:25	vaibhavbayaaskar5@gmail.com	Vaibhav shrikrushna bayaskar	Shri shivaji science college Amravati	Male	9404272914
7/25/2020 21:13:38	purvabonde05@gmail.com	Purva Vilasrao Bonde	Shree shivaji science college	Female	7385135163
7/25/2020 21:23:37	vdhamnikar7@gmail.com	Vaidehi Bhaskar Dhamnikar	Shri.Shivaji Science College,Amravati	Female	7448241747
7/26/2020 10:53:51	shreyadhande95@gmail.com	Shreya Dhande	Shri Shivaji Science college Amravati	Female	7887456648
7/26/2020 11:11:47	mahalleaniket22@gmail.com	Aniket deepak mahalle	Shri shivaji science college amravati.	Male	8329875112
7/26/2020 11:13:12	prachikolhe24@gmail.com	Prachi kolhe	Shri shivaji science college amravati	Female	9168346587
7/26/2020 11:23:27	dhanashrichavhan225@gmail.com	Dhanashri chavhan	Shri Shivaji Science College , Amravati	Female	9146094922
7/26/2020 12:03:59	sauravjadhav698@gmail.com	Saurav Jadhav	Shri Shivaji Science College , Amravati	Male	8329600424
7/26/2020 12:23:50	roshu18goswami@gmail.com	Roshni Dipakgir Goswami	Shri shivaji science College Amravati	Female	9307627579
7/26/2020 12:31:35	gayatridawane1999@gmail.com	Gayatri Dattaji Dawane	Shri. Shivaji Science College Amravati	Female	7775838985
7/26/2020 12:36:57	arpitapandharikar17@gmail.com	Arpita Ashok pandharikar	Shrei Shivaji science College	Female	9370993504

			Amravati		
7/26/2020 12:57:53	chanchalchalkhure123@gmail.com	Chanchal dnyaneshwar chalkhure	Shri shivaji science college , amravati	Female	9960664672
7/26/2020 12:57:53	vaishnaviraut1688@gmail.com	Vaishnavai Raju Raut	Shri Shivaji Science College, Amravati	Female	9730465565
7/26/2020 13:15:14	pratikshagoge@gmail.com	Pratiksha Vijayrao Goge	Shri Shivaji Science College, Amravati.	Female	7066138478
7/26/2020 14:12:09	prabhatwankhade200@gmail.com	Prabhat Prakash Wankhade	Shri Shivaji Science College Amravati	Male	9158862933
7/26/2020 14:42:03	sakshiwange2001@gmail.com	Sakshi Rambhau wange	Shri shivaji science college,amravati	Female	9579339892
7/26/2020 14:43:03	vaishnavidhote.274@gmail.com	Vaishnavi Dhote	Shri Shivaji Science college, Amravati	Female	9325835467
7/26/2020 15:23:47	vedangishirbhate292001@gmail.com	Vedangi Deepakrao Shirbhate	Shri Shivaji Science College Amravati	Female	9049207062
7/26/2020 15:31:38	dhengleshravani@gmail.com	Shravani	Shri.shivaji science college, amravati	Female	9325049363
7/26/2020 15:58:38	sidratulmuntehams@gmail.com	Sidratulmunteha	Shri Shivaji science College	Female	9175593135
7/26/2020 16:28:36	shwetarane776@gmail.com	Shweta Ravindra Rane	Shree shivaji science college amravati	Female	7517781242
7/26/2020 17:07:25	joshnachaudhary07@gmail.com	Shivani Vijay Chaudhari	Shri Shivaji science clg amravti	Female	9022016560
7/26/2020 18:25:07	kalyanikhond@gmail.com	Kalyani Khond	Shri Shivaji Science college, Amravati	Female	7058983264
7/26/2020 18:37:12	janhavipatel9296@gmail.com	Janhavi Patel	Shri Shivaji Science College, Amravati	Female	9359194539
7/26/2020 18:54:13	samiksha2033@gmail.com	Samiksha Ghungrud	Shri shivaji science college	Female	7028435301
7/26/2020 18:55:58	malvepallavi03@gmail.com	KU.PALLAVI JAYSHRIRAM MALVE.	SHRI SHIVAJI SCIENCE COLLEGE, AMRAVATI	Female	7058900751
7/26/2020 20:48:43	vaibhavikalmegh@gmail.com	Vaibhavi Sanjay	Shri Shivaji Science College	Female	8421660775

		Kalmegh	amravati		
7/26/2020 21:01:15	deshmukhvaishnavip0102@gmail.com	Vaishnavi Pradip Deshmukh	Shri Shivaji science College	Female	8956094932
7/26/2020 21:31:19	adhaukomal82@gmail.com	Komal Adhau	Shri Shivaji science College Amt	Female	7666726750
7/26/2020 21:47:04	aukale34@gmail.com	Akansha U. Kale	Institute of bioinformatics and biotechnology	Female	9834197346
7/27/2020 6:11:33	sonkar22072019@gmail.com	Nayan Dilip Sonkar	Shri Shivaji Science College, Amravati	Male	7620363527
7/27/2020 11:17:00	ranighate2000@gmail.com	Rani ghate	Rani ghate	Female	9767709199
7/27/2020 11:37:10	snehaljalit6@gmail.com	Snehal Ghansham Jalit	Shree Shivaji science college,Amravati.	Female	9067234425
7/27/2020 12:05:51	ayushmangehlot8@gmail.com	Ayushman Gehlot	IIIT Nagpur	Male	8103919920
7/27/2020 18:48:58	rushaliwankhade.2000@gmail.com	Rushali Dhanraj Wankhade	Shri Shivaji Science college amravati	Female	9373364613
7/27/2020 19:36:24	vaishnavitarhekar13@gmail.com	Vaishnavi Pundlikrao Tarhekar	Shri shivaji science college, Amravati	Female	8669805692
7/28/2020 19:49:31	harshadarahate20@gmail.com	Harshada rahate	Shri shivaji science college	Female	9545968603
7/29/2020 21:37:29	abarwal760@gmail.com	Ankita chatursingh barwal	Shri Shivaji science collage amravati	Female	7038665091
7/30/2020 14:58:05	sakshimehare2001@gmail.com	Sakshi ganeshrao mehare	Shri shivaji science college amravati	Female	7709746217
7/31/2020 12:44:56	metejupatil1@gmail.com	TEJASWINI PRAKASHRAO PATIL	Shri Shivaji science College Amaravati	Female	9529246887
8/5/2020 11:45:55	mayurirw01@gmail.com	Mayuri rajendrarao waghmare	Shivaji college amravati	Female	8530435467
9/28/2020 12:12:17	rutujapandao189@gmail.com	Rutuja	Shivaji science colg	Female	9356637847

Curriculum and Time table

Online Certificate Course on

Descriptive Statistics Using R Language

Introduction and Background:

In the digital era every activity related to digital gadgets is leaving digital footprints behind generating humongous set of data .This data can be leveraged to generate a data driven decision systems necessary for smooth working of complex and data hungry systems of the digital world . In other words data is like oxygen in digital era and thus necessary to learn , understand and efficiently handle the data . One should know basics of Statistics to understand data and a Computer programming language to handle that data efficiently. In view of this we propose to start a entry level online course titled as " Descriptive Statistics using R language".

R is a programming language and free software environment for statistical computing and graphics supported by the R Foundation for Statistical Computing and fully compatible with Linux,Mac OS and Windows OS . The R language is widely used among statisticians and data miners for developing statistical software and data analysis. R language was developed by Ross Ihaka and Robert Gentleman at Aukland University in around 1992.

Eligibility :

Any student of Statistics or Mathematics (UG/PG) interested in learning data summarization tools and R language environment and its capabilities.

Prerequisites:

Be able to use computers and know college physics and mathematics concepts.

Duration of the Course:

THREE WEEKS (27th July to 15th August 2020)

Five/Six video lectures will be released and one assignments will be given in one week. The lectures can be viewed at any time during that week and assignments shall have to be submitted

before given deadline. The questions and discussions facility will be available through Google Classroom.

After successful completion of the course a certificate will be issued by Shri Shivaji Science College, Amravati depending on the performance.

