

ADD ON COURSE IN VACUUM SCIENCE & TECHNOLOGY

MANOHARBHAI SHIKSHAN PRASARAK MANDAL, ARMORI'S

MAHATMA GANDHI ARTS, SCIENCE &

LATE N. P. COMMERCE COLLEGE

Armori, Dist. Gadchiroli (M.S.) 441 208

NAAC Reaccredited with 'A' Grade

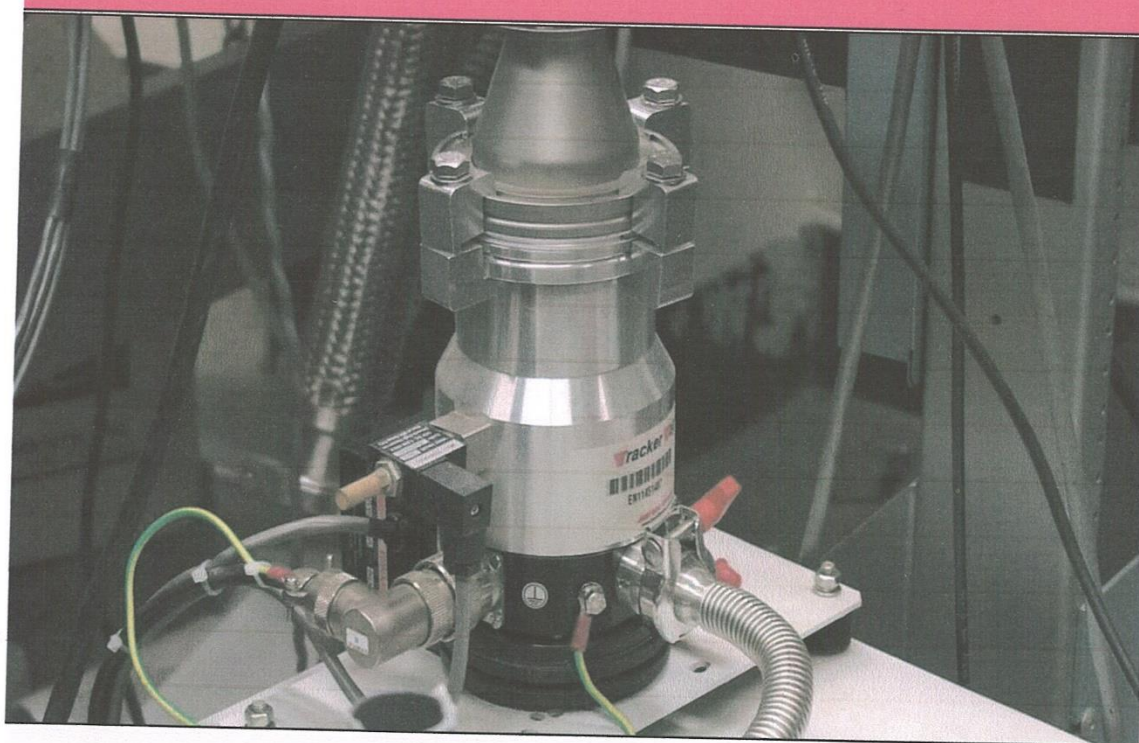


ADD-ON COURSE

IN

VACUUM SCIENCE AND TECHNOLOGY

From 15/11/2021 to 02/12/2021 (Duration: 34 Hours)



Conducted By
Department of Physics

Course Co-ordinator
Dr. Chhagan D. Mungmode

Introduction:

Vacuum technology has diversified applications in different areas of science and engineering. These includes the major fields like Electronics, Metallurgical / Chemical Processing, Food Processing, Space Simulation, Nuclear Technology, etc. This has resulted in rapid development of many sophisticated vacuum instruments, pushing the range of vacuum to 10^{-12} Torr. To introduce Undergraduate students to the field of vacuum science and technology is very essential. Keeping this in mind, present add-on course on *Vacuum Science & Technology* is undertaken by the Department of Physics.

Objectives:

The main objectives of the Add-On Course are:

1. To enhance the knowledge and skills in more specialised area of Physics beyond curriculum.
2. To provide an opportunity to students to seek the knowledge about *Vacuum Science & Technology*.

Guidelines for conducting Add-On course:

- Students studying in B.Sc. Second and Third year are eligible for registration of Add-On course.
- Classes for the Add-On Course are conducted during the reserved Time Slot in a week or beyond the regular class hours.
- An Add-On course may be also conducted during weekends/ vacation period.
- The Add-On course can be offered only if there are at least 10 students opting for it.
- The duration of the Add-On course will be 34 hours and as stated in the course content.
- The test will be conducted for 50 marks after the completion of the course and shall be internal.


Procedure for registration:

A student shall register for an Add-On Course offered during the semester by submitting the duly filled-in registration form to the course coordinator. The time table for the classes of Add-On courses will be notified to the students.

Grading:

A Multiple Choice Questions (MCQ) Test of 50 Marks will be conducted at the end of the course through online/offline mode. Minimum 75% attendance and 40% marks in test are mandatory for award of certificate. A candidate who has NOT secured a minimum of 40% of marks in a course shall not be awarded certificate. The Grades will be awarded to the students depending on the percentage of marks obtained by a candidate in a course as below.

Grade	Marks (%)
A +	75 and above
A	60 - 74
B +	55 - 69
B	45 - 54
C	40 - 44


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Course Outcomes

After learning this course student will be able to

CO1 Students get knowledge of various pumps and gauges.

CO2 Physics behind different techniques of creating and measurement of vacuum is understood.

Unit I	Production of Vacuum: Meaning of vacuum and vacuum measuring units, vacuum ranges, Properties of Vacuum, pumping speed and pump down time. (5 Hours)
Unit II	Vacuum Pumps: Mechanical pumps (Oil sealed rotary pump, Roots Pump, Molecular drag pump), Diffusion pump (Operating principles, back streaming, traps and baffles, performance ranges), Cryosorption pumps, Getter pumps (Chemical cleanup and sublimation pumps, Electrical cleanup and ion pumps, Evapor ion pumps, Sputter ion pumps, Titanium sublimation pump) (12 Hours)
Unit III	Vacuum Measurements: Measurement of low pressure, Pressure gauges for low to high vacuum, McLeod manometer, Thermal conductivity gauges, Pressure gauges for high to ultrahigh vacuum, Hot cathode ionization gauges, Cold cathode ionization gauges, Operation of High-vacuum gauges. (12 Hours)
Unit IV	Vacuum Applications: Applications in science, technology, research, space science, medical science, day to day life. Use of vacuum in particle accelerators. (5 Hours)

Reference Books:

1. Vacuum Physics and Techniques, T. A. Delchar, Chapman and Hall.
2. Vacuum Technology, A. Roth, (North Holland, Elsevier Science B.V. 1990)
3. Online resources can be used for reference.



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DEPARTMENT OF PHYSICS, M. G. ARTS, SCIENCE & LATE N. P. COMMERCE COLLEGE, ARMORI
ADD-ON COURSE IN VACUUM SCIENCE AND TECHNOLOGY (Duration: 34 Hours)

Student Attendance

Sr. No.	Student Name	15/11/2021	16/11/2021	17/11/2021	18/11/2021	20/11/2021	21/11/2021	22/11/2021	23/11/2021	24/11/2021	25/11/2021
1	Mr. Chandrakant R. Roy	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
2	Mr. Kunal A. Ramteke	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
3	Ku. Shruti D. Chaple	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
4	Ku. Prachi V. Nandardhane	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
5	Mr. Aniket V. Bhojar	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
6	Ku. Rutuja R. Kirme	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
7	Ku. Rajeshwari R. Ganvir	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
8	Ku. Bharti D. Kowachi	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
9	Ku. Sakshi V. Raut	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
10	Doltan R. Ghatarkar	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
11	Suraj B. Bhojar	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
12	Aniket M. Dunedar	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
13	Nakshatra P. Patrange	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
14	Salaha A. Pathan	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
15	Shubham S. Sayam	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
16	Nachiket A. Nagase	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
17	Dinesh A. Ishtam	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>

[Signature]
 Dr. C. D. Munyane
 course Coordinator



[Signature]

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DEPARTMENT OF PHYSIC. M. G. ARTS, SCIENCE & LATE N. P. COM. ERCE COLLEGE, ARMORI
ADD-ON COURSE IN VACUUM SCIENCE AND TECHNOLOGY (Duration: 34 Hours)

Student Attendance

Sr. No.	Student Name	26/11/2021	27/11/2021	28/11/2021	29/11/2021	30/11/2021	01/12/2021	02/12/2021	03/12/2021	04/12/2021
1	Mr. Chandrakant R. Roy									
2	Mr. Kunal A. Ramteke	Ramteke	Ramteke	Ramteke	Ramteke	Ramteke	Ramteke	Ramteke	Ramteke	Ramteke
3	Ku. Shruti D. Chaple	Chaple	Chaple	Chaple	Chaple	Chaple	Chaple	Chaple	Chaple	Chaple
4	Ku. Prachi V. Nandardhane	P.V.Nandardhane	P.V.Nandardhane	P.V.Nandardhane	P.V.Nandardhane	P.V.Nandardhane	P.V.Nandardhane	P.V.Nandardhane	P.V.Nandardhane	P.V.Nandardhane
5	Mr. Aniket V. Bhoyar	Bhoyar	Bhoyar	Bhoyar	Bhoyar	Bhoyar	Bhoyar	Bhoyar	Bhoyar	Bhoyar
6	Ku. Rutuja R. Kirme	RKirme	RKirme	RKirme	RKirme	RKirme	RKirme	RKirme	RKirme	RKirme
7	Ku. Rajeshwari R. Ganvir	Ranvir	Ranvir	Ranvir	Ranvir	Ranvir	Ranvir	Ranvir	Ranvir	Ranvir
8	Ku. Bharti D. Kowachi	Kowachi	Kowachi	Kowachi	Kowachi	Kowachi	Kowachi	Kowachi	Kowachi	Kowachi
9	Ku. Sakshi V. Raut	ARaut	ARaut	ARaut	ARaut	ARaut	ARaut	ARaut	ARaut	ARaut
10	Doltan R. Ghatarkar	DRG	DRG	DRG	DRG	DRG	DRG	DRG	DRG	DRG
11	Suraj B. Bhoyar	Bhoyar	Bhoyar	Bhoyar	Bhoyar	Bhoyar	Bhoyar	Bhoyar	Bhoyar	Bhoyar
12	Aniket M. Dunedar	Dunedar	Dunedar	Dunedar	Dunedar	Dunedar	Dunedar	Dunedar	Dunedar	Dunedar
13	Nakshatra P. Patrange	Patrange	Patrange	Patrange	Patrange	Patrange	Patrange	Patrange	Patrange	Patrange
14	Ku. Saleha A. Pathan	-AB-	-AB-	SKhan	SKhan	SKhan	-AB	SKhan	SKhan	SKhan

(Dr. C. D. Mungmode)
Course Coordinator

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ADD-ON COURSE IN VACUUM SCIENCE AND TECHNOLOGY (Duration: 34 Hours)
Student Attendance

Sr. No.	Student Name	26/11/2021	27/11/2021	28/11/2021	29/11/2021	30/11/2021	01/12/2021	02/12/2021	03/12/2021	04/12/2021
15	Shubham S. Sayam	SSay	SSay	-AB-	-AB-	SSay	SSay	SSay	SSay	-AB-
16	Nachiket A. Nagose	AN	AN	AN	AN	-AB-	AN	AN	AN	-AB-
17	Dinesh A. Ishtam	DAI	DAI	-AB-	DAI	DAI	DAI	DAI	DAI	DAI
18.	Janhvi S. Wamuli	JSW	JSW	JSW	JSW	JSW	JSW	JSW	JSW	-AB-

(Dr. C. D. Mungmode)

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**CERTIFICATE COURSE IN
HANDS ON TRAINING OF BASIC
CHEMISTRY SOFTWARE**



Manoharbai Shikshan Prasarak Mandal Armori



**Mahatma Gandhi Arts, Science and Late
Nasaruddinbhai Panjwani Commerce College**

Armori, Dist.-Gadchiroli (M.S.), India - 441208

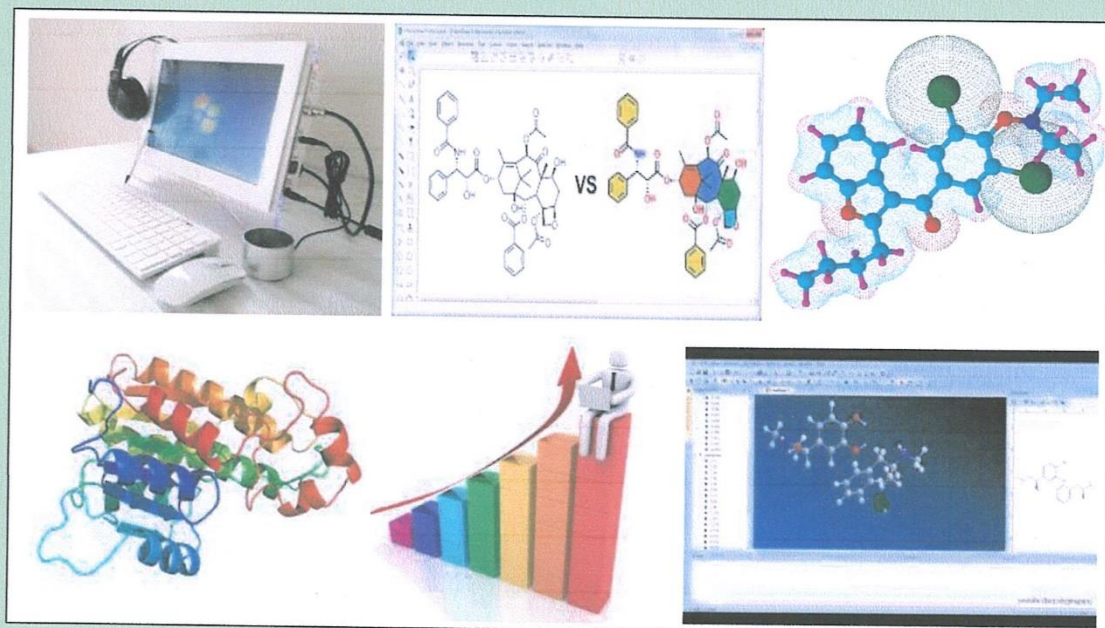
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Department of Chemistry (2021-2022)
**"Certificate Course in Hands on Training of Basic
Chemistry Software's "**

Course Duration- 30 Hours

Number of seats-50

Eligibility:- All B.Sc. final year students having chemistry subject and all M.Sc. Chemistry students are eligible.



