

CHANDA SHIKSHAN PRASARAK MANDAL'S
JANATA MAHAVIDYALAYA, CHANDRAPUR

1.3.2

VALUE ADDED COURSES
SUPPORTING DOCUMENT

Bridge course “Planning and Execution of Dissertation/Research project”

Chanda Shikshan Prasarak Mandal's
Janata Mahavidyalaya, Chandrapur
Department of Zoology

A

Report on

Bridge Course in “Planning and Execution of Dissertation / Research Project”

Date: 16.01.2019 to 23.01.2019

Venue: U.G. and P.G. Lab

Department of Zoology, Janata Mahavidyalaya, Chandrapur has organized a Bridge Course Programme for U.G. and P.G. students. The program was scheduled for 6 days. It was conducted in U.G. and P.G. Lab of Zoology, Microbiology and Computer Science. Number of students enrolled - 50

Objective :- M.Sc. syllabus has one practical includes Dissertation / Research Project. As most of the students enrolled in from CBZ (Semester – VI), Microbiology (Semester – VI) and M.Sc. I background. They find it difficult to make Dissertation and Research Project. In addition to that students can plan their own experiment and perform that to test the validity of their ideas. With this view and to make the Research Project easy, and get basic fundamental knowledge of **Dissertation / Research Project**, this Bridge course is organized.

Method :- The course was inaugurated by Dr. M.Subhas, Principal, and continued for 7 days in department of Zoology, Microbiology and Computer Science.

Outcomes:- After completion of this Bridge Course students gain the knowledge how to execute a dissertation or project with following guidelines :

1. Selection of a Project Title
2. Collection of Data
3. Decide the methodology
4. How to write a project\
5. MS Project (Computer Work)
6. Students also know about IPR through this course.


Coordinator
Head
Department of Zoology
Janata Mahavidyalaya,
Chandrapur


Principal
Janata Mahavidyalaya
Chandrapur





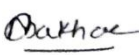






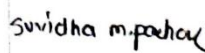


Janata Mahavidyalaya, Chandrapur
Students Attendance for Bridge Course

On

"Planning and Execution of Dissertation/ Research Project"

Session :- 2018-19

Date : 16/01/2019

Sr. No.	Name of the Students	Class and Subject	Signature	Mobile No. & Email
01	Ishwari K. Kodape	M.Sc II yr zoology		9405100425 ishwari.kodape@gmail.com
02	Pooja S. Kurdekar	M.Sc II yr Zoology		7020399616 poojaudadhe@gmail.com
03	Nilima R. Dakhore	M.Sc. II yr zoology		9130799231 nilimadakhore786@gmail.com
04	Varita L. Wapeet	M.Sc II yr zoology		8888327739 wapeet9@gmail.com
05	Punali P. Karkde	B.Sc III year M/B		899859804 punalikarkde98@gmail.com
06	Naina N Wankhade	B.Sc III year m/b		9405813625 Naina.wankhade123@gmail.com
07	Komal K. Ghotekar	B.Sc III yr M/B		878842042 komalghotekarbk@gmail.com
08	Pooja A Ade	B.Sc III yr M/B		7218518924 poojaade149@gmail.com
09	Tanushri S. Surskar	B.Sc III yr M/B		9969954594 tssurskar2299@gmail.com
10	Suvidha M. Pachare	B.Sc III yr m/b		8830473841 suvidha.pachare@gmail.com
11	Mugdha R. Arde	B.Sc III yr m/b		8956245858 mugdhaarde@gmail.com
12	Shital B. Chaykate	B.Sc. III yr M/B		7721972067 shitalchaykate14@gmail.com



Head
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Chandrapur


Principal
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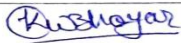


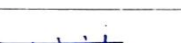

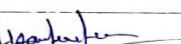

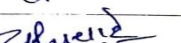
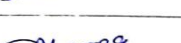
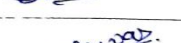

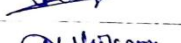


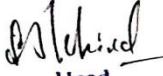
Janata Mahavidyalaya, Chandrapur
Students Attendance for Bridge Course
On

"Planning and Execution of Dissertation / Research Project"