Course Content

- Introduction R language
- R environment Saving ,Storing and Retrieving work
- R datatypes, variables and constants
- Matrix operation in R
- Methods of Data Input
- Importing Data from Excel
- Graphics with R
- Primary , Secondary Data
- Frequency , Cumulative Frequency , Classification of Data, Classification Rules
- Measures of Central Tendency
- Measures of Dispersion
- Skewness , Kurtosis
- Correlation and Regression Techniques

Weekly Plan

Week 1 : R Language

History Of R Language,WhyR

Installation, Environment and R Prompt

R as Calulator, Arithmetic Operators , BODMAS rule in Evaluation of expression

Data Types in R

Assignment Operator , adding comments

Variable naming conventions

Evaluation of Arithmetic Expressions

Vectors in R and its arithmetic ,Data Frames

Matrix Command , Accessing and Matrix operations , Functions in R

Methods of Data Inputs ,Importing Data from Excel , Useful Built in Functions

Week 2 : Diagrammatic Representation of Data using R

Importance of Diagrammatic representation of Data

Drawing of Bar Diagrams

Drawing of Subdivided and Multiple Bar Diagrams

Drawing of Pie Charts

Histograms

Frequency Polygons

Stem and Leaf Plot

Q-Q plots

Week 3 : Data Summarization Measures using R

What is Central Tendency

Types of Central Tendency Measures

Arithmetic Mean and Its Properties and computation

Median and Mode computation

Partition Values

Measures of Dispersion

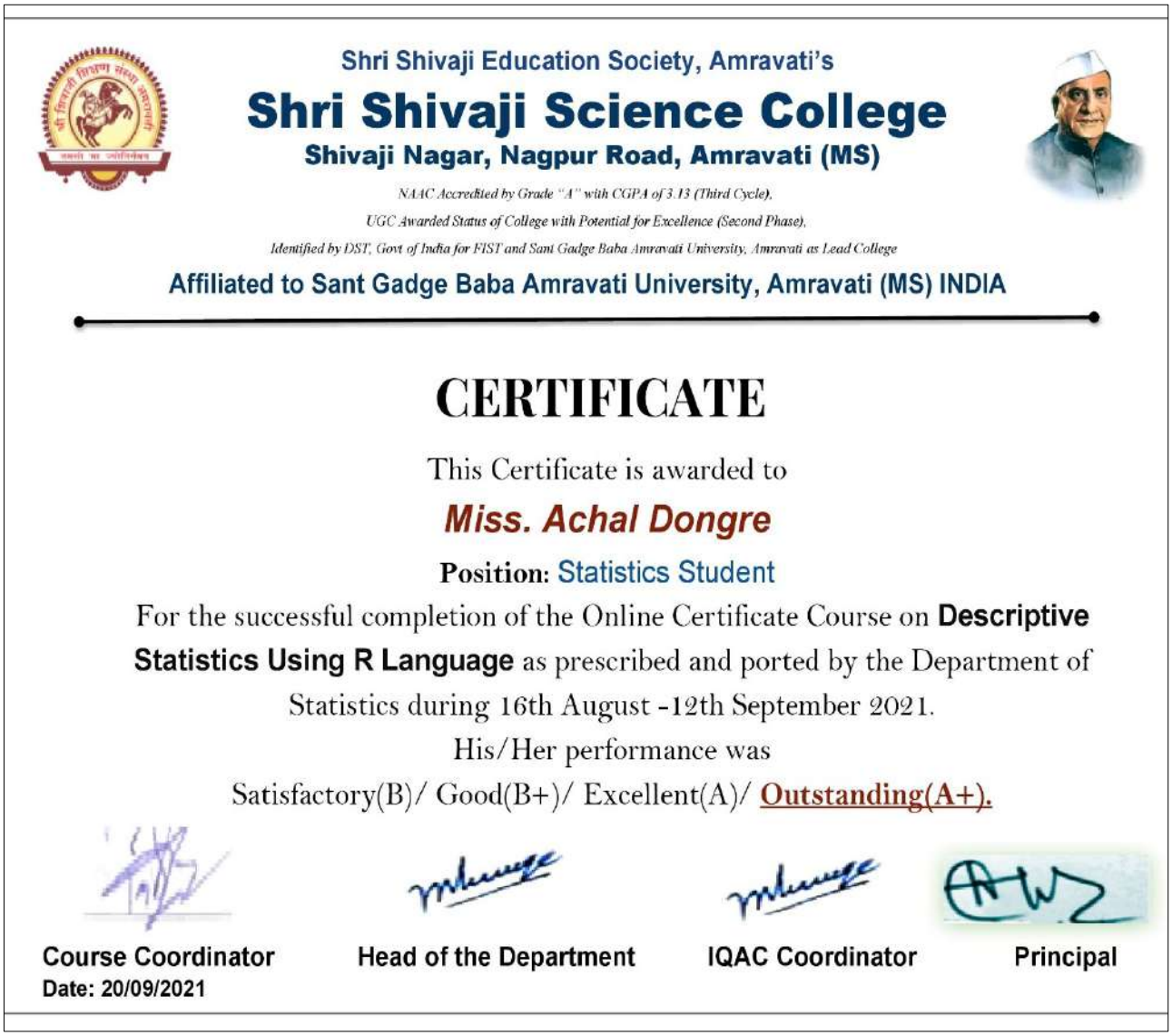
Range Quartile Deviation Mean Deviation

Standard deviation

Skewness and Kurtosis, Correlation & Regression computation using R

Assessment

All the students have successfully completed the course.



Shri Shivaji Education Society, Amravati's

Shri Shivaji Science College

Shivaji Nagar, Nagpur Road, Amravati (MS)

NAAC Accredited by Grade "A" with CGPA of 3.13 (Third Cycle).

UGC Awarded Status of College with Potential for Excellence (Second Phase).

Identified by DST, Govt of India for FIST and Sant Gadge Baba Amravati University, Amravati as Lead College

Affiliated to Sant Gadge Baba Amravati University, Amravati (MS) INDIA

CERTIFICATE

This Certificate is awarded to

Miss. Achal Dongre

Position: Statistics Student

For the successful completion of the Online Certificate Course on **Descriptive Statistics Using R Language** as prescribed and ported by the Department of Statistics during 16th August -12th September 2021.

His/Her performance was

Satisfactory(B)/ Good(B+)/ Excellent(A)/ Outstanding(A+).

Course Coordinator **Head of the Department** **IQAC Coordinator** **Principal**

Date: 20/09/2021

Summary Report and Outcome

Summary Report

Online Course Conducted by Dept of Statistics

2020-21

R is a programming language and free software environment for statistical computing and graphics supported by the R Foundation for Statistical Computing and fully compatible with Linux, Mac OS and Windows OS. The R language is widely used among statisticians and data miners for developing statistical software and data analysis. In view of this Department of Statistics, Shri Shivaji Science College, Amravati has conducted three-week online course on Introduction to R Language and Elementary Statistics using R titled as "**Descriptive Statistics Using R Language**". The details of program are

1. **Duration of Course: 16th Aug to 12th Sep 2021 Three weeks**

2. **Eligibility: Student with Mathematics at 12th std and working knowledge of Computers.**

3. **No of Participants: 38**

4. **Course Content:**

Introduction to R Language, R functions, Matrix handling operations, R Visualization functions, Basic Statistical Measures, Various data plots, Correlation and Regression Analysis technique