Salient features of certificate course:

- ✓ Theory and practical session as per curriculum.
- ✓ Lectures include entire process of downloading and installation of these software's.
- ✓ Hands on training on all these software's.
- ✓ At end of course candidate will be able to use these open source software's independently for their work.
- ✓ A certificate will be issued to the successful candidates.

Objectives: The main Objectives of this certificate Course are:

- ❖ To provide an opportunity to students to seek the knowledge about various latest essential open source chemistry tools which are Crucial for students and Researcher.
- ❖ Improve their software uses skills through hands on training.
- ❖ At the end of course :
 - a) The students will be able to use these software's for drawing chemical structures, generation of their names.
 - b) Retrieve information about physical properties calculations, three-dimensional molecular structure, spectroscopic analysis.
 - c) Able to draw graphs by using origin software and do analysis of collected data.

Guidelines for conducting Certificate course:

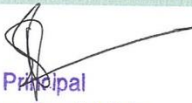
- ❖ Students studying in Third year and M.Sc. are eligible for registration of this certificate course.
- ❖ Practical's for the hands on training are conducted during the reserved Time Slot in a week or beyond the regular class hours.
- ❖ This course may be also conducted during weekends/ vacation period.
- ❖ The duration of the course will be 30 hours.
- ❖ Evaluation Process :- internal assignment are given after Completion of module and final test. will be conducted for 50 marks after the completion of the course.
- ❖ All successful candidates will be awarded with certificates.

Procedure for registration: A student shall register for Course offered during the semester by submitting the duly filled-in registration form to the course coordinator.

The time table for the classes of course will be notified to the students.

Grading: A Multiple Choice Test (MCQ) of 50 Marks will be conducted at the end of the course through online/offline mode. Minimum 75% attendance and 40% marks in test are mandatory for award of certificate. A candidate who has NOT secured a minimum of 40% of marks in a course shall not be awarded certificate. The Grades will be awarded to the students depending on the percentage of marks obtained by a candidate in a course as below

<i>Grade</i>	<i>Marks (%)</i>
<i>A +</i>	<i>75 and above</i>
<i>A</i>	<i>60 - 74</i>
<i>B +</i>	<i>55 - 69</i>
<i>B</i>	<i>45 - 54</i>
<i>C</i>	<i>40 - 44</i>


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Syllabus of certificate course


Module -1 (18 hours)	Cambridge ChemDraw Ultra software:- A) Introduction, download and installation process, Drawing various chemical structures (acyclic, cyclic, polycyclic, heterocyclic), nomenclature generation, conversion of name into molecular structure, calculation of physical properties such as density, molecular weight, molecular formula from structural formula. H^1 , C^{13} NMR prediction from molecular structure, Drawing structure of bigger molecules such as proteins, carbohydrates, and RNA/DNA, bio arts, use of templates.
	B) Chem3D software:- Introduction, download and installation process, 3D structure of molecules, various 3D structure models, conversion of 2D structure into 3D structure.
Module -2 (10 hours)	Origin Pro Data Analysis and Graphic Basic : Introduction; Learn to plot data; 2D plots in graph; 3D plots in graph; Data fitting; Multiple plots; Quick tips and tricks.
Module -3 (2 hours)	Online Database Searching : Introduction to online chemical database search, Searching and downloading research papers using keywords in Scopus, Science direct, and google scholar.

Learning outcomes:-

1. After successful completion of this module-1 candidate will be able to use Cambridge ChemDraw Ultra for generation, processing and calculation of physical/chemical properties of simple and complex molecules.
2. After successful completion of this module-2 candidate will be able to Draw 2D and 3D Graphs from collected data and analyses it by using Origin Software.
3. After successful completion of this module-3 candidate will be able to use online research tools efficiently and will be able to search research papers related to their topics more efficiently.

Course Coordinator
Dr. Satish S. Kola & Dr. Naresh D. Bansod
(Assistant Professor)

Head
Department of chemistry
Prof. Satendra M. Sontakke


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CERTIFICATE COURSE IN HERBAL MEDICINE

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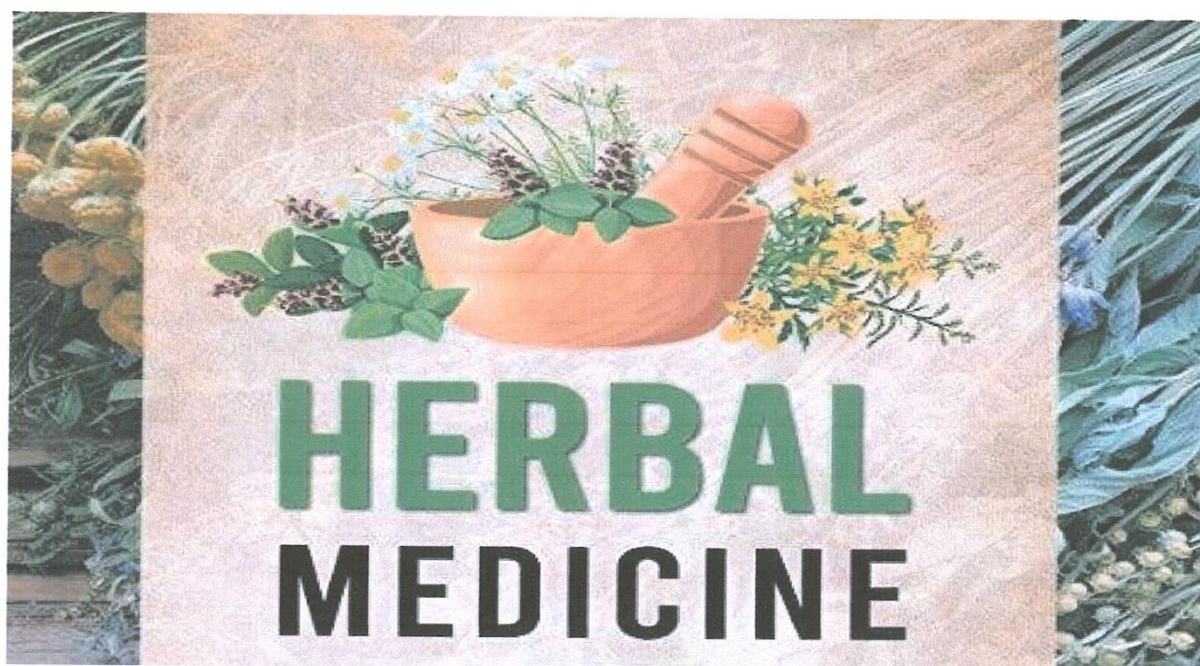


CERTIFICATE COURSE

IN

HERBAL MEDICINE

From 10/11/2021 to 5/01/2022



Conducted by
Department of Botany

Course Co-ordinator
Prof. Dr. Seema T. Nagdeve

Introduction:

Herbal medicines derive from the plants and plant extracts having medicinal value. During the metabolic processes, plants become the source of a variety of chemicals, which can be classified into primary metabolites that are produced by all the plants, and secondary metabolites that are produced by only some of the plants. Many of these secondary metabolites have therapeutic properties and hence are used for producing drugs. Use of herbal medicine, sometimes also referred as 'Herbalism', is an ancient practice for healing.

In most of the developing countries, the main source of medicines is plants and emphasis is given to indigenous forms of medicine rather than to rely on imported drugs, which are not only expensive, but are often incompatible with the local diseases. The commercial value of herbal medicines is high and gaining momentum in international market. The growing market for herbal medicines and other natural health care products also demands an extensive research not only for its great healthcare potential but also for the commercial benefit.

In order to acquaint the scientists, researchers, academicians and industry representatives who are engaged in the work on the developments in the fields of medicinal plants, herbal medicines and traditional systems of medicines. This workshop will be instrumental in bringing together the experts on traditional medicines to take an inventory of the major medicines in their respective regions / sub-regions as well as manufacturers of traditional medicines to share knowledge and experiences and seek possible business expansion.

Objectives:

The main objectives of the Certificate Course are:

1. The Herbal Medicine certificate course provides high quality training which equips graduates to build successful practices.
2. It is carefully structured. Each study unit builds on the previous one, allowing students to develop their confidence and skills, and reach their full potential as Herbalists.

Guidelines for conducting Certificate course:


- Students studying in B.Sc. III year are eligible for registration of Certificate course.
- Classes for the Certificate Course are conducted during the reserved Time Slot in a week or beyond the regular class hours.
- An Certificate course may be also conducted during weekends/ vacation period.
- The Certificate course can be offered only if there are at least 10 students opting for it.
- The duration of the Certificate course will be 45 hours and as stated in the course content.
- The test will be conducted for 100 marks (Theory 50 and practical 50) after the completion of the course and shall be internal.

Procedure for registration:

A student shall register for an Certificate Course offered during the semester by submitting the duly filled-in registration form to the course coordinator. The time table for the classes of Certificate courses will be notified to the students.

Grading:

A Multiple Choice Questions (MCQ) or descriptive Test of 50 Marks and practical test of 50 marks will be conducted at the end of the course through online/offline mode. Minimum 75% attendance is mandatory for award of certificate. The Grades will be awarded to the students depending on the percentage of marks obtained by a candidate in a course as below.


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Grade	Marks (%)
A	75 and above
B	60 - 74
C	Below 60

Course Outcomes

1. Trained graduates are practising- self-employment (part time or full time).
2. Change career, learn how to help others, improve your health and establish a rewarding business.
3. Students can easily identify the medicinal plants in and around their home town.

Unit I	1. Study of different medicinal plants <i>Aloe vera, Asparagus racemosus, Adhatodavasica, Acaccianilotica, Azadirachta indica, Moringa lofera, cymbopogancitratus, Emblica officinalis, Ocimum sanctum, Bell, Cassia tora, Hirda, Cymbopogon citratus, Phyllanthus niruri, Bringraj/Maka, Hibiscus rosa-sinensis, Tinospora cordifolia, Vitex negundo</i>
Unit II	Various uses of different medicinal plants
Unit III	Study of Herbal Products Adulsakalpa, Shatavari Kalpa, Crack cream, Pain balm, Herbal hair oil, Herbal hair Shampoo, Vatahar oil (Joint pain Oil), Tooth powder, Herbal tea etc.
Practical (50 Marks)	<ol style="list-style-type: none"> 1. Preparation of Adulsakalpa 2. Preparation of Shatavarikalpa 3. Preparation of Herbal hair Oil 4. Preparation of Joint pain Oil (Vatahar oil) 5. Preparation of Crack Cream 6. Preparation of Herbal hair shampoo 7. Preparation of Herbal tea

Reference Books:

1. Van Aushadhi Nirmiti, Mahiti Pustika- Dr. Satish Gogulwar and Pradip Soudagar
2. Online Resources can be used for references.