Session :- 2018-19

Date : 16.1.2019

Sr. No.	Name of the Students	Class and Subject	Signature	Mobile No. & Email
13	Kishori W. Bhoyar	B.Sc. III yr M/B		9721841664 kishoriwbhoyar@gmail.com
14	Pranali Pyerre	M.Sc. II yr Zoology		9156657505 pranali.pyerre@gmail.com
15	Swati S. Ulmule	B.Sc. III yr M/B		8657363136 swatikulmule@gmail.com
16	Rajnish K. Inaghmare	M.Sc. II year Zoology		9545284113 rajnishk47@gmail.com
17	Aakanksha Avun Undirwade	B.Sc. III yr. (M/B)		9284492401 aakankshaundirwade@gmail.com
18	Amruta P. Naukurkar	M.Sc. II yr zoology		7387587460 amrutanaukurkar8304@gmail.com
19	Rajshri R. Bhalerao	M.Sc. II yr zoology		7875164524 shushruti.bhalerao931@gmail.com
20	Ashwini S. Pachare	B.Sc. III yr M/B		9834444375 aspachare30@gmail.com
21	Bhagyashree N. Varma	B.Sc. III yr (M/B)		9156638549 vbhagyashree222@gmail.com
22	Yugandhara Rajkumar Mulwani	B.Sc. III yr. (M/B)		8805600833 yugandharamulwani@gmail.com
23	Pinky A. Roy	M.Sc. II yr (Zoo)		8007160911
24	Nisha G. Adhikary	M.Sc. II yr Zoo		7774900468 nisha.adhikary1993@gmail.com


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Principal
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Janata Mahavidyalaya, Chandrapur
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On

"Planning and Execution of Dissertation / Research Project"

Sr. No.		Name of the Students	Session :- 2018-19	Class and Subject	Date : 16.1.2019	Signature	Mobile No. & Email
25		Kalyani A. Brambarkar	B.Sc III rd (N/B)	<i>Kalyani Brambarkar</i>			9823428484 Kalyanibrambarkar800@gmail.com
26		Sneha S. Poinkar	B.Sc III (N/B)	<i>S. Poinkar</i>			9850687062 spoinkar77@gmail.com
27		Anjali R. Hodge	B.Sc III (M/B)	<i>Anjali Hodge</i>			8605602456 anjali.hodge20@gmail.com
28		Maadhuri N. Pichurkar	B.Sc III (M/B)	<i>Maadhuri Pichurkar</i>			7818969158 maadhuripichurkar2019@gmail.com
29		Sneha M. Wadolkar	B.Sc III (M/B)	<i>S.M. Wadolkar</i>			9325079634 snehawadolkar2017@gmail.com
30		Pratibha S. Phonde	B.Sc II (M/B)	<i>Pratibha Phonde</i>			745430535 claminetnandia@gmail.com
31		Shreya S. Ramteke	B.Sc III (M/B)	<i>Shreya Ramteke</i>			945793439 shreyaramteke25@gmail.com
32		Shubhangi S. Bhathe	M.Sc II Botany	<i>S.S. Bhathe</i>			8308569197 shubhangibhathe30@gmail.com
33		Ashwini D. Turak	M.Sc II (Bot)	<i>Ashwini Turak</i>			8390728098 ashwinaturak@gmail.com
34		Monika R. Raut	M.Sc II Botany	<i>Monika Raut</i>			8756066372 monikaraut@gmail.com
35		Minat M. Gahemwar	M.Sc II (Bot)	<i>Minat Gahemwar</i>			985569913 minatgahemwar07@gmail.com
36		Premika K. Gunde	M.Sc II (Bot)	<i>Premika Gunde</i>			7211040615 premkagunde@gmail.com

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Head

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Sr. No.	Name of the Students	Class and Subject	Signature	Mobile No. & Email
37	Vaishnavi E. Tapase	Msc 2 nd yr (II sem). Botany	<u>Tapase</u>	9766908932 tapase1996@gmail.com
38	Anushree B. Kukudkar	M. sc II nd yr. (sem - IV) (Botany)	<u>Anushree</u>	9420157615 kukudkaranushree@gmail.com
39	Rutusha B Deekar	Bsc. III rd yr sem IV (M/B)	<u>Rutusha</u>	9130145093 rutushadeekar@gmail.com
40	Sheshrao B. Kale	M. sc II nd yr sem IV (Zoo)	<u>Kale</u>	8805937665 sheshraokale77@gmail.com
41	Payal. G. Jibhakate	Msc II nd yr sem IV (Zoo)	<u>Payal</u>	9765485004 PayalJibhakate789@gmail.com
42	Santoshi D. Burhan	B. sc. III rd yr MB - sem VI	<u>Santoshi</u>	8830652519 Santu7083577354@gmail.com
43	Bhaskari R. Wadgaonkar	M. sc II nd yr Bot. sem IV	<u>Bhaskari</u>	8605193889 Bhaskariwadgaonkar@gmail.com
44	Pragati V. Tamgade	B. sc III rd yr sem IV (Micro)	<u>P. Tamgade</u>	7776084151 1Ptamgade@gmail.com
45	Dipali A. Podley	M. sc. II nd yr (Bot)	<u>Podley</u>	7057173681 dipalipodley2401@gmail.com
46	Chaitali D. Utkude	B. sc II nd yr sem IV (M/B)	<u>Utkude</u>	7499613137 chaitaliutkude208@gmail.com
47	Shivani V. Dambhare	B. sc III rd yr (M/B)	<u>Dambhare</u>	9146471832 shivani.dambhare28@gmail.com
48	Snigdha P. Chahande	M. sc II nd yr (Zoo)	<u>Snigdha</u>	8855992339 angelsnigdhaChahande@gmail.com