Course Outcome : After completing the course students are able to

1: Install R

2: Use Basic R functions

3: Handle matrix operations

4: Classify , Tabulate and Plot data for visualization

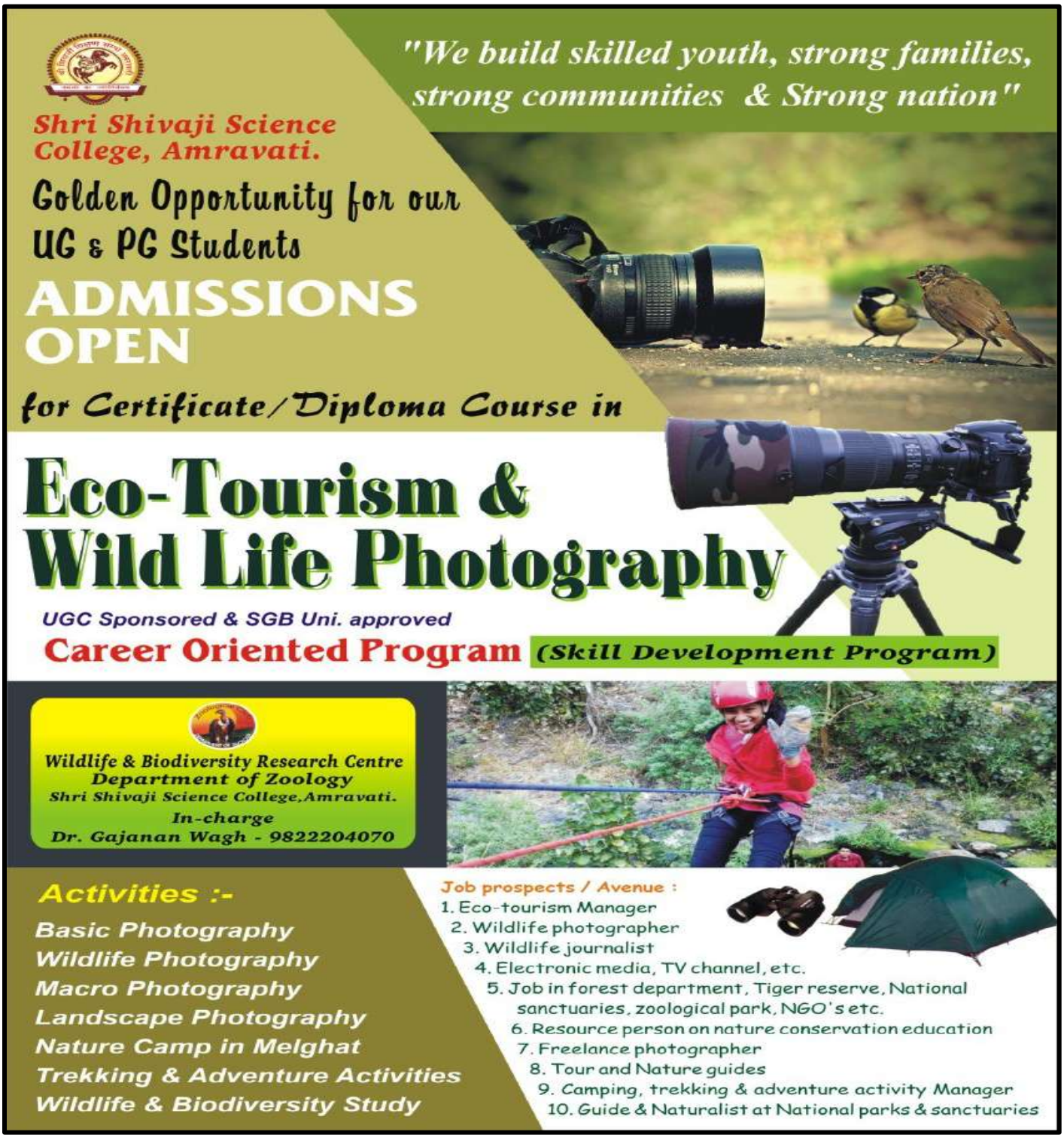
5: Compute values of basic statistical measures

6: Perform correlation and regression analysis

Dr U V Kale
Course Coordinator,
Dept. of Statistics
Shri Shivaji Science College, Amravati

Dept. of Zoology (Certificate Course in Eco Tourism and Wild Life Photography)

Name and Duration of the Program



List of the Students Enrolled and Attendance

Shri Shivaji Science College Amravati

Department of Zoology

COP-Ecotourism and Wildlife Photography

Certificate Course

List of certificate course enrolled Students 2020-21

Sr.No	Name	M/F	Category
1	Abhishek A. Behare	M	OBC
2	Mr.Yash M Wagh	M	OBC
3	Mr.Onam Tirmare	M	OBC
4	Mr.Yash A.Ulhe	M	OBC
5	Ku.Sakshi G.Gawande	F	SC
6	Mr.Gourav Jajodiya	F	Open
7	Ku.Prachi Deshmukh	F	OBC
8	Ku.Pratiksha N.Rokade	F	OBC
9	Ku.Akansha R.Hajare	F	SC
10	Mr.Chandrashekhar S.Tarale	M	OBC
11	Ku.Sakshi P.Bhande	F	OBC
12	Ku.Samiksha D.Gawner	F	NT2
13	Mr.Vedant R.Umare	M	OBC
14	Mr.Hemant Lokhande	M	OBC
15	Ku.Anushka D.Wabale	F	OBC
16	Ku.Manjeri Wankhade	F	OBC
17	Ku.Achal R.Jadhao	F	Open
18	Ku.Sanjana A.Dhote	F	OBC
19	Ku.Rupali Lokhande	F	OBC
20	Ku.Diksha R. Bahekar	F	ST
21	Mr.Mayuresh Wankhade	M	OBC
22	Ku.Prajakta S.Raut	F	OBC
23	Ku.Poonam A.Pasari	F	OBC
24	Ku.Hrutuja Adsod	F	OBC
25	Ku.Nandini Durge	F	SC
26	Ku.Yogini Deshmukh	F	OBC
27	Ku.Urwasi Morkar	F	ST
28	Mr.Yadnesh Irpate	M	ST
29	Ku.Rani V.Jawanjal	F	OBC
30	Ku.Sakshi R.Muley	F	OBC
31	Ku.Shruti R.Khande	F	SC
32	Ku.Mamata S.Sundale	F	NT
33	Ku.Pratiksha A.Deshmukh	F	OBC

G.A. wagh

Dr.G.A.Wagh
Co-ordinator
COC-EWP

Curriculum and Time table

Eco-Tourism and Wild Life Photography Course



Career Oriented Course

"We build strong kids, strong families, strong communities & Strong nation"

Department of Zoology
Shri Shivaji Science College, Amravati.
E-mail - shivaji_science@dataone.in
www.shivajiscamt.org
Tel No.-(0721) 2665485, 2660855

Contact : Dr. G. A. Wagh (Course Co-ordinator)
Mobile No. : 9822204070

About Course :

This course is designed to give you the enough knowledge about ecotourism and photography and help in your to step towards tour guides, Nature guides and photography. Anyone can snap a photo but not everyone can take a good picture. Proper foundational and basic knowledge along with correct techniques have to be understood and grasp.

Come & join us for this basic course to enhance your knowledge in the wild life and art of photography. Apart from the classroom theory sessions, there will be practical shooting sessions, field visits in National parks and sanctuaries who knows ? you might became a famous Nature guide and photographer someday?

Objectives of the course :

1. To create communication skills.
2. To understand the basic concept, scope and evolution of Eco-tourism and wildlife photography.
3. To develop an appreciation for responsible and sustainable tourism.
4. To underline the importance of ecology, culture, history and economic development.
5. To be able to acquire trekking programmes.
6. To promote Nature and wildlife photography.
7. To increase awareness about conservation of Nature and wildlife.
8. To create research attitude for wild life.
9. To arrange exhibition on wildlife.
10. To establish the link with National and international institute.

Job prospects / Avenue :

1. The student will have enough knowledge about Eco-tourism and wildlife photography.
2. One can final placement in electronic media, TV channel, etc.
3. One can final placement in Magzine / journals as a wildlife photographer.
4. To be able to face the objective pattern examination of biological sciences.
5. Conservation education resource person.
6. It will enable them to undertake job in forest department, National sanctuaries, Zoo park, NGO's etc.
7. Students can start photography and provide self employment.
8. Tour and Nature guides.
9. Camping, trekking & adventure activity manager.
10. Guide and Naturalist at National parks and sanctuaries.