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Students Attendance



		Date _____ Page _____			Date _____ Page _____						
SR-NO.	Name of Student	5.12.2021	3.12.2021	4.12.2021	5.12.2021	3.12.2021	10.12.2021				
1	Martina R. Ghonmode	Ghonmode	Ghonmode	Ghonmode	Ghonmode	Ghonmode	Ghonmode				
2	Ruchi T. Lakhankar	Rachig	Rachig	Rachig	AB	Rachig	Rachig				
3	Gyashvi K. Nikose	A.B	Gshvi	Gshvi	Gshvi	Gshvi	Gshvi				
4	Anjali N. Chaudhary	AB	AB	AB	AB	AB	AB				
5	Dipali Shende	AB	D.S. Shende	D.S. Shende	D.S. Shende	D.S. Shende	AB				
6	Asmita Gedam	AT.Gedam	A.T.Gedam	A.T.Gedam	A.T.Gedam	A.T.Gedam	A.T.Gedam				
7	Kalyani Jummale	Jummale	Jummale	Jummale	Jummale	Jummale	Jummale				
8	Mayuri K. Gurnule	Gurnule	Gurnule	Gurnule	Gurnule	Gurnule	Gurnule				
9	Diksha N. Kothalkar	Kothalkar	Kothalkar	Kothalkar	Kothalkar	Kothalkar	Kothalkar				
10	Nishita D. Khurde	N.D.Khurde	N.D.Khurde	N.D.Khurde	N.D.Khurde	N.D.Khurde	N.D.Khurde				
11	Pallavi Kawade	AB	P. Kawade	P. Kawade	AB	P. Kawade	P. Kawade				
12	Ragini Lakade	Rakade	Rakade	Rakade	Rakade	Rakade	Rakade				
13	Vaidavi Badwaik	V. Badwaik	V. Badwaik	V. Badwaik	V. Badwaik	V. Badwaik	V. Badwaik				
14	Payal Raut	AB	AB	AB	AB	AB	AB				
15	Twinkal Kharkate	Kharkate	Kharkate	AB	Kharkate	Kharkate	Kharkate				
16	Vibha Tambhane	Tambhane	Tambhane	Tambhane	Tambhane	Tambhane	Tambhane				
17	Bhushan Madhumate	B.M. Madhumate	B.M. Madhumate	B.M. Madhumate	B.M. Madhumate	B.M. Madhumate	B.M. Madhumate				
18	Vishal Mali	AB	AB	AB	AB	AB	AB				
19	Chabila Kharkate	Kharkate	Kharkate	Kharkate	Kharkate	Kharkate	Kharkate				
20	Priya Sahare	P.V. Sahare	P.V. Sahare	P.V. Sahare	P.V. Sahare	P.V. Sahare	P.V. Sahare				
21	Revati Sondarkar	Revati	Revati	Revati	Revati	Revati	Revati				
22	Pranali Gayakwad	Gayakwad	Gayakwad	Gayakwad	Gayakwad	Gayakwad	Gayakwad				
23	Poonam Dighole	AB	AB	AB	AB	AB	AB				
24	Venu Donadkar	Donadkar	Donadkar	Donadkar	Donadkar	Donadkar	Donadkar				
25	Shivani Boga	AB	AB	AB	AB	AB	AB				
26	Bhagyashri Sakate	Sakate	Sakate	Sakate	Sakate	Sakate	Sakate				

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Sl. No.	Name of Student	10-11-2021		11-11-2021		15-11-2021	16-11-2021	17-11-2021	18-11-2021	22-11-2021	23-11-2021	24-11-2021
		10-11-2021	11-11-2021	10-11-2021	11-11-2021	15-11-2021	16-11-2021	17-11-2021	18-11-2021	22-11-2021	23-11-2021	24-11-2021
1)	Martina R. Ghanmode	ggh	ggh	ggh	ggh	ggh	ggh	ggh	ggh	ggh	ggh	ggh
2)	Ruchi T. Lakhankar	Ruchig	Ruchig	Ruchig	Ruchig	Ruchig	Ruchig	Ruchig	Ruchig	Ruchig	Ruchig	Ruchig
3)	Ojaswini K. Nikose	Osh	Osh	Osh	Osh	Osh	Osh	Osh	Osh	Osh	Osh	Osh
4)	Ajñali N. Bhanarkar	Ash	AD	Ash	Ash	Ash	Ash	Ash	Ash	Ash	Ash	Ash
5)	Dipali Shende	D.s.shende	D.s.shende	D.s.shende	D.s.shende	D.s.shende	D.s.shende	D.s.shende	D.s.shende	D.s.shende	D.s.shende	D.s.shende
6)	Asmita T. Gedam	AT.Gedam	AT.Gedam	AT.Gedam	AT.Gedam	AT.Gedam	AT.Gedam	AT.Gedam	AT.Gedam	AT.Gedam	AT.Gedam	AT.Gedam
7)	Kalyani Jurnake	KJurnake	KJurnake	KJurnake	KJurnake	KJurnake	KJurnake	KJurnake	KJurnake	KJurnake	KJurnake	KJurnake
8)	Mayuri K. Gurnule	M.Gurnule	M.Gurnule	M.Gurnule	M.Gurnule	M.Gurnule	M.Gurnule	M.Gurnule	M.Gurnule	M.Gurnule	M.Gurnule	M.Gurnule
9)	Diksha Khatkare	D.Khatkare	D.Khatkare	D.Khatkare	D.Khatkare	D.Khatkare	D.Khatkare	D.Khatkare	D.Khatkare	D.Khatkare	D.Khatkare	D.Khatkare
10)	Nikhil Khevale	N.D.Khevale	N.D.Khevale	N.D.Khevale	N.D.Khevale	N.D.Khevale	N.D.Khevale	N.D.Khevale	N.D.Khevale	N.D.Khevale	N.D.Khevale	N.D.Khevale
11)	Pallavi Kawde	P. Kawde	P. Kawde	P. Kawde	P. Kawde	P. Kawde	P. Kawde	P. Kawde	P. Kawde	P. Kawde	AB	P. Kawde
12)	Ragini Lakde	R.Lakde	R.Lakde	R.Lakde	R.Lakde	R.Lakde	R.Lakde	R.Lakde	R.Lakde	R.Lakde	R.Lakde	R.Lakde
13)	Revati Sondarkar	Revati	Revati	Revati	Revati	Revati	Revati	Revati	Revati	Revati	Revati	Revati
14)	Vaidavi Badwix	V.Badwix	V.Badwix	V.Badwix	V.Badwix	V.Badwix	V.Badwix	V.Badwix	V.Badwix	V.Badwix	V.Badwix	V.Badwix
15)	Pooja Raut	P.Raut	P.Raut	P.Raut	P.Raut	P.Raut	P.Raut	P.Raut	P.Raut	P.Raut	P.Raut	P.Raut
16)	Twinkal Kharkate	T.Kharkate	T.Kharkate	T.Kharkate	T.Kharkate	T.Kharkate	T.Kharkate	T.Kharkate	T.Kharkate	T.Kharkate	T.Kharkate	T.Kharkate
17)	Vibha Jonbandhu	V.Jonbandhu	V.Jonbandhu	V.Jonbandhu	V.Jonbandhu	V.Jonbandhu	V.Jonbandhu	V.Jonbandhu	V.Jonbandhu	V.Jonbandhu	V.Jonbandhu	V.Jonbandhu
18)	Bhushan Madhumatke	B.M.Madhumatke	B.M.Madhumatke	B.M.Madhumatke	B.M.Madhumatke	B.M.Madhumatke	B.M.Madhumatke	B.M.Madhumatke	B.M.Madhumatke	B.M.Madhumatke	AB	B.M.Madhumatke
19)	Vishal Mali	V.Mali	V.Mali	V.Mali	V.Mali	V.Mali	AB	V.Mali	AB	V.Mali	V.Mali	V.Mali
20)	Chobila Kharkate	C.Kharkate	C.Kharkate	C.Kharkate	C.Kharkate	C.Kharkate	C.Kharkate	C.Kharkate	C.Kharkate	C.Kharkate	C.Kharkate	C.Kharkate
21)	Priya Sahas	P.V.Sahas	P.V.Sahas	P.V.Sahas	P.V.Sahas	P.V.Sahas	P.V.Sahas	P.V.Sahas	P.V.Sahas	P.V.Sahas	P.V.Sahas	P.V.Sahas
22)	Pronali Gayakwad	P.Gayakwad	AB	P.Gayakwad	P.Gayakwad	P.Gayakwad	P.Gayakwad	P.Gayakwad	AB	P.Gayakwad	P.Gayakwad	P.Gayakwad
23)	Punam Dig Dighore	P.Dighore	P.Dighore	P.Dighore	P.Dighore	P.Dighore	P.Dighore	P.Dighore	P.Dighore	P.Dighore	AB	P.Dighore
24)	Venu Donadkar	V.Donadkar	V.Donadkar	V.Donadkar	V.Donadkar	V.Donadkar	AB	V.Donadkar	V.Donadkar	V.Donadkar	V.Donadkar	V.Donadkar
25)	Shivani Boga	S.Boga	S.Boga	S.Boga	S.Boga	S.Boga	S.Boga	S.Boga	S.Boga	S.Boga	S.Boga	S.Boga
26)	Bhagyashree Sabale	AB	S.Bale	S.Bale	S.Bale	S.Bale	S.Bale	AB	S.Bale	S.Bale	AB	S.Bale

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CERTIFICATE COURSE IN SERICULTURE

MANOHARBHAI SHIKSHAN PRASARAK MANDAL, ARMORI'S

**MAHATMA GANDHI ARTS, SCIENCE &
LATE N. P. COMMERCE COLLEGE**

Armori, Dist. Gadchiroli (M.S.) 441 208


NAAC Reaccredited with 'A' Grade



CAREER ORIENTED PROGRAMME
CERTIFICATE COURSE IN SERICULTURE



Course Coordinator
Dr. Jayesh. N. Papadkar


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N. P. Commerce College,
Armori, Dist - Gadchiroli



Introduction:

Sericulture vast and varied requires professionally trained manpower to develop, promote and plan the sericulture resources in the global competitive market. Now a days sericulture industry and education are prime concern in India. Managerial efficiencies and effectiveness is the need of our modern sericulture to cater the needs of experience enriched and sericulture farmer communities. Studies disclosed that sericulture would create more employment to students and farmers as alternative crop for high yield.

Objectives:

To develop highly professional manpower in Tasar silk and sericulture sector. In sericulture the basic requirement lies systematic quality-based coaching and training in advance science and technology/ innovations. Therefore, the course is designed to train and provide expert human resource to skill industry and expected to bring direct benefits to rural development and sericulture farming community.

1. To develop interest in the field of Agriculture science among students.
2. To cultivate public awareness and appreciation for Sericulture as a hobby and science.
3. To motivate students for scientific study in the field of Agro-based Industry by performing simple projects and field visits.
4. To develop the skill, how to develop and earn regular incomes through sericulture in the villages of Armori
5. Many Government Subsidies' and facilities are provided for the farmers. Students also get benefited after completion of this certificate course and they can cultivate sericulture crop.

Guidelines for conducting certificate course:**Duration of the course:**

The duration of the course is 2 months and the lectures will be delivered twice a week, two hours from 01.00 PM to 03.00 PM. These timings will be suitable for students.

Course pattern:

Students will be required to undergo learning in theory, practical, Students also will be exposed to industrial exposure through Industrial visits to get familiar Tasar cultivation, silkworm rearing. Raw silk production, silk worm egg production, reeling, and cocoon formation.

Eligibility for Admission: Students passing with HSC.


Medium of Instruction: ENGLISH / MARATHI

Utility of the proposed course:-

- ❖ Skills development
- ❖ Entrepreneur

Total Credits for the Course: -

S.NO	Unit	Title	Theory Hours Class per week	Practical Hours	Total credit		Total marks
					Theory credit	Practical credit	
1	Unit 1	History of Sericulture	4	-	4	6	10
2	Unit 2	Rearing of silkworms	4	-	-	-	10
3	Unit 3	Harvesting	4	-	-	-	10
4	Unit 4	Diseases Preventions	4	-	-	-	10
5	Practical training and visit to Tasar centre Armori		-	6	-	-	60
	Total marks				Total credit -10		100


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Syllabus: Theory
Certificate Course in Sericulture (Marks :40 M)

UNIT I: History of Sericulture (10 Marks)

- 1.1 Introduction to sericulture:
- 1.2 Cultivation of food plants.
- 1.3 Bioecology of Tasar silkworms.

Unit II: Rearing of silkworms (10 Marks)

- 2.1 Rearing of silkworms.
- 2.2 Equipment's or requirements for rearing.
- 2.3 Favorable Climatic conditions for rearing.

Unit III: Harvesting (10 Marks)

- 3.1 Harvesting and processing of cocoons.
- 3.2 Stifling and reeling of cocoons
- 3.2.1. Reeling's selling to Textile mills through Government sanctioned rates.
- 3.2.2. Government Subsidies and Schemes for Sericulture farming.
- 3.3 Reeling appliances

Unit IV: Diseases n Preventions (10 Marks)

- 4.1 Diseases of Anthria mylita
- 4.2 Preventive measures for disease free cocoon production.
- 4.2 Predators and parasitoids of silkworm and their management

PRACTICAL: 60 Marks

Experiment no	Title of Experiment
Experiment no. 1	Estimation of Hatching and Brushing percentage of silkworm, eggs.
Experiment no. 2	Estimation of silkworm larval density in the bed and on Yen, Arjun trees.
Experiment no. 3	Estimation of Cocoon shell ratio.
Experiment no. 4	Identification of different silkworm diseases
Experiment no. 5	Study of life cycle of Tasar silk worm

The students were introduced (Details of Syllabus with evaluation process)

History of Sericulture, Rearing of silkworms, Harvesting, and Diseases & Preventions there are four units for certificate course one objective type question paper of 40 marks will be taken as well as for field visit 60 marks allotted. Passing marks will be 45, after examination certificate will issued.