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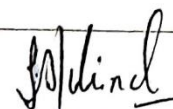
Janata Mahavidyalaya, Chandrapur
Students Attendance for Bridge Course
On

“Planning and Execution of Dissertation / Research Project”

Session :- 2018-19

Date : 16.1.2019

Sr. No.	Name of the Students	Class and Subject	Signature	Mobile No. & Email
49	madhavi G. Thengane	M.Sc (Botany) IV Sem		98504739 - 28 madhavigowar@gmail.com
50	Sonali R. Bhagat	M.Sc (Zoo) IV Sem		9922073050



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Chanda Shikshan Prasarak Mandal's
Janata Mahavidyalaya, Chandrapur
Department of Zoology

A

Report on

Bridge Course in "Planning and Execution of Dissertation / Research Project"

Date: 09.01.2018 to 16.01.2018

Venue: U.G. and P.G. Lab

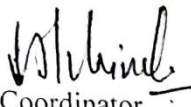
Department of Zoology, Janata Mahavidyalaya, Chandrapur has organized a Bridge Course Programme for U.G. and P.G. students. The program was scheduled for 7 days. It was conducted in U.G. and P.G. Lab of Zoology, Microbiology and Computer Science. *Number of students enrolled - 45*

Objective :- M.Sc. syllabus has one practical includes Dissertation / Research Project. As most of the students enrolled in from CBZ (Semester – VI), Microbiology (Semester – VI) and M.Sc. I background. They find it difficult to make Dissertation and Research Project. In addition to that students can plan their own experiment and perform that to test the validity of their ideas. With this view and to make the Research Project easy, and get basic fundamental knowledge of **Dissertation / Research Project**, this Bridge course is organized.

Method :- The course was inaugurated by Dr. M.Subhas, Principal, and continued for 7 days in department of Zoology, Microbiology and Computer Science.

Outcomes:- After completion of this Bridge Course students gain the knowledge how to execute a dissertation or project with following guidelines :

1. Selection of a Project Title
2. Collection of Data
3. Decide the methodology
4. How to write a project\
5. MS Project (Computer Work)


Coordinator
Head
Department of Zoology
Janata Mahavidyalaya,
Chandrapur

Bridge course "Advanced Techniques in Molecular Biology"

Department of Microbiology

Janata Mahavidyalaya, Chandrapur

Report on Bridge course

Title: 'Advanced techniques in Molecular Biology'.

Date: From 12th Feb.-16th Feb.2018.

Number of students enrolled: 61

1) Five days bridge course was organized by department of Microbiology. Total duration of the bridge course was 35hrs. Total 61 students participated during the course.

2) Course was inaugurated by principal Dr .M .Subhas , IQAC coordinator Dr. Nahida Baig and Dr. khinchi ,Vice- Principal was present as chief guest .

3) Students of M.Sc .Botany, M.Sc. Zoology and B.Sc. 3rd year Microbiology participated in the course based on 'Advanced techniques in Molecular Biology'.

4) Various micro-techniques and use of instrumentation was demonstrated by Prof. Ms. Archana Jadhav, Dr. Mrs. Supriya wankar and Prof. Ms. Kiran Kundu.

4) Students get the knowledge and performed the experiment regarding the advanced technique in molecular biology viz.

1. Plasmid DNA isolation. (Duration: 8hr.)

2. Chromosomal DNA isolation (Duration: 8hr.)

3. Restriction digestion enzyme. (Duration: 8hr.)

5) Students learnt about the preparations of Normal and Molar chemical solutions, preparation of buffer solutions, preparation of Agarose gel slab and also learnt about use and handling of instrumentation viz . Cooling centrifuge, SDS –page, gel electrophoresis, PCR techniques, trans-illuminator and use of Micropipettes etc.

6) These molecular technique will be helpful for students during dissertation work, research project and Ph.D work and during their job in relative industrial work and research laboratories.