You will learn :

Certificate course (One session):

Unit I	Environment & Ecology.
Unit II	Ecosystem
Unit III	Ecotourism
Unit IV	Guide Training
Unit V	Photography

Diploma course (One session):

Unit I	Environmental education
Unit II	Ecotourism activities.
Unit III	Planning in Ecotourism
Unit IV	Environment impact of ecotourism
Unit V	Photography

Advance Diploma course (One session):

Unit I	Forest & management
Unit II	Remote sensing
Unit III	Wild life management
Unit IV	Legislation
Unit V	Wild life Photography

Assessment

Shri Shivaji Science College Amravati

Department of Zoology

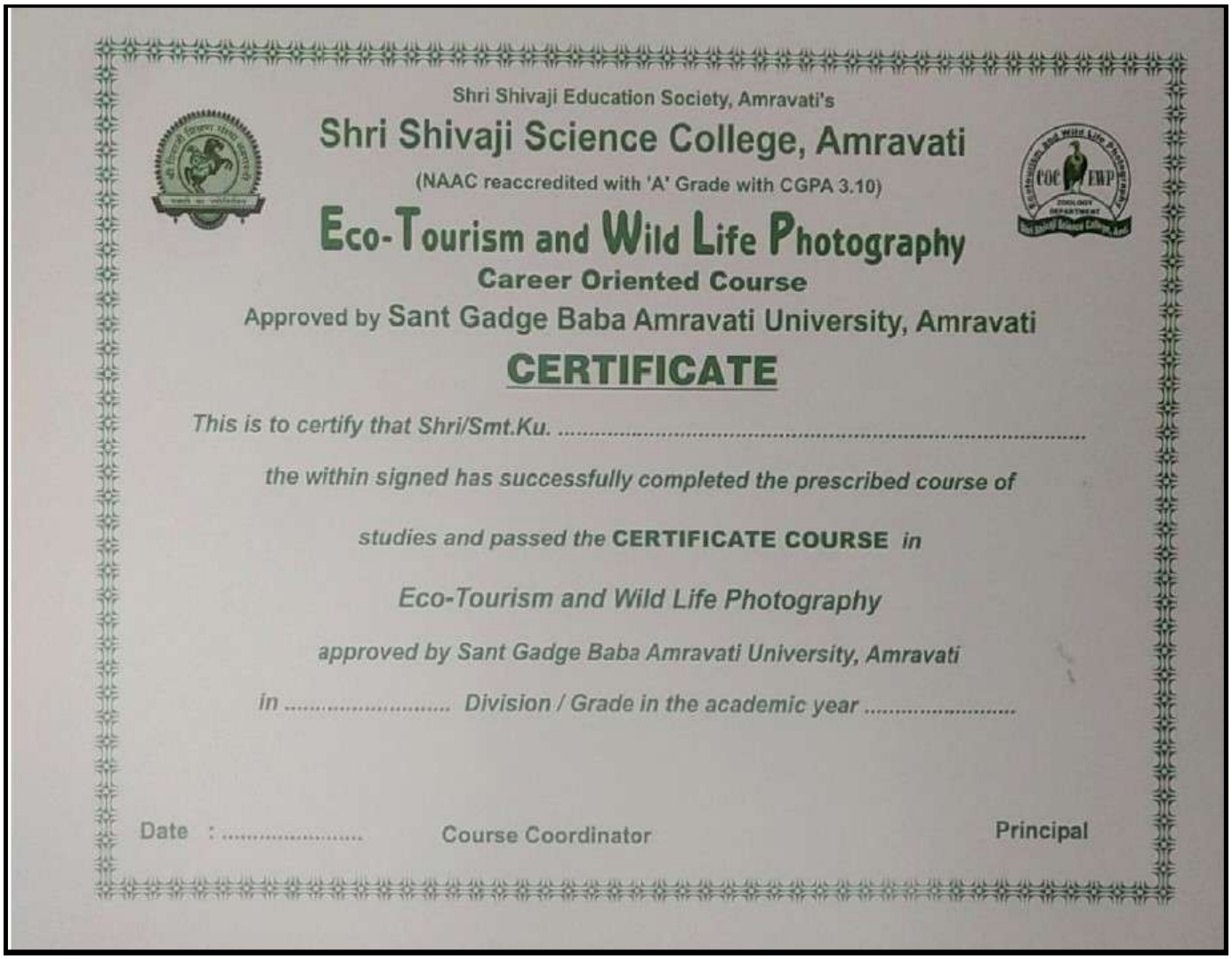
COP-Ecotourism and Wildlife Photography

Certificate Course

Assessment Sheet 2020-21

Sr.No.	Name of the students	Number	Result	Grade
1	Vedant Rajendra Umare	7350384810	Pass	A
2	Yash Achyutrao Ulhe	9405557873	Pass	A
3	Yogini Shyam Deshmukh	9146570394	Pass	A
4	Aachal Rajendra jadhav	9146479154	Pass	A
5	Sakshi Gajanan Gawande.	7499754858	Pass	A
6	Yadnyesh Anant Irpate	8999275203	Pass	A
7	Anoushka Datta Wabale	9623456909	Pass	A
8	Mayuresh Wankhade	9172904903	Pass	A
9	Abhishek Ashok Behare	8928239682	Pass	A
10	Sakshi Ravindra Muley	7030051256	Pass	A
11	Gaurav jajodia	9405845429	Pass	A
12	Yash Mangesh Wagh	7507879739	Pass	A
13	Rupali Dipak Lokhande	9793434175	Pass	A
14	Mamta Sanjay Saundale	9860403146	Pass	A
15	Ku. Manjiri Wankhade	7875385971	Pass	A
16	Samiksha Gawner	9552658493	Pass	A
17	Sakshi Pramod Bhande	7666821537	Pass	A
18	Nandini Rajesh Durge	7768037016	Pass	A
19	Punam Ajay Pasari	7620985324	Pass	A
20	Pratiksha A. Deshmukh	7776011073	Pass	A
21	Rani Vilas Jawanjal	7507368059	Pass	B
2	Pratiksha Rokade	9730472831	Pass	A
23	Gauri Anantrao Sawai	9881545523	Pass	A
24	Chandrashekhar S Tarale	9172432231	Pass	A
25	Sanjana Anil Dhote	9096678494	Pass	A
26	Akanksha Rakshit Hajare	9518302797	Pass	A
27	Ditiksha Ramesh Barekar	9307119956	Pass	A
28	Prajakta Sanjay Raut	8261874804	Pass	A
29	Shruti Ramkrushna Khandare	9309855671	Pass	A

Dr.G.A.Wagh
Co-ordinator
COC-EWP



Shri Shivaji Education Society, Amravati's

Shri Shivaji Science College, Amravati

(NAAC reaccredited with 'A' Grade with CGPA 3.10)

Eco-Tourism and Wild Life Photography

Career Oriented Course

Approved by Sant Gadge Baba Amravati University, Amravati

CERTIFICATE

This is to certify that Shri/Smt.Ku. .....

the within signed has successfully completed the prescribed course of studies and passed the **CERTIFICATE COURSE** *in*

Eco-Tourism and Wild Life Photography

approved by Sant Gadge Baba Amravati University, Amravati

in ..... Division / Grade in the academic year .....

Date : ..... Course Coordinator Principal

Summary Report and Outcome

Shri Shivaji Science College Amravati
Department of Zoology
Eco-tourism & Wildlife Photography

Career Oriented Certificate program- 2020-21

Summary Report

The main objectives of this course were to increase awareness about sustainable tourism, adventure, Wildlife conservation, Biodiversity documentation and also to develop photography skill and create scientific temperaments among students. In all 33 students were enrolled for this course. As per the course contents various online lectures were conducted for the students. Students were participated in Bird watching program, Clay Ganesh Idol awareness program, Wetland Day Program at Chatri Lake and online Photography competitions.

Course Outcomes:

1) Increased knowledge about Wildlife and their Ecology.
2) Increased awareness about wildlife conservation among students.
3) Acquired the Knowledge of ecosystem.
4) Adapted skill of wildlife photography
5) Developed skill for scientific documentation.