Course Outcomes: -

1. Job Opportunities in different sectors in the field of Sericulture
2. Students can start own farming and crop cultivation and they get Self-employment Opportunities.
3. After completion of this certificate course students can take admission in advance Sericulture courses. BSc, MSc in Sericulture



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Career Orientation Programme In Sericulture

Attendance Sheet

Class : B.Sc.II Sem-III

Teacher Name and Sign. : Dr. J. N. Papadkar


Medium : English

Session : 2021-22

Month : November

S. N.	Name of Student	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
1	Payal Vilad Sorte	Payal	Payal	Payal		Payal		Payal		Payal	Payal	Payal	Payal		Payal	Payal	
2	Kiran Raghunath Narnaware	Kiran	Kiran	Kiran		Kiran		Kiran		Kiran	Kiran	Kiran	Kiran		Kiran	Kiran	
3	Rohini Wasudeo Nandanwar	Rohini	Rohini	Rohini		Rohini		Rohini		Rohini	Rohini	Rohini	Rohini		Rohini	Rohini	
4	Sneha Raju Tichkule	Sneha	Sneha	Sneha		Sneha		Sneha		Sneha	Sneha	Sneha	Sneha		Sneha	Sneha	
5	Mayuri Dinkar Meshram	Mayuri	Mayuri	Mayuri		Mayuri		Mayuri		Mayuri	Mayuri	Mayuri	Mayuri		Mayuri	Mayuri	
6	Gaur Dinkar Meshram	Gaur	Gaur	Gaur		Gaur		Gaur		Gaur	Gaur	Gaur	Gaur		Gaur	Gaur	
7	Sakshi Sudhir Shiwankar	Sakshi	Sakshi	Sakshi		Sakshi		Sakshi		Sakshi	Sakshi	Sakshi	Sakshi		Sakshi	Sakshi	
8	Laxmi Indrakumar Kodape	Laxmi	Laxmi	Laxmi		Laxmi		Laxmi		Laxmi	Laxmi	Laxmi	Laxmi		Laxmi	Laxmi	
9	Kalyani Ashok Waghade	Kalyani	Kalyani	Kalyani		Kalyani		Kalyani		Kalyani	Kalyani	Kalyani	Kalyani		Kalyani	Kalyani	
10	Yutika Ravindra Kokode	Yutika	Yutika	Yutika		Yutika		Yutika		Yutika	Yutika	Yutika	Yutika		Yutika	Yutika	
11	Sneha Dadaji Meshram	Sneha	Sneha	Sneha		Sneha		Sneha		Sneha	Sneha	Sneha	Sneha		Sneha	Sneha	
12	Vaishnavi V. Bansod	Vaishnavi	Vaishnavi	Vaishnavi		Vaishnavi		Vaishnavi		Vaishnavi	Vaishnavi	Vaishnavi	Vaishnavi		Vaishnavi	Vaishnavi	
13	Priti Yashwant Meshram	Priti	Priti	Priti		Priti		Priti		Priti	Priti	Priti	Priti		Priti	Priti	
14	Shivani Ravindra Akhade	Shivani	Shivani	Shivani		Shivani		Shivani		Shivani	Shivani	Shivani	Shivani		Shivani	Shivani	
15	Shital Nawalaji Anole	Shital	Shital	Shital		Shital		Shital		Shital	Shital	Shital	Shital		Shital	Shital	
16	Sushma Rushishwar Pradhan	Sushma	Sushma	Sushma		Sushma		Sushma		Sushma	Sushma	Sushma	Sushma		Sushma	Sushma	
17	Gayatri Chintaman Fapanwade	Gayatri	Gayatri	Gayatri		Gayatri		Gayatri		Gayatri	Gayatri	Gayatri	Gayatri		Gayatri	Gayatri	

		16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
18	Prachi Ganesh Naitam	Paitam	Paitam	Paitam	Paitam	Paitam		Paitam	Paitam	Paitam	Paitam	Paitam	Paitam		Paitam	Paitam	
19	Samiksha Devrao Uikey	SUKE	SUKE	SUKE	SUKE	SUKE		SUKE	SUKE	SUKE	SUKE	SUKE	SUKE		SUKE	SUKE	
20	Vaishnavi Dnyaneshwar Kuthe	Ruthe	Ruthe	Ruthe		Ruthe		Ruthe	Ruthe	Ruthe	Ruthe	Ruthe	Ruthe		Ruthe	Ruthe	
21	Mayuri Digambar Dharme	Miharna	Miharna	Miharna	X	Miharna		Miharna	Miharna	Miharna	Miharna	Miharna	Miharna		Miharna	Miharna	
22	Jayshri Vitthal Petkule	J.V. Petkule	J.V. Petkule	J.V. Petkule		J.V. Petkule		J.V. Petkule	J.V. Petkule	J.V. Petkule	J.V. Petkule	J.V. Petkule	J.V. Petkule		J.V. Petkule	J.V. Petkule	
23	Asmita Santosh Mohurle	Asmita	Asmita	Asmita	D			Asmita	Asmita	Asmita	Asmita	Asmita	Asmita		Asmita	Asmita	
24	Pranali Tanaji Kuthe																
25	Ashwini Lalaji Nagmoti	Alegmoti	Alegmoti	Alegmoti	L	Alegmoti	2	Alegmoti	Alegmoti	Alegmoti	Alegmoti	Alegmoti	Alegmoti		Alegmoti	Alegmoti	
26	Pranjali Namdeo Darve	P.N. Darve	P.N. Darve		0		2	P.N. Darve	P.N. Darve	P.N. Darve	P.N. Darve	P.N. Darve	P.N. Darve		P.N. Darve	P.N. Darve	
27	Puja Dilip Gondane	Pondane	Pondane	Pondane	2	Pondane	5	Pondane	Pondane	Pondane	Pondane	Pondane	Pondane		Pondane	Pondane	
28	Jayant Namdev Hargule	JNH	JNH	JNH				JNH	JNH	JNH	JNH	JNH	JNH		JNH	JNH	
29	Arpit Homraj Juare																
30	Sameer Bhaktadas Motghare	BML	BML	BML				BML	BML	BML	BML	BML	BML		BML	BML	
31	Virendra B. Randhaye	VR	VR	VR				VR	VR	VR	VR	VR	VR		VR	VR	


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Career Orientation Programme In Sericulture

Attendance Sheet

Class : B.Sc.II Sem-III

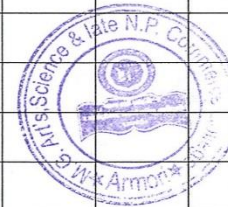
Teacher Name and Sign. : Dr. J. N. Popadkar

Medium : English

Session : 2021-22

Month : December

S. N.	Name of Student	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	Payal Vilad Sorte	<u>Payal</u>	<u>Payal</u>	<u>Payal</u>	<u>Payal</u>			<u>Payal</u>	<u>Payal</u>	<u>Payal</u>	<u>Payal</u>					
2	Kiran Raghunath Narnaware	<u>Kiran</u>	<u>Kiran</u>	<u>Kiran</u>	<u>Kiran</u>		<u>Kiran</u>	<u>Kiran</u>	<u>Kiran</u>	<u>Kiran</u>	<u>Kiran</u>	<u>Kiran</u>				
3	Rohini Wasudeo Nandanwar	<u>R. Nandanwar</u>	<u>R. Nandanwar</u>	<u>R. Nandanwar</u>	<u>R. Nandanwar</u>		<u>R. Nandanwar</u>	<u>R. Nandanwar</u>	<u>R. Nandanwar</u>	<u>R. Nandanwar</u>	<u>R. Nandanwar</u>	<u>R. Nandanwar</u>				
4	Sneha Raju Tichkule	<u>Sneha</u>	<u>Sneha</u>	<u>Sneha</u>	<u>Sneha</u>		<u>Sneha</u>	<u>Sneha</u>	<u>Sneha</u>	<u>Sneha</u>	<u>Sneha</u>	<u>Sneha</u>				
5	Mayuri Dinkar Meshram	<u>Mayuri</u>	<u>Mayuri</u>	<u>Mayuri</u>	<u>Mayuri</u>		<u>Mayuri</u>	<u>Mayuri</u>	<u>Mayuri</u>	<u>Mayuri</u>	<u>Mayuri</u>	<u>Mayuri</u>				
6	Gaur Dinkar Meshram	<u>Gaur</u>	<u>Gaur</u>	<u>Gaur</u>	<u>Gaur</u>		<u>Gaur</u>	<u>Gaur</u>	<u>Gaur</u>	<u>Gaur</u>	<u>Gaur</u>	<u>Gaur</u>				
7	Sakshi Sudhir Shiwankar	<u>Sakshi</u>	<u>Sakshi</u>	<u>Sakshi</u>	<u>Sakshi</u>		<u>Sakshi</u>	<u>Sakshi</u>	<u>Sakshi</u>	<u>Sakshi</u>	<u>Sakshi</u>	<u>Sakshi</u>				
8	Laxmi Indrakumar Kodape	<u>Laxmi</u>	<u>Laxmi</u>	<u>Laxmi</u>	<u>Laxmi</u>		<u>Laxmi</u>	<u>Laxmi</u>	<u>Laxmi</u>	<u>Laxmi</u>	<u>Laxmi</u>	<u>Laxmi</u>				
9	Kalyani Ashok Waghade	<u>K. A. Waghade</u>	<u>K. A. Waghade</u>	<u>K. A. Waghade</u>	<u>K. A. Waghade</u>		<u>K. A. Waghade</u>	<u>K. A. Waghade</u>	<u>K. A. Waghade</u>	<u>K. A. Waghade</u>	<u>K. A. Waghade</u>	<u>K. A. Waghade</u>				
10	Yutika Ravindra Kokode	<u>Yutika</u>	<u>Yutika</u>	<u>Yutika</u>	<u>Yutika</u>		<u>Yutika</u>	<u>Yutika</u>	<u>Yutika</u>	<u>Yutika</u>	<u>Yutika</u>	<u>Yutika</u>				
11	Sneha Dadaji Meshram	<u>Sneha</u>	<u>Sneha</u>	<u>Sneha</u>	<u>Sneha</u>		<u>Sneha</u>	<u>Sneha</u>	<u>Sneha</u>	<u>Sneha</u>	<u>Sneha</u>	<u>Sneha</u>				
12	Vaishnavi V. Bansod	<u>Bansod</u>	<u>Bansod</u>	<u>Bansod</u>	<u>Bansod</u>		<u>Bansod</u>	<u>Bansod</u>	<u>Bansod</u>	<u>Bansod</u>	<u>Bansod</u>	<u>Bansod</u>				
13	Priti Yashwant Meshram	<u>Priti</u>	<u>Priti</u>	<u>Priti</u>	<u>Priti</u>		<u>Priti</u>	<u>Priti</u>	<u>Priti</u>	<u>Priti</u>	<u>Priti</u>	<u>Priti</u>				
14	Shivani Ravindra Akhade	<u>S. R. Akhade</u>	<u>S. R. Akhade</u>	<u>S. R. Akhade</u>	<u>S. R. Akhade</u>		<u>S. R. Akhade</u>	<u>S. R. Akhade</u>	<u>S. R. Akhade</u>	<u>S. R. Akhade</u>	<u>S. R. Akhade</u>	<u>S. R. Akhade</u>				
15	Shital Nawalaji Anole	<u>Anole</u>	<u>Anole</u>	<u>Anole</u>	<u>Anole</u>		<u>Anole</u>	<u>Anole</u>	<u>Anole</u>	<u>Anole</u>	<u>Anole</u>	<u>Anole</u>				
16	Sushma Rushishwar Pradhan	<u>S. R. Pradhan</u>	<u>S. R. Pradhan</u>	<u>S. R. Pradhan</u>	<u>S. R. Pradhan</u>		<u>S. R. Pradhan</u>	<u>S. R. Pradhan</u>	<u>S. R. Pradhan</u>	<u>S. R. Pradhan</u>	<u>S. R. Pradhan</u>	<u>S. R. Pradhan</u>				
17	Gayatri Chintaman Fapanwade	<u>Gayatri</u>	<u>Gayatri</u>	<u>Gayatri</u>	<u>Gayatri</u>		<u>Gayatri</u>	<u>Gayatri</u>	<u>Gayatri</u>	<u>Gayatri</u>	<u>Gayatri</u>	<u>Gayatri</u>				



[Signature]

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Science & Late
N. P. Commerce College,
Armori, Dist - Gadchiroli

		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
18	Prachi Ganesh Naitam	<u>P.Naitam</u>	<u>P.Naitam</u>	<u>P.Naitam</u>	<u>P.Naitam</u>	1	<u>P.Naitam</u>	<u>P.Naitam</u>	<u>P.Naitam</u>	<u>P.Naitam</u>	<u>P.Naitam</u>	<u>P.Naitam</u>				
19	Samiksha Devrao Uikey	<u>S.Uikey</u>	<u>S.Uikey</u>	<u>S.Uikey</u>	<u>S.Uikey</u>		<u>S.Uikey</u>	<u>S.Uikey</u>	<u>S.Uikey</u>	<u>S.Uikey</u>	<u>S.Uikey</u>	<u>S.Uikey</u>				
20	Vaishnavi Dnyaneshwar Kuthe	<u>V.Kuthe</u>	<u>V.Kuthe</u>	<u>V.Kuthe</u>	<u>V.Kuthe</u>		<u>V.Kuthe</u>	<u>V.Kuthe</u>	<u>V.Kuthe</u>	<u>V.Kuthe</u>	<u>V.Kuthe</u>	<u>V.Kuthe</u>				
21	Mayuri Digambar Dharne	<u>M.Dharne</u>	<u>M.Dharne</u>	<u>M.Dharne</u>	<u>M.Dharne</u>		<u>M.Dharne</u>	<u>M.Dharne</u>	<u>M.Dharne</u>	<u>M.Dharne</u>	<u>M.Dharne</u>	<u>M.Dharne</u>				
22	Jayshri Vitthal Petkule	J.V. Petkule	J.V. Petkule	J.V. Petkule	J.V. Petkule	2	J.V. Petkule	J.V. Petkule	J.V. Petkule	J.V. Petkule	J.V. Petkule	J.V. Petkule	2			
23	Asmita Santosh Mohurle	<u>A.Mohurle</u>	<u>A.Mohurle</u>	<u>A.Mohurle</u>	<u>A.Mohurle</u>	2	<u>A.Mohurle</u>	<u>A.Mohurle</u>	<u>A.Mohurle</u>	<u>A.Mohurle</u>	<u>A.Mohurle</u>	<u>A.Mohurle</u>	2			
24	Pranali Tanaji Kuthe					2							2			
25	Ashwini Lalaji Nagmoti	<u>A.Nagmoti</u>	<u>A.Nagmoti</u>	<u>A.Nagmoti</u>	<u>A.Nagmoti</u>	2	<u>A.Nagmoti</u>	<u>A.Nagmoti</u>	<u>A.Nagmoti</u>	<u>A.Nagmoti</u>	<u>A.Nagmoti</u>	<u>A.Nagmoti</u>	2			
26	Pranjali Namdeo Darve	<u>P.N.Darve</u>	<u>P.N.Darve</u>	<u>P.N.Darve</u>		2	<u>P.N.Darve</u>	<u>P.N.Darve</u>				<u>P.N.Darve</u>	<u>P.N.Darve</u>	2		
27	Puja Dilip Gondane	<u>P.Gondane</u>	<u>P.Gondane</u>		<u>P.Gondane</u>	5	<u>P.Gondane</u>	<u>P.Gondane</u>	<u>P.Gondane</u>	<u>P.Gondane</u>	<u>P.Gondane</u>	<u>P.Gondane</u>	5			
28	Jayant Namdev Hargule	<u>J.Hargule</u>	<u>J.Hargule</u>	<u>J.Hargule</u>	<u>J.Hargule</u>		<u>J.Hargule</u>	<u>J.Hargule</u>	<u>J.Hargule</u>	<u>J.Hargule</u>	<u>J.Hargule</u>	<u>J.Hargule</u>				
29	Arpit Homraj Juare ^{TC} _{20/10/2020}															
30	Sameer Bhaktadas Motghare	<u>S.Motghare</u>	<u>S.Motghare</u>	<u>S.Motghare</u>	<u>S.Motghare</u>		<u>S.Motghare</u>	<u>S.Motghare</u>	<u>S.Motghare</u>	<u>S.Motghare</u>	<u>S.Motghare</u>	<u>S.Motghare</u>				
31	Virendra B. Randhaye	<u>V.Randhaye</u>	<u>V.Randhaye</u>	<u>V.Randhaye</u>	<u>V.Randhaye</u>		<u>V.Randhaye</u>	<u>V.Randhaye</u>	<u>V.Randhaye</u>	<u>V.Randhaye</u>	<u>V.Randhaye</u>	<u>V.Randhaye</u>				