Sundhar
Head
Deptt. Of Microbiology
J.M.V. Chandrapur


Principal
Janata Mahavidyalaya
Chandrapur



Syllabus of B.A. (English) Short term course in Spoken English

Chanda Shikshak Prasarak Mandal's
JANATA MAHAVIDYALAYA, CHANDRAPUR

DEPARTMENT OF ENGLISH

CERTIFICATE COURSE IN SPOKEN ENGLISH

REPORT

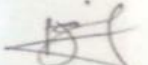
Three month Short Term Certificate course was conducted by the Department of English in the session 2018-19. It started on 5th February 2019

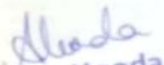
Students come from different levels of English knowledge. Some know a little English and are able to speak a little. But most are unable to do so. To enable students and make them ready to face the present professional world this course is run by the department.


This course aims at developing oral and written competence and also focuses on presentation skills. Students with special needs receive personal attention from the faculty.

By recognizing the potential of every student syllabus is framed by the department. Syllabus is divided into 4 modules focusing on basic grammar, speech sounds, vocabulary and English in every day use. A total of 27 students took admission in this course in this session and 18 students completed it during the last session (2017-2018). Academic Experts like Mrs. Dipika Santoshwar, principal, Bajaj Vidya Bhavan, Chandrapur, Mr. Pandey, Motivational speaker and Mr. Swapnil Bhagat, Assistant professor College, Chandrapur guided and motivated students during the course.

This course will make them quick learner, more confident about use of grammar and pronunciation. They will become efficient communicator in English with desired confidence.


Dr. E. S. Konda
Coordinator


Dr. Anita Hooda
H.O.D.
Department of English
J. M. V. Chandrapur


Principal
Janata Mahavidyalaya
Chandrapur


Principal
Janata Mahavidyalaya
Chandrapur



Syllabus of Compulsory course in Environmental studies

CURRICULUM FOR THE COURSE ENVIRONMENTAL STUDIES

(At Undergraduate level, compulsory for all faculties)
(50 Lectures Course, spread over 6 months, at the rate of 4 lectures/week)

Unit I : Introduction (2)*

Definition, scope and importance; Need for public awareness institutions in environment, people in environment.

Unit II: Natural Resources (2)

Renewable and non-renewable and associated problems: Role of an individual in conservation of natural resources; Equitable use of resources for sustainable lifestyles.

Unit III : Ecosystems (8)

Concept of an ecosystem understanding ecosystems, ecosystem degradation, resource utilization.

Structure and functions of an ecosystem, producers, consumers and decomposers.

Energy flow in the ecosystem - water, carbon, oxygen, nitrogen and energy cycles, integration of cycles in nature.

Ecological succession- Food chain, food webs- and ecological, pyramids; Ecosystem types - characteristic features, structure and function of forest, grassland, desert and aquatic ecosystems.

Unit IV • Bio-diversity (10)

Introduction - biodiversity at 'genetic, species and ecosystem levels

Bio-geographic classification of India.


Value of biodiversity - Consumptive use value, productive use value, social, ethical, moral, aesthetic and optional value of biodiversity

India as a mega-diversity nation; hotspot of biodiversity

Threats to bio-diversity - habitat loss, poaching of wildlife, man-wild life conflicts.

Common endangered and endemic plant and animal species of India.

In situ and Ex situ conservation of biodiversity


Co-ordinator
Environmental Studies
JMV Chandrapur


Principal
Janata Mahavidyalaya
Chandrapur



Unit V: Pollution (6)

Definition; Causes, effects and control measures of air, water, soil, marine, noise and thermal pollutions and nuclear hazards.

Solid waste management - causes, effects and control measures of urban and industrial waste.

Role of individual and institution in prevention of pollution.

Disaster management – Floods, earthquake, cyclone, landslides

Unit VI: Social Issues and Environment (12)

Unsustainable to sustainable development; urban problems related to energy; water conservation, rain water harvesting, water shed management; problems and concerns of resettlements and rehabilitation of affected peoples.

Environmental Ethics – Issues and possible solutions, resources and consumption patterns and need for equitable utilization; equity, disparity in western and eastern countries; urban and rural equity issues need for gender equity.

Preserving resources for future generations. The rights of animals; ethical basis of environmental education and awareness; conservation ethics and traditional values system of India.

Climate change, global warming, acid rain, ozone layer depletion, nuclear accidents.

Waste land reclamation; consumerism and waste products.

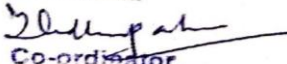
Environment legislations – the Environmental protection act; the water (Presentation and Control of pollution) Act; The wild life protection act; Forest Conservation act; issues involved in enforcement of environmental legislations – environmental Impact Assessment (EIA), citizens actions and action groups.

Public Awareness – using and environmental calendar of activities, self initiations.

Unit VII: Human Population and Environment (10)

Global population growth, variations among nations. Population explosion; Family welfare programs- Method of sterilization; Urbanization.