Dept. of Zoology (Certificate Course Health Care)

Name and Duration of the Program



List of the Students Enrolled and Attendance

SHRI SHIVAJI SCIENCE COLLEGE, AMRAVATI

Department of Zoology

List of Students enrolled in Value Added Course- 2020-2021

Sr. No.	Name of Student
1.	Aafiya Anam
2.	Achal Mahalle
3.	Aditya Deshkari
4.	Afifa_ Khan
5.	Afiya Shaikh
6.	Afsar Husain
7.	Akanksha Hajare
8.	Akanksha Nathe
9.	Akshu Harne
10.	Ambika Nistane
11.	Anjali Jain
12.	Anjali Thapa
13.	Anju Ingole
14.	Ankesh Jagdev
15.	Anoushka Wabale
16.	Apeksha Mankar
17.	Arpita Zade
18.	Arshiya Anjum
19.	Arshiya Shaikj
20.	Aruna Bethekar
21.	Arya Patil
22.	Ashmira Talat
23.	Ayush Jaiswal
24.	Bano Muskan
25.	Bhagyashri Chavan
26.	Chanchal Belsare
27.	Chandrashekhar Paithankar
28.	Dhanashri Mundokar
29.	Diksha Jangir
30.	Diliprao Dhoble
31.	Dipali Chondke
32.	Disha Bharsakale
33.	Ditiksha Barekar
34.	Dnyaneshwari Shegokar
35.	Gaurav Babhulkar
36.	Gauri Murumkar
37.	Gauri Nimbhorkar

38.	Gitanjali Fuke
39.	Gorakh Vispute
40.	Harish Kumbhare
41.	Harshada Nandurkar
42.	Harshal Bais
43.	Himanshu Sunariwal
44.	Informative Studio
45.	Ishu Mesare
46.	Janvi Gajam
47.	Jayesh Ingle
48.	Juhi Ruikar
49.	Kalyani Chaware
50.	Kalyani Chaware
51.	Kalyani Ingale
52.	Kalyani Kapade
53.	Kalyani Khandagale
54.	Kanchan Mankar
55.	Kanchan Soni
56.	Karan Verulkar
57.	Kashish Talkit
58.	Kasturi Khune
59.	Kausar Azeez Khan
60.	Khudeja Khan Khan
61.	Khushi Bhatkar
62.	Komal Khalokar
63.	Krutika Jadhao
64.	Krutika Makade
65.	Krutika Thote
66.	Mahesh Lahariya
67.	Mamta Saundale
68.	Manaswi Kadu
69.	Manisha Ingle
70.	Masarrat Jahan
71.	Mayur Ingle
72.	Mayuri Gai
73.	Mayuri Shelke
74.	Megha Sharma
75.	Monali Bhakare
76.	Monali Sonone
77.	Monika Rathod
78.	Naiyara Khan
79.	Naved Khan
80.	Nayna Dongre
81.	Naziya Khan
82.	Neha Pal

83.	Nida Parveen
84.	Nikita Irkhede
85.	Nivrutti Ambadkar
86.	Om Gawande
87.	Om Kalmegh
88.	Om Kusumbe
89.	Onam Tirmare
90.	Palchhan Raut
91.	Pallavi Devhade Patil
92.	Pallavi Mahalle
93.	Pallavi Nandane
94.	Pallavi Raut
95.	Pallavi Wankhade
96.	Pooja Datkar
97.	Pooja Waghmare
98.	Poonam Guhe
99.	Prachi Deshmukh
100.	Prachi Gayki
101.	Prachi Jadhao
102.	Pragati Ugale
103.	Prajakta Raut
104.	Prajkata Thakare
105.	Pranali Bhusari
106.	Pranay Ingle
107.	Pranjali Bute
108.	Prathmesh Mehare
109.	Pratiksha Deshmukh
110.	Pratiksha Katkar
111.	Pratiksha Navalkar
112.	Pratiksha Rokade
113.	Prerana Jagtap
114.	Priya Athawale
115.	Priya Bildani
116.	Priya Solanke
117.	Priyanshu Guntiwar
118.	Punam Akotkar
119.	Punam Pasari
120.	Purva Bhagat
121.	Purvika Charpe
122.	Quaneta Anam
123.	Qudsiya Shaikh
124.	Radhika Deshmukh
125.	Rani Jawanjal
126.	Rashi Sisodia
127.	Rashmi Wavare

128.	Renuka Harne
129.	Renuka Palaskar
130.	Renuka Solanke
131.	Rina Amale
132.	Rohan Ingle
133.	Rohini Nandgawali
134.	Rohit Tangade
135.	Rohit Thakare
136.	Ruchita Girhe
137.	Ruchita Phale
138.	Rupali Teke
139.	Rutuja Halwane
140.	Sakshi Barde
141.	Sakshi Chaudhari
142.	Sakshi Dhokane
143.	Sakshi Kale
144.	Sakshi Kaner
145.	Sakshi Metkar
146.	Sakshi Mohod
147.	Sakshi Subhash
148.	Sakshi Wankhade
149.	Sakshi Wathodkar
150.	Saloni Rajput
151.	Samar Veer
152.	Samiksha Chawale
153.	Samiksha Karale
154.	Samiksha Mendhe
155.	Sapna Wankhade
156.	Sarika Shukla
157.	Satish Jamunkar
158.	Sawri Kitukale
159.	Sayali Vaidya
160.	Sejal Dixit
161.	Sejal Ingale
162.	Shamila Nomani
163.	Sharayu Thakare
164.	Shireen Mahjabeen
165.	Shivani Gawai
166.	Shivani Gawai
167.	Shraddha Devkar
168.	Shreya Chavhan
169.	Shreya Muley
170.	Shruti Belsare
171.	Shruti Khandare
172.	Shruti Shingane

173.	Shruti Shingane
174.	Shruti Tiware
175.	Shubhada Raut
176.	Shubham Mehankar
177.	Shubhangi Khedkar
178.	Silviya Gaigole
179.	Simran Ingle
180.	Sneha Pagrut
181.	Snehal Pawar
182.	Snehal Wankhade
183.	Sonali Patorkar
184.	Sony Ansari
185.	Srushti Solanke
186.	Subhash Nage
187.	Sujata Pinjarkar
188.	Suvarna Raut
189.	Syed Azalfa
190.	Tanaya Chavhan
191.	Tanaya Meshram
192.	Tejasvini Pawar
193.	Tejswini Chaudhari
194.	Trishna Chavhan
195.	Vaishali Gothwal
196.	Vaishali Kemekar
197.	Vaishanvi Kale
198.	Vaishnavi Dewar
199.	Vaishnavi Gadhave
200.	Vaishnavi Kangate
201.	Vaishnavi Raut
202.	Vaishnavi Raut
203.	Vanshita Nikhar
204.	Vedant Umare
205.	Vedanti Dikey
206.	Vedanti Reche
207.	Vedika Thawali
208.	Vikesh Gathe
209.	Yadnyesh Irpate
210.	Yamini Sawarkar
211.	Yashwant Deshmuk

Curriculum and Time Table

UNDERSTANDING PROGRAMME AND COURSE

Course :

8 hours of teaching in a week

6 hours theory

Course Outcomes(COs) :

8) To understand occurrence and distribution of health service .

9) To understand interrelationship of public health with global health and their interplay in environmental health.

10) Application of services governing social health in understanding occurrence of public health.

11) To understand various services , facilities, institutions.

12) To understand healthcare services of India and to develop critical thinking on how health conditions vary in India due to various lifestyles.

13) To understand individuals, families and communities with promoted, protective, preventive, diagnostic, curative and rehabilitative measures and services

Course Outlines:

12) Health, healthcare and its relation to other sciences.

13) Health measures and services.

14) Occurrence and distribution of health care services and scope.

15) Scope of activities of health organizations on different levels.

16) Influent and affluent seepages and springs.

17) Healthcare system

Course Schedule :

Online classes will be offered

Faculty:

12) Course outline: Course Outlines:

1) Healthcare and its relation to other sciences.
2) Role and organization of health care systems.
3) Distinguish national health care systems based on sources of funding.
4) Scope of activities of health organizations on different levels.
5) Classify health service organizations depend on various criteria.
6) Three generations of reforms in health system.
7) Main goals of national health systems.
8) Main objectives of national health systems
9) Common problems of health care system.
10) New challenges of health care system
11) Hospital care
12) Public health care services improve lifestyle.

Week 1: Introduction healthcare and services		
Content	**Activities**	**Assessments**
Videos multimedia e-content, Textural handout reading material	Assessments discussion	
Determinants		
Videos multimedia e-content, Textural handout reading material	Assessments discussion, Practical assessments	
Week 2: Diet and nutrition		
Videos multimedia e-content, Textural handout reading material	Assessments discussion	
Week 3: Health information and techniques		
Videos multimedia e-content, Textural handout reading material	Assessments discussion	Final Quiz Assessments

	2	Biomedical Science relation to other sciences		
	3	History		
	4	Healthcare services		
	5	Public, global, environmental health		
Week 2	6	Determinants		25
	7	Potential issues		
	8	WHO		
	9	Social determinants of health		
	10	Risk factor		
	11	Mental health		
	12	Healthy diet and human nutrition		
	13	Exercise		
	14	Role of Science –Health science and health care		
	15	Role of public health		
Week 3	16	Health information		25
	17	Health techniques		
	18	Occupational		
	19	Occupational safety and health		
	20	Self-care strategies		
		Final Test		25

9) Duration of course: Three weeks

10) Credits:100

11) Components: Course Outcomes (COs):

1) To increase understanding various healthcare services and systems organization.
2) To understand interrelationship between public health, global health and Environmental health.
3) To understand healthcare self-care strategies in India.
4) Be able to describe scope of activities of heath organizations depend on different criteria
5) To identify main goals and objectives of national health systems.
6) To describe three generations of reforms in health systems.
7) To understand health services of India and to develop critical thinking on how public health care services improve lifestyle.