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CERTIFICATE COURSE IN OFFICE AUTOMATION

**MAHATMA GANDHI ARTS, SCIENCE & LATE N.P. COMMERCE COLLEGE,
ARMORI.**

CERTIFICATE COURSE IN OFFICE AUTOMATION

Of 40 Hour.

2021-2022



Conducted By

Department of Computer Science

Course Co-ordinator

Prof. Sunil D. Chute

Aims:- The career options in Diploma in Office Automation course include employment in numerous fields such as in Govt. Offices, MNCs, and International Organizations etc. After completing Diploma course in Office Automation, students can opt for jobs of diverse profiles such as an Office Automation Clerk, Office Automation Technician, Office Automation Analyst, Support Assistant, Secretary (Office Automation) etc.

Objectives: - To provide an in-depth training in use of Office Automation packages, internet and intranet tools, web hosting etc. Essential for a modern office for day to day office management, and e-governance. The course also helps candidates to get acquainted with IT and Cyber laws, Taxes, Financial rules to be followed in public and Private offices.

The students were introduced (Details of Syllabus with evaluation process)

UNIT-I Windows XP, UNIT-II MS-Excel, UNIT-III MS Power Point, UNIT-IV Intranet, UNIT-V Scanner,Printer,Fax & Xerox

Scheme of Examination

1. Question Paper should be in two Parts
 - o Theory Paper
 - o Practical Paper
2. Theory paper Examination will be conducted by on the basis of an MCQ
3. Practical paper Examination will be conducted by on the basis of Performance.

I. Theory Paper

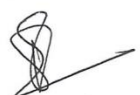
Max. Time 2 Hr.

Unit	Content	Mark
I	Windows XP	20
II	MS-Excel	20
III	MS Power Point	20
IV	Intranet	20
V	Scanner, Printer, Fax & Xerox	20
Total		100

II. Practical Paper

Max. Time 3 Hr.

P1	P2	P3	Viva-voce	Total Mark
30	30	30	10	100


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Total Marks=I+II

=200 Marks

Reference Books:

- Professional Office Procedure by Susan H Cooperman, Printice Hall Information
- Technology:Principles , Practices and Oppertunities by James A Senn, Printice Hall
- Technology And Procedures for Administrative Professionals by Patsy Fulton-Calkins, Thomson Learning
- Public Information Technology and E-Governance: Managing the Virtual State (Paperback) by G. David Garson



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ARMORI, Dist. Gadchiroli (M.S.) 441 208
Re-accredited by NAAC 'A' with 3.02 CGPA

Certificate Course in Office Automation

November-21

ATTENDANCE SHEET
2021-22

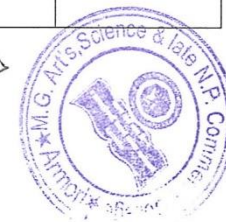
SR. NO	STUDENT NAME	CLASS	16-11-21	17-11-21	18-11-21	19-11-21	20-11-21		22-11-21	23-11-21
1	Aniket Madhukar Dunedar	B.Sc II	<u>Aniket</u>	<u>Aniket</u>	<u>Aniket</u>	<u>Aniket</u>	<u>Aniket</u>		<u>Aniket</u>	<u>Aniket</u>
2	Kunal Ashok Ramteke	B.Sc II	<u>Kunal</u>	<u>Kunal</u>	<u>Kunal</u>	<u>Kunal</u>	<u>Kunal</u>		<u>Kunal</u>	<u>Kunal</u>
3	Ashik Omkar Dadmal	B.Com II	<u>Ashik</u>	<u>Ashik</u>	<u>Ashik</u>	<u>Ashik</u>	<u>Ashik</u>		<u>Ashik</u>	<u>Ashik</u>
4	Khushabu Manohar Zarkar	B.Com II	<u>Khushabu</u>	<u>Khushabu</u>	<u>Khushabu</u>	<u>Khushabu</u>	<u>Khushabu</u>		<u>Khushabu</u>	<u>Khushabu</u>
5	Minal Hemant Panse	B.Com II	<u>Minal</u>	<u>Minal</u>	<u>Minal</u>	<u>Minal</u>	<u>Minal</u>		<u>Minal</u>	<u>Minal</u>
6	Suhani Pradip Gaykawad	B.Com II	AB	AB	AB	AB	AB		AB	AB
7	Achal Vilas Pilare	B.Com II	<u>A.V. Pilare</u>	<u>A.V. Pilare</u>	<u>A.V. Pilare</u>	<u>A.V. Pilare</u>	<u>A.V. Pilare</u>		<u>A.V. Pilare</u>	<u>A.V. Pilare</u>
8	Rajnandini Arun Pradhan	B.Com II	AB	AB	AB	AB	AB		AB	AB
9	Vandana Jagdish Roy	B.Com II	<u>V.J. Roy</u>	<u>V.J. Roy</u>	<u>V.J. Roy</u>	<u>V.J. Roy</u>	<u>V.J. Roy</u>		<u>V.J. Roy</u>	<u>V.J. Roy</u>
10	Prachi Ashok Shahare	B.Com II	<u>Prachi</u>	<u>Prachi</u>	<u>Prachi</u>	<u>Prachi</u>	<u>Prachi</u>		<u>Prachi</u>	<u>Prachi</u>
11	Anjali Amol Meshram	B.Com II	AB	AB	AB	AB	AB		AB	AB



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24-11-21	25-11-21	26-11-21	27-11-21		24-11-21	30-11-21			
<u>Mishra</u>	<u>Mishra</u>	<u>Mishra</u>	<u>Mishra</u>		<u>Mishra</u>	<u>Mishra</u>			
<u>Rabha</u>	<u>Rabha</u>	<u>Rabha</u>	<u>Rabha</u>		<u>Rabha</u>	<u>Rabha</u>			
<u>Radmal</u>	<u>Radmal</u>	<u>Radmal</u>	<u>Radmal</u>		<u>Radmal</u>	<u>Radmal</u>			
<u>KP Gokarn</u>	<u>KP Gokarn</u>	<u>KP Gokarn</u>	<u>KP Gokarn</u>		<u>KP Gokarn</u>	<u>KP Gokarn</u>			
<u>Pense</u>	<u>Pense</u>	<u>Pense</u>	<u>Pense</u>	S	<u>Pense</u>	<u>Pense</u>			
AB	AB	AB	AB	N	AB	AB			
<u>A.V. Pillare</u>	<u>A.V. Pillare</u>	<u>A.V. Pillare</u>	<u>A.V. Pillare</u>	D	<u>A.V. Pillare</u>	<u>A.V. Pillare</u>			
AB	AB	AB	AB	A	AB	AB			
<u>V.J. Roy</u>	<u>V.J. Roy</u>	<u>V.J. Roy</u>	<u>V.J. Roy</u>		<u>V.J. Roy</u>	<u>V.J. Roy</u>			
<u>Gund</u>	<u>Gund</u>	<u>Gund</u>	<u>Gund</u>		<u>Gund</u>	<u>Gund</u>			
AB	AB	AB	AB		AB	AB			

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Re-accredited by NAAC 'A' with 3.02 CGPA

Certificate Course in Office Automation

December-21

ATTENDANCE SHEET
2021-22

SR. NO	STUDENT NAME	CLASS	01-12-21	02-12-21	03-12-21		05-12-21	06-12-21	07-12-21	08-12-21
1	Aniket Madhukar Dunedar	B.Sc II	<u>Aniket</u>	<u>Aniket</u>	<u>Aniket</u>		<u>Aniket</u>	<u>Aniket</u>	<u>Aniket</u>	<u>Aniket</u>
2	Kunal Ashok Ramteke	B.Sc II	<u>Kunal</u>	<u>Kunal</u>	<u>Kunal</u>		<u>Kunal</u>	<u>Kunal</u>	<u>Kunal</u>	<u>Kunal</u>
3	Ashik Omkar Dadmal	B.Com II	<u>Ashik</u>	<u>Ashik</u>	<u>Ashik</u>	S	<u>Ashik</u>	<u>Ashik</u>	<u>Ashik</u>	<u>Ashik</u>
4	Khushabu Manohar Zarkar	B.Com II	<u>Khushabu</u>	<u>Khushabu</u>	<u>Khushabu</u>	✓	<u>Khushabu</u>	<u>Khushabu</u>	<u>Khushabu</u>	<u>Khushabu</u>
5	Minal Hemant Panse	B.Com II	<u>Minal</u>	<u>Minal</u>	<u>Minal</u>	N	<u>Minal</u>	<u>Minal</u>	<u>Minal</u>	<u>Minal</u>
6	Suhani Pradip Gaykawad	B.Com II	<u>AB</u>	<u>AB</u>	<u>AB</u>	D	<u>AB</u>	<u>AB</u>	<u>AB</u>	<u>AB</u>
7	Achal Vilas Pilare	B.Com II	<u>A.V. Pilare</u>	<u>A.V. Pilare</u>	<u>A.V. Pilare</u>	A	<u>A.V. Pilare</u>	<u>A.V. Pilare</u>	<u>A.V. Pilare</u>	<u>A.V. Pilare</u>
8	Rajnandini Arun Pradhan	B.Com II	<u>AB</u>	<u>AB</u>	<u>AB</u>	X	<u>AB</u>	<u>AB</u>	<u>AB</u>	<u>AB</u>
9	Vandana Jagdish Roy	B.Com II	<u>V.J. Roy</u>	<u>V.J. Roy</u>	<u>V.J. Roy</u>		<u>V.J. Roy</u>	<u>V.J. Roy</u>	<u>V.J. Roy</u>	<u>V.J. Roy</u>
10	Prachi Ashok Shahare	B.Com II	<u>Prachi</u>	<u>Prachi</u>	<u>Prachi</u>		<u>Prachi</u>	<u>Prachi</u>	<u>Prachi</u>	<u>Prachi</u>
11	Anjali Amol Meshram	B.Com II	<u>AB</u>	<u>AB</u>	<u>AB</u>		<u>AB</u>	<u>AB</u>	<u>AB</u>	<u>AB</u>

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09-12-21	10-12-21	11-12-21	121						
Dr. K. S. S. S.	Dr. K. S. S. S.	Dr. K. S. S. S.							
Dr. K. S. S. S.	Dr. K. S. S. S.	Dr. K. S. S. S.							
Dr. K. S. S. S.	Dr. K. S. S. S.	Dr. K. S. S. S.							
Dr. K. S. S. S.	Dr. K. S. S. S.	Dr. K. S. S. S.							
Dr. K. S. S. S.	Dr. K. S. S. S.	Dr. K. S. S. S.	S						
Dr. K. S. S. S.	Dr. K. S. S. S.	Dr. K. S. S. S.	U						
AB	AB	AB	N						
A.V. Pillai	A.V. Pillai	A.V. Pillai	P						
AB	AB	AB	A						
V. J. Roy	V. J. Roy	V. J. Roy	Y						
Dr. K. S. S. S.	Dr. K. S. S. S.	Dr. K. S. S. S.							
AB	AB	AB							