Environment and Human health – Climate and health, infectious diseases, water related diseases, risk due to chemicals in food, cancer and environment.


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Environmental Studies
JMV Chandrapur


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Human Rights – Equity, nutrition and health rights, intellectual property rights (IPRS), community biodiversity registers (CBRs).

Value Education – Environmental values, valuing nature, valuing cultures, social justice, human heritage, equitable use of resources, common property resources, ecological degradation.

HIV/AIDS; Women and child welfare; Information technology in environment and human health.

*(Number of lectures suggested)

Scope and depth of each unit taught would be as per UGC publication "A Textbook of Environmental Studies for undergraduate courses by Erach Bharucha", Published by University's Press (India) Pvt. Ltd., Hyderabad – 500029.

Students be exposed to at least 4 local field visits to record observations on the Ecosystem Structure, Common Plant and Animal Species, Pollution Sites, Decertified areas ect. The Field Note book maintained by the student would be evaluated for 25 marks at the end of course period.

Guidelines for Implementation:

- I. The theory question paper would carry 75 marks - 50 for objective type questions covering various aspects of the syllabus (50 questions, each of one mark) and 25 marks for five short questions.

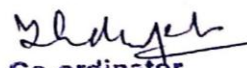
At the end of the course the student would be evaluated for 100 marks with distribution as below:

Field note book	25
Objective questions	50
Short questions (5)	25
Passing marks	40

The result: would be declared in grades -

Grade 0 : above 75; A : 61-75; B : 51-60; C : 40-50

- II. A fee of Rs.100/- per student be charged and its utilization is Rs 20/- will be sent to the University and Rs. 80/- to Principal to be utilized for infrastructure and administrative expenses 'Pertinent to the course. However the final fee structure may be decided by the appropriate authority of the University.


Co-ordinator
Environmental Studies
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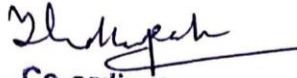

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Chandrapur



- III. The Principal would appoint Coordinator and Assistant Coordinator as per need to coordinate the reaching of the course, appoint contributory teachers, if necessary. At the end of the course, the college would conduct the examination. It will appoint-paper setters and examiners. The final grades of candidates should be informed to the university. The expenditures for all the required manpower be met from the remaining amount of fees.
- IV. Qualifications of a Teacher: A teachers possessing post graduate degree in environmental science is eligible for teaching in the "Course on Environmental Studies" if the suitable teacher is not available then the Approved Teacher /CHB Teacher will conduct lectures for time being until suitable candidate is available.
- V. The course should be taught in second year and can be cleared in third year in case the student remains absent or fails to clear the course.
- VI. The candidate will have to pass in the examination of this course in order to obtain degree certificate from the University.

OR

In lieu of entire course the student may be assigned a project work Encompassing Peoples Biodiversity Register (PBR) of any Gram-Panchyat as per format of Biodiversity Authority of India under the guidance of a teacher. This PBR should be evaluated for 100 marks.


Co-ordinator
Environmental Studies
JNV Chandrapur


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Syllabus of B.Com. Certificate course in Banking and Insurance

BANKING **(SYLLABUS)**

UNIT – I :- INTRODUCTION TO BANKING OPERATIONS

- The Changing Nature of Banking Operations.
- Importance of Customers Relationship Management in Banks.
- Different Types of Products and Services Offered to Customers.
- Role of Technology in Banking Operations.
- Bookkeeping and Maintenance of Accounts.

UNIT – II :-INTRODUCTION TO ELECTRONIC BANKING


- Electronic Banking
- E-Banking : An Introduction
- Internet : E-Commerce, E-Banking
- E-Banking in India
- Internet Banking Strategy
- Risk in E-Banking

UNIT – III :-RECENT TRENDS OF IT IN BANKING

- The Branch Renaissance
- The Migration to an Online Environment
- Customer Relationship through Portals
- The Digital Age of Banking

UNIT – IV :-PAYMENT AND SETTLEMENT SYSTEMS

- Payment Methods
- Electronic Fund Transfers
- Automatic Teller Machines
- Electronic Clearing Services
- Electronic Data Interchange
- Financial Networks in India
- Real – Time Gross Settlement Systems
- Digital Certificates


Vice Principal
Dept. of Commerce
Janata Mahavidyalaya, Chandrapur


Principal
Janata Mahavidyalaya
Chandrapur



INSURANCE

Syllabus

Introduction

- History of insurance
- Composition of Authority
- Duties, powers and functions of IRDAI

Product of Insurance

- Life Insurance
- General Insurance
- Health Insurance

Insurance laws

- Rules and Regulation of insurance
- RTI Act, 2005
- Appointed Actuaries

Insurance Council

- Life insurance Council
- General Insurance Council
- Council of Ombudsman



Vice Principal
Dept. of Commerce
Janata Mahavidyalaya, Chandrapur



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Syllabus of B.Sc. (Computer Sci.) Certificate course in Digital Design