1) Course Title: Health Care (Biomedical Science) 2021

2) Course description:

Health of the people is important to aware the society about it. It is characterized as anatomic, physiologic, and psychological integrity to perform work. Health Care System (HCS) infrastructure includes services, facilities, institutions/establishments and organizations. They provide individuals, families and communities with primitive, protective, preventive, diagnostic, curative and rehabilitative measures and services. There are different HCSs all over the world, which are strongly influenced by nation's history, traditions, socio-cultural, economic, political and other factors. In the first decade of the 21st century, the conceptualization of health as an ability opened the door for self-assessments to become the main indicators to judge the performance of efforts aimed at improving human health and lifestyle. This Certificate course on healthcare (Biomedical Science), is towards making students aware about introductory requirement to understand and to create the opportunity for every person to feel healthy, even in the presence of multiple chronic diseases, or a terminal condition and for the re-examination of determinants of health, away from the traditional approach that focuses on the reduction of the prevalence of diseases. Applied health sciences endeavor to better understand and improve human health through applications in areas. This course will cover building block contains to understand healthcare and its integral relationship with zoology.

3) Course Objectives:

1) To understand basic healthcare.
2) To understand various healthcare services.
3) To understand interrelationship between public health, global health and Environmental health.
4) To understand types of healthcare and maintenance of health.
5) To acquire knowledge of health related sectors.
6) To understand self-care strategies in India.
7) To understand occupational safety, health information and techniques.

4) Instructional Strategies: Animation Videos

5) Instructional Material: Instructor's videos supported with slides and graphics

6) Summary: Flow-charts and text form

7) Evaluation Strategies: Summative auto-graded tests and assignments for E-Tutor feedbacks

8) Detailed time-wise course session plan:

Week	Day	Syllabus	E-content	Credits
Week 1	1	Healthcare		25

Assessment
All the students have successfully completed the Value-added certificate course.



Shri Shivaji Education Society, Amravati's
Shri Shivaji Science College, Amravati
NAAC Accredited by Grade "A" with CGPA of 3.13 (Third Cycle),
UGC Awarded Status of College with Potential for Excellence (Second Phase),
Identified by DST, Govt of India for FIST and Sant Gadge Baba Amravati University, Amravati as Lead College
Affiliated to Sant Gadge Baba Amravati University, Amravati (MS) INDIA

CERTIFICATE

This Certificate is awarded to Prof./Dr./Mr./Mrs./Ms. Shruti Teware has actively participated in design and development of curriculum on line /off line certificate course entitled -----: **Health Care (Biomedical Science)** conducted by the Department of Zoology during 17th August 2021 to 7th September 2021.

Dr. R.G. Jadhao
Professor & Head
Dept. Of Zoology
Shri Shivaji Science College, Amravati.

Head of Department | Course Coordinator | IQAC Coordinator | Principal

Summary Report and Outcome

Shri Shivaji Science College

Shivaji Nagar, Morshi Road, Amravati (M.S.)-444603

Accredited by NAAC with "A" Grade (very good) with a CGPA of 3.13
College with Potential for Excellence

- Founder : Dr. Panjabrao Alias Bhausaheb Deshmukh
- President: Shri. Harshvardhan P. Deshmukh
- Off. Principal : Dr. G.N. Chaudhari
- E-mail : shivaji_science@dataone.in

Online one month Course on "Health Care (Biomedical Science)" From 17/08/2021 to 07/09/2021 *Organized by Department of Zoology,* Value Added Course-2021

REPORT

Health of the people is important to aware the society about it. It is characterized as anatomical, physiological, and psychological integrity to perform work. Health Care System (HCS) infrastructure includes services, facilities, institutions/establishments and organizations. They provide individuals, families and communities with primitive, protective, preventive, diagnostic, curative and rehabilitative measures and services. There are different HCSs all over the world, which are strongly influenced by nation's history, traditions, socio-cultural, economic, political and other factors. In the first decade of the 21st century, the conceptualization of health as an ability opened the door for self-assessments to become the main indicators to judge the performance of efforts aimed at improving human health and lifestyle. This Certificate course on healthcare (Biomedical Science), is towards making students aware about introductory requirement to understand and to create the opportunity for every person to feel healthy, even in the presence of multiple chronic diseases, or a terminal condition and for the re-examination of determinants of health, away from the traditional approach that focuses on the reduction of the prevalence of diseases. Applied health sciences endeavor to better understand and improve human health through applications in areas. This course will cover building block contains to understand healthcare and its integral relationship with zoology.

The Department of Zoology, Shri Shivaji Science College, Amravati organized this one month value based course for UG and PG students from 20/07/2020 to 20/08/2020 under the guidance of Dr G.N. Chaudhari, Principal, ShriShivaji Science College Amravati, Dr H. S. Lunge, Coordinator, IQAC, Dr. R. G. Jadhao , Head, Department of Zoology, Dr. Jayshree D. Dhote and Dr. Rupali A. Patil Bhagat, course coordinator, Dr. Gaytri D. Hande, Dr. Sujata Kawade, Dr. A. R. Rajoria provided online videos regarding some latest topics like Biomedical Science relation to other sciences, History, Healthcare services, Public, global, environmental health, Determinants, Potential issues, WHO, Social determinants of health, Risk factor, Mental health, Healthy diet and human nutrition, Exercise, Role of Science –

Health science and health care, Role of public health, Health information, Health technique Occupational safety and health and Self-care strategies and stem cell.

Total 211 participants from Shri Shivaji Science College participated in this course as we as qualified this course. Certificates provided to students depend on test submitted an attendance and final examination.

This course designed for:

- UG and PG students intending to work in a various consultancies.
- Students preparing for jobs after completion of PG and Ph.D. degree.
- The course designed for 3 weeks under value added course.
- To understand various services, facilities, institutions.

The course objectives achieved:

- To understand occurrence and distribution of health service .
- To understand interrelationship of public health with global health and their interplay in environmental health.
- Application of services governing social health in understanding occurrence of public health.
- To understand various services, facilities, institutions.
- To understand healthcare services of India and to develop critical thinking on how health conditions vary in India due to various lifestyles.
- To understand individuals, families and communities with promoted, protective, preventive, diagnostic, curative and rehabilitative measures and services

Details of the course Health Care (Biomedical Science) conducted:-

The online education has become powerful response to assist this century's workforce in its growing need to acquire and develop knowledge. Total 211 participants from UG and PG college students admitted in this online one monthcourse "Health Care (Biomedical Science)". All the participants joined Google classroom for classwork. The details of Google classroom's work with links are as follows.