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Arakkonam, Tamil Nadu

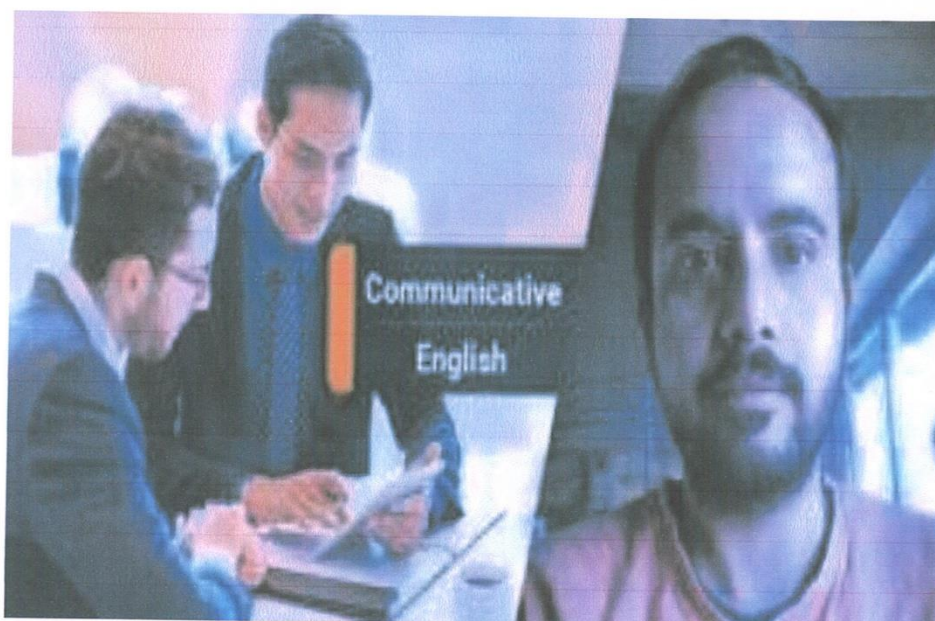
CERTIFICATE COURSE IN COMMUNICATIVE ENGLISH

MANOHARBHAI SHIKSHAN PRASARAK MANDAL, ARMORI'S

**MAHATMA GANDHI ARTS, SCIENCE &
LATE N. P. COMMERCE COLLEGE**

Armori, Dist. Gadchiroli (M.S.) 441 208

NAAC Reaccredited with 'A' Grade



Conducted By

Department of English

Course Co-ordinator

Asst. Prof. Anil P. Raut

Introduction:

This is an enabling course which aims to give students a formal and methodical exposure to academic writing and professional communication skills. The approach is practical in nature. The course will provide an opportunity to the students.

Objectives:

The main objectives of Certificate Course in Communicative English are:

1. To understand simple texts and a range of high frequency vocabulary in context.
2. To describe aspects of personal and everyday life in both oral and written form.
3. Produce short and simple connected texts on familiar topics.
4. To demonstrate some control of essential grammatical structures.

Guidelines for conducting Certificate Course in Communicative English:

- Students studying in B. A., B. Com & B.Sc. are eligible for registration of this Certificate Course.
- Classes for Certificate Course are conducted during the reserved Time Slot in a week or beyond the regular class hours.
- Certificate Course may be also conducted during weekends/ vacation period.
- The duration of the Certificate Course will be 40 hours and as stated in the course content.
- The test will be conducted for 50 marks after the completion of the course and shall be internal.


Procedure for registration:

A student shall register for Certificate Course offered during the semester by submitting the duly filled-in registration form to the course coordinator. The time table for the classes of Add-On courses will be notified to the students.

Grading:

A Multiple Choice Questions (MCQ) Test of 50 Marks will be conducted at the end of the course through online/offline mode. Minimum 75% attendance and 40% marks in test are mandatory for award of certificate. A candidate who has NOT secured a minimum of 40% of marks in a course shall not be awarded certificate. The Grades will be awarded to the students depending on the percentage of marks obtained by a candidate in a course as below.

Grade	Marks (%)
A +	75 and above
A	60 - 74
B +	55 - 69
B	45 - 54
C	40 - 44


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Course Outcomes

After learning this Certificate course student will be able to :

- Describe people, places, likes and dislikes and daily routines in a series of simple phrases and sentences
- Construct short and simple descriptive paragraphs about people, places and events.
- Write a clear topic sentence for a paragraph
- Understand and extract the essential information from a written or spoken text on a familiar topic.

Unit I	Basic Grammar : Parts of Speech, Kinds of sentences, Clauses and Predicate Tense, Articles, Punctuation
Unit II	Basic Grammar : Common Errors, Direct and Indirect speech, Change the Voice, Degree, Hardly had, No sooner, Neither - nor, Either - or, Sentences (Complex , Compound, Simple), Uses of phrases.
Unit III	Basic Introduction to Phonic Sounds and Symbols
Unit IV	Speech, Sound & Situation (practical class)

Reference Books:

Dr, N. D. V. Prasad Rao. Learners' English Grammar and Composition, S.Chand Publication, 2013

Bansal and Harrison., Spoken English, Orient Longman, 1999

Michael McCarthy, Felicity O'Dell, English Vocabulary in Use, Cambridge University Press 2002

Martin Hewings. Pronunciation Practice Activities, Cambridge University Press, 2004

Grammar Practice Activities, Cambridge University Press, 2004



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Mahatma Gandhi Arts, Science and Late N. P. Commerce College, Armori
Department of English
Certificate Course in Communicative English
ATTENDANCE SHEET

Medium : English
Session : 2021 - 2022
Month : November

Name of the Student		DATE									
		23	24	25	26	27	29	30			
1.	Krishna Ganesh Das	<u>Das</u>	<u>Das</u>	<u>Das</u>	<u>Das</u>	<u>Das</u>	<u>Das</u>	<u>Das</u>			
2.	Harshana Vinayak Nikure	<u>Nikure</u>	<u>Nikure</u>	<u>Nikure</u>	<u>Nikure</u>	<u>Nikure</u>	<u>Nikure</u>	<u>Nikure</u>			
3.	Diksha Baburao Kambale	<u>D.B. Kambale</u>	<u>D.B. Kambale</u>	<u>D.B. Kambale</u>	<u>D.B. Kambale</u>	<u>D.B. Kambale</u>	<u>D.B. Kambale</u>	<u>D.B. Kambale</u>			
4.	Payal Rushi Nakhate	<u>Nakhate</u>	<u>Nakhate</u>	<u>Nakhate</u>	<u>Nakhate</u>	<u>Nakhate</u>	<u>Nakhate</u>	<u>Nakhate</u>			
5.	Snehal Anil Juare	<u>SATP</u>	<u>SATP</u>	<u>SATP</u>	<u>SATP</u>	<u>SATP</u>	<u>SATP</u>	<u>SATP</u>			
6.	Prajakta Prakash Nikode	<u>Nikode</u>	<u>Nikode</u>	<u>Nikode</u>	<u>Nikode</u>	<u>Nikode</u>	<u>Nikode</u>	<u>Nikode</u>			
7.	Mitali Shailen Mandal	<u>Mandal</u>	<u>Mandal</u>	<u>Mandal</u>	<u>Mandal</u>	<u>Mandal</u>	<u>Mandal</u>	<u>Mandal</u>			
8.	Sikandar Sahadeo Burade	<u>Burade</u>	<u>Burade</u>	<u>Burade</u>	<u>Burade</u>	<u>Burade</u>	<u>Burade</u>	<u>Burade</u>			
9.	Sahil Wasudeo Ramteke	<u>Ramteke</u>	<u>Ramteke</u>	<u>Ramteke</u>	<u>Ramteke</u>	<u>Ramteke</u>	<u>Ramteke</u>	<u>Ramteke</u>			
10.	Sanket Ravindra Pathar	<u>Spathar</u>	<u>Spathar</u>	<u>Spathar</u>	<u>Spathar</u>	<u>Spathar</u>	<u>Spathar</u>	<u>Spathar</u>			
11.	Mithun Giridhari Khobragade	<u>Khobragade</u>	<u>Khobragade</u>	<u>Khobragade</u>	<u>Khobragade</u>	<u>Khobragade</u>	<u>Khobragade</u>	<u>Khobragade</u>			
12.	Sahil Mahadeo Lonare	<u>Lonare</u>	<u>Lonare</u>	<u>Lonare</u>	<u>Lonare</u>	<u>Lonare</u>	<u>Lonare</u>	<u>Lonare</u>			
13.	Vaishnavi Vishwanath Raut	<u>Raut</u>	<u>Raut</u>	<u>Raut</u>	<u>Raut</u>	<u>Raut</u>	<u>Raut</u>	<u>Raut</u>			
14.	Namrata Shamrao Maske	<u>Namrata</u>	<u>Ab</u>	<u>Namrata</u>	<u>Namrata</u>	<u>Namrata</u>	<u>Namrata</u>	<u>Namrata</u>			
15.	Yash Ghanshyam Nawghare	<u>Yes</u>	<u>Yes</u>	<u>Yes</u>	<u>Yes</u>	<u>Yes</u>	<u>Yes</u>	<u>Yes</u>			

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Mahatma Gandhi Arts, Science and Late N. P. Commerce College, Armori
Department of English
Certificate Course in Communicative English
ATTENDANCE SHEET

Medium : English
Session : 2021 - 2022
Month : December

Name of the Student		DATE									
		1	2	3	4	5	6	7	8	9	10
1.	Krishna Ganesh Das	<u>Bund</u>	<u>Bund</u>	<u>Bund</u>	<u>Bund</u>	<u>Bund</u>	<u>Bund</u>	<u>Bund</u>	<u>Bund</u>	<u>Bund</u>	<u>Bund</u>
2.	Harshana Vinayak Nikure	<u>Hikase</u>	<u>Hikase</u>	<u>Hikase</u>	<u>Hikase</u>	<u>Hikase</u>	<u>Hikase</u>	<u>Hikase</u>	<u>Hikase</u>	<u>Hikase</u>	<u>Hikase</u>
3.	Diksha Baburao Kambale	<u>D.B.Kambale</u>	<u>D.B.Kambale</u>	<u>D.B.Kambale</u>	<u>D.B.Kambale</u>	<u>D.B.Kambale</u>	<u>D.B.Kambale</u>	<u>D.B.Kambale</u>	<u>D.B.Kambale</u>	<u>D.B.Kambale</u>	<u>D.B.Kambale</u>
4.	Payal Rushi Nakhate	<u>Balkhate</u>	<u>Balkhate</u>	<u>Balkhate</u>	<u>Balkhate</u>	<u>Balkhate</u>	<u>Balkhate</u>	<u>Balkhate</u>	<u>Balkhate</u>	<u>Balkhate</u>	<u>Balkhate</u>
5.	Snehal Anil Juare	<u>SAJP</u>	<u>SAJP</u>	<u>SAJP</u>	<u>SAJP</u>	<u>SAJP</u>	<u>SAJP</u>	<u>SAJP</u>	<u>SAJP</u>	<u>SAJP</u>	<u>SAJP</u>
6.	Prajakta Prakash Nikode	<u>FNikode</u>	<u>FNikode</u>	<u>FNikode</u>	<u>FNikode</u>	<u>FNikode</u>	<u>FNikode</u>	<u>FNikode</u>	<u>FNikode</u>	<u>FNikode</u>	<u>FNikode</u>
7.	Mitali Shailen Mandai	<u>Amode</u>	<u>Amode</u>	<u>Amode</u>	<u>Amode</u>	<u>Amode</u>	<u>Amode</u>	<u>Amode</u>	<u>Amode</u>	<u>Amode</u>	<u>Amode</u>
8.	Sikandar Sahadeo Burade	<u>SBurade</u>	<u>SBurade</u>	<u>SBurade</u>	<u>SBurade</u>	<u>SBurade</u>	<u>SBurade</u>	<u>SBurade</u>	<u>SBurade</u>	<u>SBurade</u>	<u>SBurade</u>
9.	Sahil Wasudeo Ramteke	<u>SRamteke</u>	<u>SRamteke</u>	<u>SRamteke</u>	<u>SRamteke</u>	<u>SRamteke</u>	<u>SRamteke</u>	<u>SRamteke</u>	<u>SRamteke</u>	<u>SRamteke</u>	<u>SRamteke</u>
10.	Sanket Ravindra Pathar	<u>SPathar</u>	<u>SPathar</u>	<u>SPathar</u>	<u>SPathar</u>	<u>SPathar</u>	<u>SPathar</u>	<u>SPathar</u>	<u>SPathar</u>	<u>SPathar</u>	<u>SPathar</u>
11.	Mithun Giridhari Khobragade	<u>MKhobragade</u>	<u>MKhobragade</u>	<u>MKhobragade</u>	<u>MKhobragade</u>	<u>MKhobragade</u>	<u>MKhobragade</u>	<u>MKhobragade</u>	<u>MKhobragade</u>	<u>MKhobragade</u>	<u>MKhobragade</u>
12.	Sahil Mahadeo Lonare	<u>MLonare</u>	<u>MLonare</u>	<u>MLonare</u>	<u>MLonare</u>	<u>MLonare</u>	<u>MLonare</u>	<u>MLonare</u>	<u>MLonare</u>	<u>MLonare</u>	<u>MLonare</u>
13.	Vaishnavi Vishwanath Raut	<u>VRaut</u>	<u>VRaut</u>	<u>VRaut</u>	<u>VRaut</u>	<u>VRaut</u>	<u>VRaut</u>	<u>VRaut</u>	<u>VRaut</u>	<u>VRaut</u>	<u>VRaut</u>
14.	Namrata Shamrao Maske	<u>NMaske</u>	<u>NMaske</u>	<u>NMaske</u>	<u>NMaske</u>	<u>NMaske</u>	<u>NMaske</u>	<u>NMaske</u>	<u>NMaske</u>	<u>NMaske</u>	<u>NMaske</u>
15.	Yash Ghanshyam Nawghare	<u>YNawghare</u>	<u>YNawghare</u>	<u>YNawghare</u>	<u>YNawghare</u>	<u>YNawghare</u>	<u>YNawghare</u>	<u>YNawghare</u>	<u>YNawghare</u>	<u>YNawghare</u>	<u>YNawghare</u>

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CERTIFICATE COURSE IN TRIBAL TOURISM



Manoharbhair Shikshan Prasarak Mandal's
Mahatma Gandhi Arts, Science & Late N. P. Commerce College
Armori, Dist. -Gadchiroli.441208

ESTABLISHED - 1981

REACCREDITED BY NAAC BANGALORE WITH 'A' GRADE (2017)



**THREE MONTH CERTIFICATE COURSE IN
TRIBAL TOURISM
(Session 2020-21)**

Duration of course: - 15/11/2021 to 20/12/2021

कारण रेशून झाली विश्वाती सुरवात
after all universe started from here



आदिवासी पर्यटन
Tribal Tourism



Conducted by
Department of Geography

Course Coordinator
Prof. Parag S. Meshram

Mahatma Gandhi Arts, Science & Late N. P. Commerce College
Armori, Dist. -Gadchiroli.