Syllabus

Adobe Photoshop CC

Introduction, GUI, Color Theory, Selection Tools, Refine Edge, Slice, Crop, Transform Tool, Layers & Layer Blending Modes, Color Modes, Color Corrections, Converting B/W image to Color, Brushes, Brush Blending modes, Brush Presets, Healing Brush, Clone, History Brush, Pattern Stamp, Color Replacement, Gradient tool, Blur, Smudge, Sharpen, Dodge, Burn, Sponge, Text Tool, Warp Text, Pen Tool, Path, How to Make Clipart, How to create Logo, Quick Mask, Layer Mask, Vector Mask, Color Range, Editing Channels, Smart Filters, Filter Gallery, Vanishing Point, Actions, Composition, Matte Painting, Photo Manipulation.

Practical Assignments

1. Create Collage
2. Create Magazine Cover
3. Create Movie Poster
4. Create Photo Manipulation


DR. MANISH L. JIVTODE
HEAD
DEPT. OF COMPUTER SCIENCE
Janata Mahavidyalaya, Chandrapur


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Chanda Shikshan Prasarak Mandal's
Janata Mahavidyalaya, Chandrapur

Department of Physics

Certificate Course

In

Introduction to Radiotherapy and its Applications

Duration: 30 Hrs

Type: Certificate

Eligibility: This course is applicable to students of science faculty and applicants could be pursuing either an under graduation or a post graduation science degree with physics or chemistry as one of the subjects.

Timing: 12.30 p.m.

Fees: Rs.500 /-

Commencement: End of July of concerned academic year

Introduction: Radiotherapy, also called radiation therapy, is the treatment of cancer and other diseases with ionizing radiation. Ionizing radiation deposits energy that injures or destroys cells in the area being treated (the 'target tissue') by damaging their genetic material, making it impossible for these cells to continue to grow. Radiotherapy may be used to treat localized solid tumors, such as cancers of the skin, tongue, larynx, brain, breast, or uterine cervix. It can also be used to treat leukemia and lymphoma (cancers of the blood-forming cells and lymphatic system, respectively). This is an introductory course and provides motivation and many job options after its completion along with further studies.

Curriculum design

Module I: Introduction to Radiotherapy

Module II: Radiography Careers

Module III: Interaction of charged particle with matter


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Module IV: Radiation Physics and dosimetry

Module V: Biological basis of clinical particle physics

Module VI: Radiation measuring instruments

Module VII: Radiotherapy treatment techniques


Module VIII: Expert guidance Lecture

Module IX: Visit to cancer hospital Nagpur

Module X: Evaluation of students and certificate distribution

Benefits of the course: The participants will get useful information about treatment of cancer. This is an application of physics to medical science. They can opt for higher studies in Radiotherapy. They may get motivated for further studies like two years job oriented PGD course in Radiotherapy.

Contact details:


Course Coordinator
Dr. Nahida R. Bhat
Coordinator, IQAC
Asst. Professor, Dept. of Physics
Janata Mahavidyalaya, Chandrapur
Ph.9923753129, nahidacjazz@gmail.com


Dr. K.C. Patil
In-charge, Dept. of Physics
Janata Mahavidyalaya, Chandrapur


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Syllabus of B.Sc. (Chemistry) Certificate course in Analytical Chemistry

Chanda Shikshan Prasarak Mandal's

Janata Mahavidyalaya, Chandrapur

Department of Chemistry

Syllabus prescribed for short term course

"Certificate Course in Analytical Chemistry"

Module I: Ionic Bonding, solvation, solvation energy, solubility of ionic compounds, covalent bonding, polarity of covalent bond, polarization, intermolecular forces, hydrogen bonding. Properties of liquid, viscosity, surface tension, refractive index, optical activity, molecular weights of high polymers by viscosity method.

Module II: Electrolytes, nonelectrolytes, Ionic equilibria, Ostwald's dilution law, common ion effect, solubility product. Acids – Bases, Arrhenius concept, hydrolysis of salts, pH concept, pH of solutions, Buffers.

Module III: A) Analytical Chemistry-Introduction to analytical, laboratory note book, selecting and Handling of reagents, data analysis, significant figures, errors, precision and accuracy, method of expressing accuracy and precision.

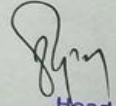
B) Important concentrations terms, standard solution, primary standards substance.

C) Common laboratory apparatus – analytical balance, apparatus for volumetric analysis, calibration of burette, pipette and volumetric flask.