Dhote

Dr. J. D. Dhote

Rupali

Dr. R. A. Patil Bhagat

Course Coordinator

Rondhao

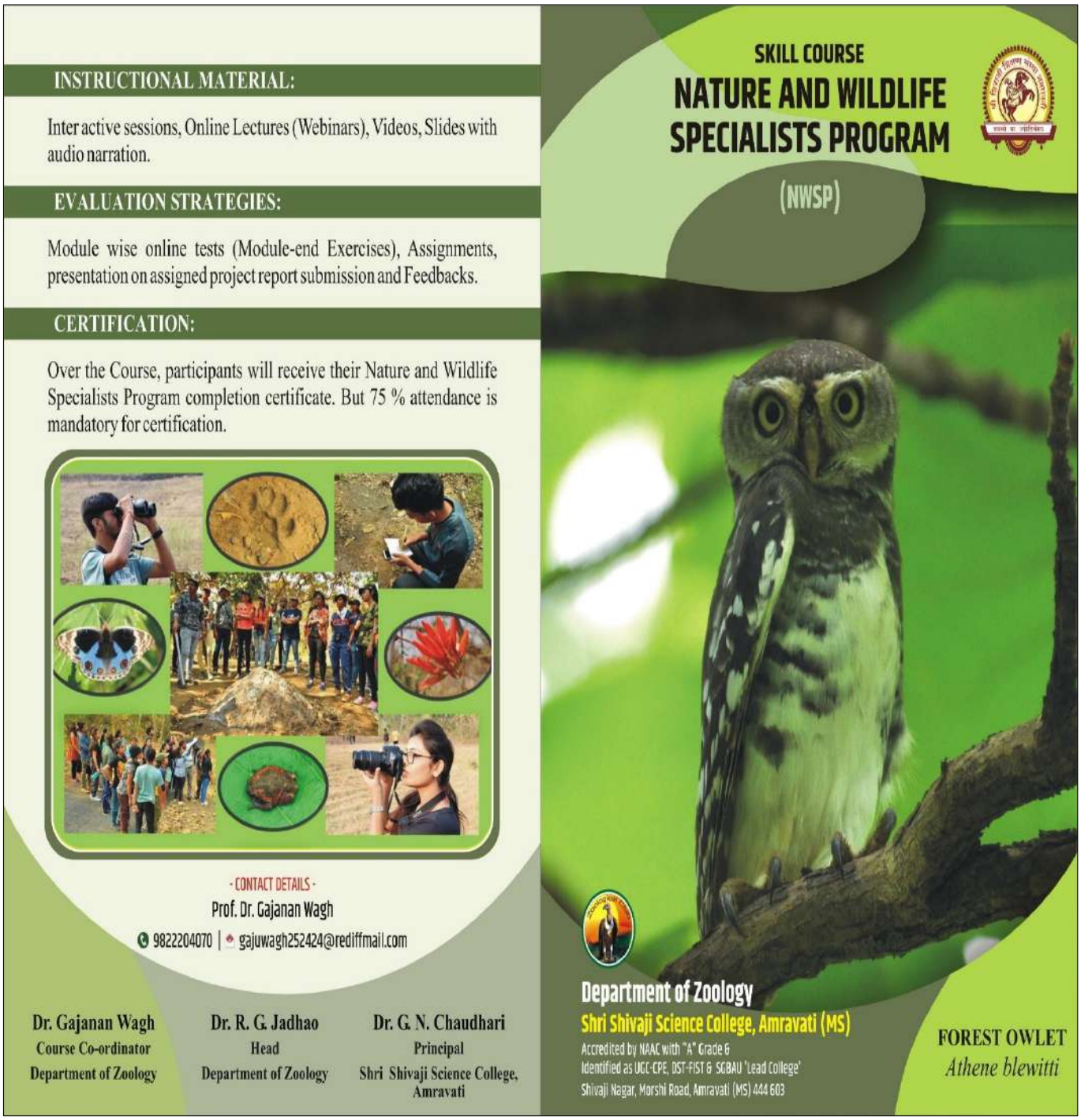
Dr. R. G. Jadhao

HOD

Dr. R.G. Jadhao
Professor & Head
Dept. Of Zoology
Shri Shivaji Science College,
Amravati.

Dept. of Zoology (Certificate Course Nature and Wildlife Specialists Program (NWSP)

Name and Duration of the Program



List of the Students Enrolled and Attendance

Skill Course:Nature & Wildlife Specialist Program (NWSP)

Participants List -2021

Sr.No.	Name of The students	Email	Number
1	Onam Tirmare	onamtirmare40110@gmail.com	7558446759
2	Pratiksha Nandkishor Rokade	pratikshanrokade@gmail.com	9730472831
3	Anoushka Datta Wabale	anoushkawabale@gmail.com	9623456909
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66	Nayna Neeta Dongre	Naynadongre@gmail.com	9021764995
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83	Ankita Dewanand Wankhade	ankitajmv99@gmail.com	7741835832

Dr.G.A.Wagh
Co-ordinator

Curriculum and Time table

Course Title :
NATURE AND WILDLIFE SPECIALISTS PROGRAM (NWSP)

Course Type : Skill Course (Online Certificate Program)

Course Duration : 4 Weeks/1 Month (30 Hours=3 Credits) |

2 Batches in a year | Each Batch having 40 students limit.

Target Group : This program focuses intensely to elevate passionate nature enthusiasts into professional naturalists with scientific knowledge.

Need of the Course : This course is essential for those want to pursue jobs as a field Biologist in National Parks, Tiger Reserves, NGOs etc. or to start working as a professional Naturalist/Wildlife Specialist as well as nature/wildlife tour leader. In states of central India namely Maharashtra and Madhya Pradesh having numbers of Tiger Reserves, National Parks and Sanctuaries, therefore, there is maximum scope for wildlife tourism. Now a day's wildlife tourism is considered as one of the main source to generate the income.

Eligibility : 10+2 Students from any stream

Admission Process : Through Online Google form

OBJECTIVES OF THE COURSE:

1. To explore and expanding their knowledge on Nature and Wildlife.
2. To understand the basics of ecology and forest.
3. To acquire the knowledge of floral and faunal diversity.
4. To understand the behavior of wildlife and learn about the tracks and signs of Wildlife.
5. To promote Nature and wildlife photography and Documentation
6. To increase awareness about conservation of Nature and wildlife.
7. To create wildlife research attitude.
8. To be able to organize nature walk program.
9. To develop communication skills
10. To develop an appreciation for responsible and sustainable wildlife tourism.

JOB PROSPECTS / AVENUE :

1. Wildlife Researcher and Field Biologist in Tiger Reserve/National Park, NGO's etc..
2. Naturalist/professional field guide at Tiger Reserve, National parks and sanctuaries.
3. Camping, trekking & Nature trail activities manager /Leader.
4. Environment education resource person.
5. One can final placement in electronic media, Nature Magazine and journals as a wildlife photographer.
6. Start wildlife tourism and provide self employment.

COURSE CONTENTS :

(Theory & Practical):

Broad outline of the course structure includes the following Modules:

Unit I- Ecology

Unit II - Floral Diversity

Unit III - Faunal Diversity

Unit IV - Wildlife & Habitats

Unit V - Tourist Ethics, Wildlife Protection Acts & Biodiversity Conservation Acts.

Unit VI - Communication Skill & Photography

Practical - Field Base Project submission & Project Report Presentation

SUBJECT EXPERT TEAM :

- Teaching Staff of Department of Zoology, Shri Shivaji Science College, Amravati.
- Subject Experts from Life Science Departments /Institutes.
- Subject Experts from Forest Department, Tiger Reserve Authority, WECS & other NGOs.
- Wildlife experts from ZSI, WII, WCT & BNHS.
- Retired faculties and scientists.

Shri Shivaji Science College, Amravati
Department of Zoology
Skill Course

Nature and Wildlife Specialists Program (NWSP)

Time Table

Day	1	2	3	4	5
Module	Module I Natural Resources	Module I Community ecology	Module I Inter specific relationship	Module I Ecosystem	Module I Food Chain
Day	6	7	8	9	10
Module	Module II Algae,Bryophytes, Pteridophytes & Gymnosperm	Module II Mushrooms & Lichens	Module II Grasses and Wild Flowers	Module II Trees & Climbers	Module II Medicinal & economically important plants
Day	11	12	13	14	15
Module	Module III Insects,Butterflies, Dragonflies and Spiders	Module III Molluscan,Fishes and other aquatic animals	Module III Amphibians and Reptiles	Module III Birds	Module III Mammals
Day	16	17	18	19	20
Module	Module IV Forest Types	Module IV Types of protected areas	Module IV Wildlife Behavior	Module IV Animal Tracks and signs	Module IV Prey-Predator Relationships
Day	21	22	23	24	25
Module	Module V Sustainable tourism	Module V Indian Forest Acts	Module V Wildlife Protection Acts	Module V Biodiversity Conservation Acts	Module V Ethics and Wildlife conservation
Day	26	27	28	29	30
Module	Module VI Communication skills	Module VI Knowledge about interesting facts& interpretation centers	Module VI Basic of Wildlife Photography& editing	Module VI First Aid	Module VII Project Report presentation & Conclusion

Dr. R. G. Jadhao
Head
Dept. of Zoology

Dr.Gajanan Wagh
Course In-charge
NWSP

Principal
Shri Shivaji Science College,
AMRAVATI.