THREE MONTH CERTIFICATE COURSE IN TRIBAL TOURISM

Introduction: -

The proposed curriculum is designed by the study group of concern specialization. The study group comprise principal and subject expert from the college. Considering particularly specialization of tribal district, tribal tourism is basically an interdisciplinary programme involving Geography Zoology, Botany, Geology, and History. Upon successful completion of this course the expected learning outcomes are – Students will gain basic understanding of tribal tourism; training is designed to give the skills and knowledge to maximize career opportunities in this rapidly expanding industry. Indian tourism is vast & varied, it requires professionally trained manpower to develop, promote, and Plan the tourism resources in the Global competitive market. Now a day's Tourism industry & education are the prime concerns in India. Managerial efficiencies & effectiveness are the need of hour in modern tourism to cater the needs of experienced, enriched & IT based tourist communities. Studies disclosed that tourism would create more employment. The studies also revealed that while local tourism created more employment in the accommodation and transportation. Food sector, domestic tourism promoted employment in transport sector.

Aims & Objectives: -

This Course focused on

- 1) To Promote Local Tribal tourism.
- 2) To Gain Basic Knowledge of tribal tourism.
- 3) To impart skills and Knowledge and maximize career opportunities in the tourism industry.
- 4) To promote for self-employment

A certificate course of 66 hours/35 Days in Tribal Tourism was conducted for the B. A.- II Year Students of Geography. This course is designed for imparting knowledge of tribal tourism and promoting students to get employment in tourism industry.



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Course Details

- 1) This course was conducted free of Cost
- 2) **Course Coordinator: - Prof. Parag S. Meshram**
- 3) **Resource Persons: -**
 1. Prof. P. S. Meshram (M.A., B.Ed., SET, M.Phil. in Geo.)
 2. Dr. V. P. Gorde (M.A., B.Ed., NET, Ph.D. in Geo)
 3. Prof. Sunil Chute (M.Sc., MCA)
- 4) **Duration of course: - 15/11/2021 to 20/12/2021**

Outcomes: -

- 1) Students learnt basics of tourism.
- 2) Students learnt the custom & tradition of tribal culture.
- 3) Students learnt how to promote tribal tourism in tourism industry.
- 4) Students get Career opportunities in local tourism sector/ industry.

STRUCTURE OF COURSE

1. Two Theory Paper
2. Internal Assessments / Field visit

SCHEME OF EXAMINATION

A) THEORY

Examination pattern is such that the test will be consisting of two papers that will be conducted in offline mode. The descriptive / Objective-Type questions that Candidates need to complete in duration.

Total Marks: 80

B) Internal assessment & Field visit

Evaluation of the performance of the students in Internal Assessment & Field visit shall be on the basis of Tribal Tourism Syllabus.

Total Marks: 20



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Structure of the Course

CERTIFICATE COURSE IN TRIBAL TOURISM								
Subject	Paper Code	Paper Name	Total Period/Week	Credit	% of Assessment			
					IA	IE	Total	Mini. Passing (35%)
Tribal Tourism	TMCCTT01	Conceptual Framework of Tourism	04	04	20	80	100	35 (Th. – 28 M & IA-07 M)
	TMCCTT02	Computer Application in Tourism	04	04	20	80	100	35 (Th. – 28 M & IA-07 M)

• **Tribal Tourism:** Major theory papers in the concerned subject.

- T represents Theory.
- IA (Internal Assessment): It will be evaluated by Internal Examiner appointed by College in consultation with the Head of Institution/Principal. (Refer Appendix 1)
- IE (Institutional Examination): It will be evaluated by Internal Examiner appointed by Institutional Head/ Principal (Refer Appendix 1 & 2)
- **Period:** Each period is of 48 minutes or as per Government direction from time to time.
- **In Paper Code**
 - 1st & 2nd Letter (TM): Represent it a Three Month Course.
 - Next 2 Letter (CC) : Represent it is Certificate Course
 - Next Letter (T) : Represent the subject Tribal Tourism
 - Next Letter (T) : T : Represent Theory Paper (Refer Appendix 1)
 - Last two letter : Represent Paper No. for **Ex. 01** Represent Paper No. 1



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**UGC CAREER ORIENTED PROGRAMME
THREE MONTH CERTIFICATE COURSE IN TRIBAL TOURISM**

Paper – TMCCTT01

Conceptual Framework of Tourism

Total Marks – 80

Internal Assessment Marks – 20

- Unit – I** The Nature and concept of tourism, Introduction of Tourism, What is Tourism, Definitions of Tourism, Characteristics of Tourism, Tourist – Definition, Nature of Tourism, Scope of Tourism
- Unit –II** Infrastructure in Tourism, Factors of Tourism Development, Location, Accessibility & Space, Scenery, Forest & Grasslands, Climate, Wild Life, Settlements, Cultural Factors, Accommodation forms & types,
- Unit –III** Tourism Planning & Organization, Tourism Planning, Important Factors of Tourism Planning, Tourism Demand and Supply, Planning of Regional Level, Tourism Planning at the Local Level,
- Unit – IV** Significance of Tourism Industry, Economical Impact of Tourism, Assistance to the Development of Economy, Employment, Other Economic Factors, Social & Cultural Impacts of Tourism.

Reference –

- 1) The Geography of Tourism – R. Robinson
- 2) International Tourism – A. K. Bhatiya
- 3) Tourism Development and resource Conservation – Dr. Jagmohan Negi
- 4) Tourism Development – A. K. Bhatiya
- 5) Tourism in India – U. N. Gupta
- 6) Tourist Development – Douglas Pearce, Logman, London.
- 7) Tourism Economic and Social Development _ P. S. Gill
- 8) Development Tourism and Travel Industries – Premnath Dhar
- 9) Geography o Tourism – S. B. Shinde
- 10) Geography of Tourism – Nagtode and Pardhi



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UGC CAREER ORIENTED PROGRAMME
THREE MONTH CERTIFICATE COURSE IN TRIBAL TOURISM

Paper – TMCCTT02

Computer Application in Tourism

Total Marks – 80

Internal Assessment Marks – 20

UNIT-I: Introduction to IT and Computers

Block Diagram of Computer, Functioning of Computer, Characteristics

Computer Memory: Primary & Secondary, Types of Primary Memory.

Number System: Decimal, Binary, Octal, Hexadecimal number systems and their Interco version, ASCII codes

UNIT-II: I/O and Storage Device Input Devices: Keyboard Locator Device: Mouse, Joy Stick

Pick Device: Light Pen, Touch Screen, **Scanning:** MICR, OCR, OMR, Barcode Reader.

Vision Capturing: Webcam, Digital Camera

Output Devices: VDU, Printer: Dot Matrix, Laser, And Projector.

Storage Device: Hard Disk, Optical Disk, Blu Ray Disk and Pen Drive.

UNIT-III: Windows Operating System, Classification of Operating System on the basis of task (Single User Single Task, Single User Multiple Task, and Multi-User Multiple Task), Features of Windows, Desktop and Windows Explorer.

Control Panel: Administrative Tools-Date and Time, Display, Mouse, Programs and Features. Usage of Recycle Bin

Windows Accessories: Calculator, Notepad, Paint, Disk Cleanup

UNIT-IV: Network & Internet

Computer Communication, Need for Networks, Communication Device, Types of Network- LAN, WAN, MAN, Concept of Network Topology, Types of Topologies and its Advantages and Limitations

Internet: Basic Internet terms, Internet Addressing, Detail about E-mail, Search Engine, Social and Ethical Issues, E-learning.


Open Source Terminologies: Open Source Software, Freeware, Shareware, Proprietary Software.

Text Books:

1) Peter Norton's, "Introduction to Computer", TMH, 2004, ISBN-0-07-05-3142-0

2) Dr. S. B. Kishor, "Information and Communication Technology", Das Ganu Prakashan

3) Chetan Shrivastava "Fundamentals of Information Technology", Kalyani publishers, 2002, ISBN-81-7663-576-6


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References:

- 1) Dr. S. B. Kishor, "MS-Office with Office Automation", DAS GANU Prakashan, ISBN : 978-93-81660-67-6
- 2) Akshay Kumar, "Information Technology and Info Guide", Authors press, 2000, ISBN-81-7273-040-3

Appendix 1
Evaluation Rules

A) Internal Assessment:

1. The internal assessment marks shall be awarded by the concerned teacher.
2. General guidelines for Internal Assessment are:
 - a) The internal assessment marks assigned to each theory paper on the basis of the performance in Class Attendance And any two assignments as described below selected by concerned teacher.
 1. Class Test
 2. On-line Test
 3. Theory Assignments
 4. Programming Assignments
 5. Study tour
 6. Industrial visits
 7. Group discussions
 8. Seminar Presentation
 9. Participation in Departmental Activities
 - b) There shall be no separate / extra allotment of work load to the concerned teacher related to above assignments. He/ She shall conduct the Internal assessment activity during the regular teaching days / periods as a part of regular teaching activity.
 - c) The concerned teacher / department shall have to keep the record of all the above activities until six months after the declaration of the results of that semester.
 - d) At the beginning of each semester, every teacher / department shall inform his / her students unambiguously the method he / she propose to adopt and the scheme of marking for internal assessment.


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Marks Distribution: Internal Assessment mark will be allocated by Internal Examiner as per the following format

Sr.No.	Particulars	Max. Marks
1	Class Attendance	05
2	2 Assignment Activity on Given Appendix 1	15

Note: 1) The Written work should be completed within max. 45 minutes.

B) Theory Paper Assessment: Theory papers will be held as per the scheduled given by the Institution/ Department and examinee needs to score minimum 35% of marks to clear the paper including internal assessment marks.


C) Revaluation: There is also a provision for the Revaluation only for theory papers examination conducted by Institution (i.e. it is not applicable for Internal Assessment) as per the rules and fee structure prescribed by Institution.

Appendix-2 Pattern of Question Paper

General Rules and Regulations regarding pattern of question paper for the Coerce end examination is as given below:

1. There will be four units in each paper.
2. Maximum marks of each theory paper will be 80.
3. Question paper will consist of four questions, each of 20 marks. Or Question paper will consist of four or five MCQ Type questions on four Units each of 5/4 marks.
4. Four questions will be based on four units with internal choice.

CERTIFICATE COURSE IN TRIBAL TOURISM		
Name Of Paper		
Time: 3 Hours]		[Max.
Marks: 80		
Note:		
1) All questions are compulsory and carry equal marks.		
2) Draw Neat and Labeled diagram and use supporting data wherever necessary.		
3) Avoid vague answers and write specific points/answer related to questions.		
Q1 Either (From Unit 1)		
a)		20
	OR	
b)		20
Q2 Either (From Unit 1)		
a)		20
	OR	
b)		20
Q3 Either (From Unit 1)		
a)		20


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b)	OR	20
Q3 Either (From Unit 1)		
a)		20
b)	OR	20

Appendix-3

Evaluation system:

Grading scale

Depending on the marks scored in a subject, student is given a grade as follows

Percentages of Marks	Grade	Description of Performance
0 to 34	D	Fail
35 to 45	C	Fair
45 to 55	B	Satisfactory
55 to 74	B ⁺	Good
75 to 90	A	Very Good
90 to 100	A ⁺	Excellent

Standard of Passing: -

As per the guidelines and rules for certificate course in tribal tourism, a student obtaining grade D shall be considered failed and will be required to reappear for the examination

Prof. Parag S. Meshram

Prof. Parag S. Meshram
(Coordinator: - Tribal Tourism)

[Signature]

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Armori Dist. Gadchiroli M.S. 441208

Three Month Certificate Course of Tribal Tourism
Attendant Sheet Session: - 2021-22