Module IV: A) Titrimetric analysis – Acid-Base titration, Stoichiometry, Equivalent weights of acids and bases, acidimetry and alkalimetry, Acid-Base indicators.

B) Redox Titrations: Redox reactions, electrode potential, Use of KMnO_4 , $\text{K}_2\text{Cr}_2\text{O}_7$, Iodine in redox titrations, Equivalent Weights of oxidants and reductants, Indicators in redox titrations.

Module V: Instrumental Technique in analytical chemistry – Beer – Lambert's law, spectrophotometer, principle of spectrophotometer, atomic absorption spectrophotometer, IR spectrophotometer, chromatography, HPLC, gas chromatography. Flame photometer.


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The Department of Chemistry
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Practical:

- 1) Calibration of Fractional Weights and volumetric apparatus i.e. burette, pipette and volumetric flasks.
- 2) Preparation of standard solutions of primary standard substance and their subsequent dilutions.
- 3) To determine strength of HCl by titration with NaOH solution.
- 4) To determine the strength of oxalic acid solution by titration with KMnO_4 solution.
- 5) To determine the strength of ferrous ammonium sulphate solution by titration with potassium dichromate solution using an internal indicator.
- 6) To determine percentage purity of FAS.
- 7) To determine alkalinity of soda ash.
- 8) To determine acetic acid in vinegar.
- 9) To determine acid neutralization capacity of antacid tablet/suspension
- 10) To determine chlorine available in bleaching powder.
- 11) To determine saponification value of oil.
- 12) To determine refractive index of liquids.
- 13) To determine melting point and boiling point of organic compounds.
- 14) Crystallization of organic compounds using water and alcohol.
- 15) To determine pH of solution by pH-meter.
- 16) To determine conductance of solution by conductometer.

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


B.A.(Home Economics) Short term course in Mehendi Designs

JANATA MAHAVIDYALAYA, CHANDRAPUR Information of Short Term Courses

Name of College	Janata Mahavidyalaya, Chandrapur
Name of the department	Home Economics
Name of the Course	The Art of Mehendi Designs
Type (Certificate /diploma/Degree) (Value added/ Skill Oriented Course)	Value Added Certificate Course
Duration	32 hours
Eligibility	Nil (Anyone can join this course)
Timing	12.30 pm to 1.30 pm (2 hours every week)
Fees	500/-
Year of Introduction of Course	2017-18
Commencement	From month of September every year.
Intake Capacity	40 Students per Batch
Introduction/ Course Objectives	<ul style="list-style-type: none">• Making students self- Employed.• Developing hidden talent.• Giving them an opportunity to earn and learn.
Course Outcomes/ benefits of the course	<ul style="list-style-type: none">• After completion of this course students will be able to become self employed.• They will be able to develop Mehendi designing skills.• They will also be able to run Mehendi classes.
Curriculum Design	The curriculum is designed in Eight modules.
Syllabus	<ul style="list-style-type: none">• Drawing different forms of lines and symbols.• Information about making cones and preparing Mehendi paste.• Information about the designs and removal of Mehendi.• Demonstrate of different patterns of designs.• Simple Mehendi design.• Arabic designs.• Bridal Mehendi design.• Practice• Exam
Name of Course Coordinator	Dr. Kirti Anand Varma

HOD


Dr. Kirti Anand Varma
Home Economics Dept.
Janata Mahavidyalaya,
Chandrapur.

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Chandrapur


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B.Sc.(Botany) Short term certificate in Nursery and Gardening

CHANDASHIKSHAN PRASARK MANDAL'S
JANATA MAHAVIDYALAYA, CHANDRAPUR
DEPARTMENT OF BOTANY

SHORT TERM CERTIFICATE COURSE ON NURSERY & GARDENING

2017-18

Name of the Department :- Department of Botany
Name of the course :- Nursery & Gardening
Duration :- 32 period (3 Months)
Fee :- 300/- (Three Hundred Only)
Maximum Participant :- 49 students
Objective :- Learn and earn through this skill oriented course
Syllabus :-

Unit-I

- D) **Garden operation-** Procurement of material, preparation of soil, drainage, digging and trenching soil enrichment, organic manures, inorganic manures.
- E) **Garden types-** Roof garden, small garden, Exotic garden, Kitchen garden, Vegetable, Fruit, herb garden.
- F) **Role of Nursery and Garden for beatification and economic importance.**

Unit-II

- D) **Lawn and hedges-** Flower, herbaceous border and Roses, Chrysanthemums, carnations, Bulbous plant, Climber, trees, shrubs, orchids, ferns and palms, cacti and other succulents.
- E) **Plant propagation-** Sexual and vegetative methods, short and long term storage of propagation of seeds, fruits, bulbs, rhizomes.
- F) **Bonsai and Indoor plants-** Plant Protection: control measure of the plant diseases.