Dr.V.G.Thakare
Principal

Assessment

Shri Shivaji Science College Amravati

Department of Zoology

NATURE & WILDLIFE SPECIALIST PROGRAM(NWSP)

Assessment Sheet 2021

Sr.No.	Name of the Student	Institute	Mobile	Result	Grade
1	Rajmeher Vijayrao Nishane	Dept. Of law S.G.B.A.U Amravati.	7385526653	Pass	B
2	Dushyant Avinashrao Deshmukh	Shri Shivaji Science College,Amravati	7448161836	Pass	B
3	Onam Tirmare	shri shivaji science college amravati	7558446759	Pass	A
4	Dhanashri pramodrao Mundokar	shri shivaji science collage Amravati	7020328785	Pass	A
5	Samiksha Diliprao katade	Shri Shivaji Science College,Amravati	7447482110	Pass	A
6	Shravani Vijayrao Nishane	Shri Shivaji Science College Amravati	7020723550	Pass	A
7	Krutika purushottamrao thote	S.g.b.university Amravati.	8830149471	Pass	A
8	Anand Mohod	Shri shivaji science college	9075179065	Pass	A
9	Vedant Rajendra Umare	Shri Shivaji Science College, Amaravati	7350384810	Pass	A
10	Sakshi Vinod Dhokane	Shri shivaji science college Amravati	9730688652	Pass	A
11	Tejaswini Prakashrao Patil	Shri Shivaji science College amravati	9529246887	Pass	A
12	Akanksha Ravindra Nathe	Shri Shivaji science college amravati	7020640248	Pass	A
13	Sayali prashant Vaidya	Shri shivaji science college amravati	7887720793	Pass	A
14	Dhanashri pramodrao Mundokar	shri shivaji science collage Amravati	7020328785	Pass	A
15	Manjiri Wankhade	Shri Shivaji Science College,Amravati	7875385971	Pass	A
16	Gaurav Jajodia	shri shivaji science college	9405845429	Pass	A
17	Chhaya Marotrao Mohajankar	shri shivaji science college, Amaravati	8390632065	Pass	A
18	Vedika Sushil Thawali	Shri Shivaji Science College, Amravati	9146871728	Pass	A
19	Anoushka Datta Wabale.	Shri Shivaji Science College Amravati.	9623456909	Pass	A
20	Mamta Sanjay Saundale	Shri shivaji science college amravti	9860403146	Pass	A

21	Shashank Jagdish Nagarale	Shri. Shivaji Science College, Amravati.	9960010860	Pass	B
22	Krutika purushottamrao Jadhao	Shivaji science college amravati	7757971373	Pass	A
23	Pratiksha Rokade	Shri. Shivaji Science College,Amravati.	9730472831	Pass	A
24	Ms Rani Vilas Jawanjal	Shri Shivaji Science College Amravati	7507368059	Pass	A
25	Urvashi. Tulashidas Morkar	Shivaji science	9130698431	Pass	B
26	Sagar Thakare	Shri Shivaji Science College	7066073469	Pass	A
27	Sakshi Gajanan Udaykar	Shri Shivaji science College, Amravati	8080557664	Pass	A
28	Rashi suryakant Sisodia	Shri shivaji Science College	8766788619	Pass	A
29	Yash Mangesh Wagh	Shri Shivaji Arts and Commerce College, Amravati	7507879739	Pass	A
30	RENUKA SANJAY PALASKAR	Shri Shivaji science College	8379054456	Pass	A
31	Pratiksha Ajayrao Deshmukh	Shri Shivaji science college Amravti	7776011073	Pass	A
32	Mohit Pramodrao Gawande	Shri Shiwaji Science college Amaravti	7057751495	Pass	A
33	Darshana Rajeshrao Tijare	Shri shivaji science college Amravti	9158749216	Pass	A
34	Pratiksha Ajayrao Deshmukh	Shri shivaji science college Amravti	7776011073	Pass	A
35	Rani Ramdas Ghate	Shri Shivaji Science College Amaravati	9960530084	Pass	A
36	Gauri Anantrao Sawai	Shri Shivaji Science College Amravati	9881545523	Pass	A
37	Sahil Sanjay Mankar	P.R.Pote Patil College Of Agriculture, Amravati.	9284633808	Pass	A
38	Sakshi Surendrarao Mohod	Shri Shivaji Science College,Amravati	7083681436	Pass	A
39	Pratiksha Ganeshrao Tarpe	Shri Shivaji science College Amaravati	7385737895	Pass	A
40	Suvarna Manoj Raut	Shri Shivaji science college amravati	8975294495	Pass	A
41	Vaishnavi Pradip Deshmukh	Shri Shivaji Science College, Amravati	8956094932	Pass	A
42	Prachi Gajanan Deshmukh	Shri Shivaji Science College,Amravati	8668810002	Pass	A

43	Shraddha Thakur Jayantiprasad Singh	Shri Shivaji Science College Amravati	8221919677	Pass	A
44	Tanaya Vijay Meshram	Shri Shivaji Science College Amravti	8010527726	Pass	A
45	Punam Dinkarrao Akotkar	shri shivaji science college	7219845005	Pass	A
46	Durgeshwari Vilas Nichat	Sant Gadge Baba Amravati University	9130475381	Pass	A
47	Vaibhav shrikrushana Bayaskar	Shri shivaji science College Amravati	9404272914	Pass	B
48	SAKSHI RAMESH RAKHONDE	Shri Shivaji Science College Amravati	7720893016	Pass	B
49	Shruti Ramkrushna Khandare	Shri Shivaji Science College Amravati	9309855671	Pass	A

Dr.G.A.Wagh
Co-ordinator
COC-EWP

Shri Shivaji Education Society, Amravati's

Shri Shivaji Science College

Shivaji Nagar, Nagpur Road, Amravati (MS)

NAAC Accredited by Grade "A" with CGPA of 3.13 (Third Cycle),
UGC Awarded Status of College with Potential for Excellence (Second Phase),
Identified by DST, Govt of India for FIST and Sant Gadge Baba Amravati University, Amravati as Lead College

Affiliated to Sant Gadge Baba Amravati University, Amravati (MS) INDIA

CERTIFICATE

This Certificate is awarded to

Mr. Abhishek Kumar Singh

Position: Faculty **Affiliation:** University of Allahabad

For the successful completion of the Online Certificate Course on **"Nanomaterials Synthesis and Characterization Techniques (NSCT-2021)"** as prescribed and ported by the Department of Physics during 26th August -08th September 2021.

His\Her performance was Outstanding(A+).

Course Coordinator's **Head of the Department** **IQAC Coordinator** **Principal**

Date: 18/09/2021

Summary Report and Outcome

Shri Shivaji Science College Amravati
Department of Zoology
Nature & Wildlife Specialists Programme
(NWSP)
Online Certificate program- 2020-21
Summary Report

This course is design for students those want to pursue jobs as a field Biologist in National Parks, Tiger Reserves, NGOs etc. or to start working as a professional Naturalist/Wildlife Specialist as well as nature/wildlife tour leader. This program focuses intensely to elevate passionate nature enthusiasts into professional naturalists with scientific knowledge.

In all 83 students were enrolled for this course. As per the course contents various online technical sessions were conducted for the students. In addition to that students were participated in online webinars conducted by Department of Zoology, Maharashtra Pakshimitra and Wildlife and Environment Conservation Society.

Webinars were organized on different subjects viz, Floral Diversity, Medicinal plants, vegetation study methods,Ecology, Butterfly, Dragonfly, spider, aquatic fauna, Bird diversity, Reptilian Diversity, Mammals diversity Biodiversity study methods, Introduction to Adventure Kit, Introduction to Basic photography, Animal tracks and signs study methods, , Use of compass and GPS in field.

Dr.Gajanan Wagh, Dr.Jayant Wadatkar, Dr.Manjusha Wat Dr. Shrikant Warhekar, Dr.Amit Vairale, Dr.Pawan Rathod, Mr. Susil Raut, Mr. Manish Dhakulkar, Shashank Nagrale and Mr.Prajwal Lonare have delivered their lectures during technical sessions.

Course Outcomes:
1) Acquired the knowledge about Nature and Wildlife.
2) Increased awareness in participants about sustainable tourism Nature & wildlife conservation.
3) Acquired the Knowledge of floral & faunal diversity.
4) Adapted skill of wildlife photography.
5) Developed research skill for scientific documentation.

G.A. wagh

Dr.G.A.Wagh
NWSP Coordinator

Dr. H. S. LUNGE
IQAC Coordinator
Shri Shivaji Science College
Amravati.

NAAC ACCREDITED WITH "A" GRADE

Principal
Shri Shivaji Science College
AMRAVATI.