Sr. No.	Students Name	Gender	Sign & Date					
			15/11/21	16/11/21	17/11/21	18/11/21	19/11/21	20/11/21
1.	Barsagade Mayuri Shrirang	Female	Mayuri	Mayuri	Mayuri	Mayuri	Mayuri	Mayuri
2.	Chaudhari Abhishek Arun	Male	Budhani	Budhani	Budhani	Budhani	Budhani	Budhani
3.	Gurnule Ashwini Meghraj	Female	Gurnule	Gurnule	Gurnule	Gurnule	Gurnule	Gurnule
4.	Gurnule Vaishali Khushal	Female	Gurnule	Gurnule	Gurnule	Gurnule	Gurnule	Gurnule
5.	Holi Ravita Darbari	Female	Pholi	Pholi	Pholi	Pholi	Pholi	Pholi
6.	Khobragade Sanjivani Hemant	Female	S.Khobragade	S.Khobragade	S.Khobragade	S.Khobragade	S.Khobragade	S.Khobragade
7.	Kodape Komal Satywan	Male	Kodape	Kodape	Kodape	Kodape	Kodape	Kodape
8.	Kukadkar Bhagyashri Anil	Female	Kukadkar	Kukadkar	Kukadkar	Kukadkar	Kukadkar	Kukadkar
9.	Kumbhare Shubham Sheshrao	Male	Kumbhare	Kumbhare	Kumbhare	Kumbhare	Kumbhare	Kumbhare
10.	Matere Achal Janardhan	Female	Achal Janardhan	Achal Janardhan	Achal Janardhan	Achal Janardhan	Achal Janardhan	Achal Janardhan
11.	Mohurle Vishal Kailas	Male	Mohurle	Mohurle	Mohurle	Mohurle	Mohurle	Mohurle
12.	Motghare Ashuka Dewrao	Female	Motghare	Motghare	Motghare	Motghare	Motghare	Motghare
13.	Naitam Rupali Sudhakar	Female	Naitam	Naitam	Naitam	Naitam	Naitam	Naitam
14.	Parate Komal Dilip	Female	Parate	Parate	Parate	Parate	Parate	Parate
15.	Pradhan Arati Mukharu	Female	Pradhan	Pradhan	Pradhan	Pradhan	Pradhan	Pradhan
16.	Raut Khushbu Naktu	Female	Raut	Raut	Raut	Raut	Raut	Raut



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Head
Department of Geography

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Three Month Certificate Course of Tribal Tourism
Attendant Sheet **Session: - 2021-22**

Sr. No.	Students Name	Gender	Sign & Date					
			22/11/21	23/11/21	24/11/21	25/11/21	26/11/21	27/11/21
1.	Barsagade Mayuri Shirang	Female	<u>Mayuri</u>	<u>Mayuri</u>	<u>Mayuri</u>	<u>Mayuri</u>	<u>Mayuri</u>	<u>Mayuri</u>
2.	Chaudhari Abhishek Arun	Male	<u>Abhishek</u>	<u>Abhishek</u>	<u>Abhishek</u>	<u>Abhishek</u>	<u>Abhishek</u>	<u>Abhishek</u>
3.	Gurnule Ashwini Meghraj	Female	<u>Ashwini</u>	<u>Ashwini</u>	<u>Ashwini</u>	<u>Ashwini</u>	<u>Ashwini</u>	<u>Ashwini</u>
4.	Gurnule Vaishali Khushal	Female	<u>Vaishali</u>	<u>Vaishali</u>	<u>Vaishali</u>	<u>Vaishali</u>	<u>Vaishali</u>	<u>Vaishali</u>
5.	Holi Ravita Darbari	Female	<u>Ravita</u>	<u>Ravita</u>	<u>Ravita</u>	<u>Ravita</u>	<u>Ravita</u>	<u>Ravita</u>
6.	Khobragade Sanjivani Hemant	Female	<u>Sanjivani</u>	<u>Sanjivani</u>	<u>Sanjivani</u>	<u>Sanjivani</u>	<u>Sanjivani</u>	<u>Sanjivani</u>
7.	Kodape Komal Satywan	Male	<u>Komal</u>	<u>Komal</u>	<u>Komal</u>	<u>Komal</u>	<u>Komal</u>	<u>Komal</u>
8.	Kukadkar Bhagyashri Anil	Female	<u>Bhagyashri</u>	<u>Bhagyashri</u>	<u>Bhagyashri</u>	<u>Bhagyashri</u>	<u>Bhagyashri</u>	<u>Bhagyashri</u>
9.	Kumbhare Shubham Sheshrao	Male	<u>Shubham</u>	<u>Shubham</u>	<u>Shubham</u>	<u>Shubham</u>	<u>Shubham</u>	<u>Shubham</u>
10.	Matere Achal Janardhan	Female	<u>Achal</u>	<u>Achal</u>	<u>Achal</u>	<u>Achal</u>	<u>Achal</u>	<u>Achal</u>
11.	Mohurle Vishal Kailas	Male	<u>Vishal</u>	<u>Vishal</u>	<u>Vishal</u>	<u>Vishal</u>	<u>Vishal</u>	<u>Vishal</u>
12.	Motghare Ashuka Dewrao	Female	<u>Ashuka</u>	<u>Ashuka</u>	<u>Ashuka</u>	<u>Ashuka</u>	<u>Ashuka</u>	<u>Ashuka</u>
13.	Naitam Rupali Sudhakar	Female	<u>Rupali</u>	<u>Rupali</u>	<u>Rupali</u>	<u>Rupali</u>	<u>Rupali</u>	<u>Rupali</u>
14.	Parate Komal Dilip	Female	<u>Komal</u>	<u>Komal</u>	<u>Komal</u>	<u>Komal</u>	<u>Komal</u>	<u>Komal</u>
15.	Pradhan Arati Mukharu	Female	<u>Arati</u>	<u>Arati</u>	<u>Arati</u>	<u>Arati</u>	<u>Arati</u>	<u>Arati</u>
16.	Raut Khushbu Naktu	Female	<u>Khushbu</u>	<u>Khushbu</u>	<u>Khushbu</u>	<u>Khushbu</u>	<u>Khushbu</u>	<u>Khushbu</u>



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Armori Dist. Gadchiroli M.S. 441208

Three Month Certificate Course of Tribal Tourism
Attendant Sheet Session: - 2021-22

Sr. No.	Students Name	Gender	Sign & Date						
			06/12/21	07/12/21	08/12/21	09/12/21	10/12/21	11/12/21	
1.	Barsagade Mayuri Shrirang	Female	<u>Mayuri</u>	<u>Mayuri</u>	<u>Mayuri</u>	<u>Mayuri</u>	<u>Mayuri</u>	<u>Mayuri</u>	
2.	Chaudhari Abhishek Arun	Male	<u>Budhani</u>	<u>Budhani</u>	<u>Budhani</u>	<u>Budhani</u>	<u>Budhani</u>	<u>Budhani</u>	
3.	Gurnule Ashwini Meghraj	Female	<u>Burnule</u>	<u>Burnule</u>	<u>Burnule</u>	<u>Burnule</u>	<u>Burnule</u>	<u>Burnule</u>	
4.	Gurnule Vaishali Khushal	Female	<u>Burnule</u>	<u>Burnule</u>	<u>Burnule</u>	<u>Burnule</u>	<u>Burnule</u>	<u>Burnule</u>	
5.	Holi Ravita Darbari	Female	<u>Bholi</u>	<u>Bholi</u>	<u>Bholi</u>	<u>Bholi</u>	<u>Bholi</u>	<u>Bholi</u>	
6.	Khobragade Sanjivani Hemant	Female	<u>S.Khobragade</u>	<u>S.Khobragade</u>	<u>S.Khobragade</u>	<u>S.Khobragade</u>	<u>S.Khobragade</u>	<u>S.Khobragade</u>	
7.	Kodape Komal Satywan	Male	<u>Kodape</u>	<u>Kodape</u>	<u>Kodape</u>	<u>Kodape</u>	<u>Kodape</u>	<u>Kodape</u>	
8.	Kukadkar Bhagyashri Anil	Female	<u>B</u>	<u>B</u>	<u>B</u>	<u>B</u>	<u>B</u>	<u>B</u>	
9.	Kumbhare Shubham Sheshrao	Male	<u>Skumbhare</u>	<u>Skumbhare</u>	<u>Skumbhare</u>	<u>Skumbhare</u>	<u>Skumbhare</u>	<u>Skumbhare</u>	
10.	Matere Achal Janardhan	Female	<u>Achal Janardhan</u>	<u>Achal Janardhan</u>	<u>Achal Janardhan</u>	<u>Achal Janardhan</u>	<u>Achal Janardhan</u>	<u>Achal Janardhan</u>	
11.	Mohurle Vishal Kailas	Male	<u>Mohurle</u>	<u>Mohurle</u>	<u>Mohurle</u>	<u>Mohurle</u>	<u>Mohurle</u>	<u>Mohurle</u>	
12.	Motghare Ashuka Dewrao	Female	<u>Motghare</u>	<u>Motghare</u>	<u>Motghare</u>	<u>Motghare</u>	<u>Motghare</u>	<u>Motghare</u>	
13.	Naitam Rupali Sudhakar	Female	<u>Naitam</u>	<u>Naitam</u>	<u>Naitam</u>	<u>Naitam</u>	<u>Naitam</u>	<u>Naitam</u>	
14.	Parate Komal Dilip	Female	<u>Parate</u>	<u>Parate</u>	<u>Parate</u>	<u>Parate</u>	<u>Parate</u>	<u>Parate</u>	
15.	Pradhan Arati Mukharu	Female	<u>A.m. Pradhan</u>	<u>A.m. Pradhan</u>	<u>A.m. Pradhan</u>	<u>A.m. Pradhan</u>	<u>A.m. Pradhan</u>	<u>A.m. Pradhan</u>	
16.	Raut Khushbu Naktu	Female	<u>Raut</u>	<u>Raut</u>	<u>Raut</u>	<u>Raut</u>	<u>Raut</u>	<u>Raut</u>	



Principal
Mahatma Gandhi Arts,
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N. P. Commerce College,

Prakashram
Head
Department of Geography

Manoharabhai Shikshan Prasarak Manadal's
Mahatma Gandhi Arts, Science & Late N. P. Commerce College
Armori Dist. Gadchiroli M.S. 441208

Three Month Certificate Course of Tribal Tourism

Attendant Sheet

Session: - 2021-22

Sr. No.	Students Name	Gender	Sign & Date					
			06/12/21	07/12/21	08/12/21	09/12/21	10/12/21	11/12/21
1.	Barsagade Mayuri Shirang	Female	<u>Mayuri</u>	<u>Mayuri</u>	<u>Mayuri</u>	<u>Mayuri</u>	<u>Mayuri</u>	<u>Mayuri</u>
2.	Chaudhari Abhishek Arun	Male	<u>Abhishek</u>	<u>Abhishek</u>	<u>Abhishek</u>	<u>Abhishek</u>	<u>Abhishek</u>	<u>Abhishek</u>
3.	Gurnule Ashwini Meghraj	Female	<u>Ashwini</u>	<u>Ashwini</u>	<u>Ashwini</u>	<u>Ashwini</u>	<u>Ashwini</u>	<u>Ashwini</u>
4.	Gurnule Vaishali Khushal	Female	<u>Vaishali</u>	<u>Vaishali</u>	<u>Vaishali</u>	<u>Vaishali</u>	<u>Vaishali</u>	<u>Vaishali</u>
5.	Holi Ravita Darbari	Female	<u>Ravita</u>	<u>Ravita</u>	<u>Ravita</u>	<u>Ravita</u>	<u>Ravita</u>	<u>Ravita</u>
6.	Khobragade Sanjivani Hemant	Female	<u>Sanjivani</u>	<u>Sanjivani</u>	<u>Sanjivani</u>	<u>Sanjivani</u>	<u>Sanjivani</u>	<u>Sanjivani</u>
7.	Kodape Komal Satywan	Male	<u>Komal</u>	<u>Komal</u>	<u>Komal</u>	<u>Komal</u>	<u>Komal</u>	<u>Komal</u>
8.	Kukadkar Bhagyashri Anil	Female	<u>Bhagyashri</u>	<u>Bhagyashri</u>	<u>Bhagyashri</u>	<u>Bhagyashri</u>	<u>Bhagyashri</u>	<u>Bhagyashri</u>
9.	Kumbhare Shubham Sheshrao	Male	<u>Shubham</u>	<u>Shubham</u>	<u>Shubham</u>	<u>Shubham</u>	<u>Shubham</u>	<u>Shubham</u>
10.	Matere Achal Janardhan	Female	<u>Achal</u>	<u>Achal</u>	<u>Achal</u>	<u>Achal</u>	<u>Achal</u>	<u>Achal</u>
11.	Mohurle Vishal Kailas	Male	<u>Vishal</u>	<u>Vishal</u>	<u>Vishal</u>	<u>Vishal</u>	<u>Vishal</u>	<u>Vishal</u>
12.	Motghare Ashuka Dewrao	Female	<u>Ashuka</u>	<u>Ashuka</u>	<u>Ashuka</u>	<u>Ashuka</u>	<u>Ashuka</u>	<u>Ashuka</u>
13.	Naitam Rupali Sudhakar	Female	<u>Rupali</u>	<u>Rupali</u>	<u>Rupali</u>	<u>Rupali</u>	<u>Rupali</u>	<u>Rupali</u>
14.	Parate Komal Dilip	Female	<u>Komal</u>	<u>Komal</u>	<u>Komal</u>	<u>Komal</u>	<u>Komal</u>	<u>Komal</u>
15.	Pradhan Arati Mukharu	Female	<u>Arati</u>	<u>Arati</u>	<u>Arati</u>	<u>Arati</u>	<u>Arati</u>	<u>Arati</u>
16.	Raut Khushbu Naktu	Female	<u>Khushbu</u>	<u>Khushbu</u>	<u>Khushbu</u>	<u>Khushbu</u>	<u>Khushbu</u>	<u>Khushbu</u>



[Signature]
Principal

Mahatma Gandhi Arts,
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N. P. Commerce College,

[Signature]
Head

Department of Geography