References

1. Trivedi P.P (1987) Home Gardening ICAR New Delhi.
2. Deena Beverley and Barty Phillips (2002) Encyclopedia of Gardening, paragon Book UK.
3. Beautiful trees and shrubs of Calcutta. Course out comes :-


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Syllabus B.Sc. (Zoology) Short term certificate Course in Aquarium development and Techniques

Syllabus

Aquarium Development and Techniques

1. History of Aquarium: History about ancient Indian and world aquarium. (4)
2. Aquarium Fishes :Indian and exotic Aquarium fishes.....(6)
3. Construction: Fabrication of Fresh water Aquarium, gravel, aquarium plants ,aerator and filter(6)
4. Maintaince of Aquarium : Cleaning ,water quality and maintenance(5)
5. Fish disease and treatment. (4)
6. **Practical work and Handling** : I. Identification of Aquarium fishes (9)
II. Cutting of Glass
III. Fabrication and Assembling

TOTAL CLASSES: 33 (¹⁵days)
445.

S.

S. K. M.
Assistant Professor
Department of Zoology
Janata Mahavidyalaya
JOS Chandrapur. (M.S.)

[Signature]
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Janata Mahavidyalaya
Chandrapur



**Syllabus of Ability Enhancement Compulsory Course for 1st Year BA, B.Sc. And B.Com.
(English)**

**GONDWANA UNIVERSITY, GADCHIROLI
SYLLABUS OF COMPULSORY ENGLISH**

To be implemented from 2017-18

Semester I

Unit I : Prose

- | | |
|--------------------------------------|---------------------|
| 1. Strong Roots | Dr. APJ Abdul Kalam |
| 2. Maintaining Democracy | Dr. B.R. Ambedkar |
| 3. Black Money and the Black Economy | C. Rammanohar Reddy |

Unit II : Poetry

- | | |
|---|---------------------|
| 1. Where the Mind is without Fear | Rabindranath Tagore |
| 2. Stopping by Woods on a Snowy Evening | Robert Frost |
| 3. Seven Ages of Man | William Shakespeare |

Unit III : Grammar

- A. Articles
- B. Prepositions
- C. Tenses-(Present Continuous, Past Continuous, Past Perfect)

Unit IV : Communication Skills

- A. Congratulating and Responding to Congratulations
- B. Asking for, Giving and Refusing Permission
- C. Job application.
- D. Curriculum Vitae (CV).

Semester II

Unit I : Prose

- | | |
|---------------------------------------|-------------------|
| 1. India's Message to the World | Swami Vivekananda |
| 2. Eyes are not here | Ruskin Bond |
| 3. The Birth of India's film Industry | Pamela Hutchinson |

Poetry

- | | |
|----------------------------|-----------------|
| 1. My Grand Mother's House | Kamala Das |
| 2. Ozymindias | P.B. Shelley |
| 3. To Science | Edgar Allan Poe |

Unit III : Grammar

- A. Synonyms
- B. Antonyms
- C. Tenses
 - i) Simple Present Tense
 - ii) Present Perfect Tense
 - iii) Simple Past Tense

Unit IV : Communication Skills

- A. Meeting people, Exchanging Greetings / Salutations & Taking Leave
- B. Introducing Yourself
- C. Preparing a Paragraph with the help of given points.
- D. Formal letter.

Textbook prescribed for Sem. I & Sem. II-
Roots- Orient BlackSwan.


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Gondwana University Gadchiroli
Syllabus for
F. Y. B. Com. / B. Sc./B. Sc. (I.T.)/B. C. A. (Sci.)

(To be implemented from June 2017)
80 Marks Theory (University Examination) + 20 Marks Internal Assessment

F. Y. B. Com. / B. Sc./B. Sc. (I.T.)/B. C. A. (Sci.)

Semester I- Compulsory English
Core Course
Course Code- UCA1C02

Prose Section

1	The Homecoming – Rabindranath Tagore
2	Playing the English Gentleman – M. K. Gandhi
3	Prospects of Democracy in India- Dr. B. R. Ambedkar
4	Indira Nooyi : A Corporate Giant

Poetry Section

1	The Village School Master – Oliver Goldsmith
2	If- Rudyard Kipling
3	My Grandmother's House – Kamala Das

Grammar and Communication Skills

Articles
Prepositions
Tenses
Synonyms and Antonyms
Correction of Sentences
Paragraph Writing
Introduction to Soft Skills- Leadership Skills, Team Work Skills, Time Management, Goal Setting

F. Y. B. Com. / B. Sc./B. Sc. (I.T.)/B. C. A. (Sci.)

Semester II
Compulsory English
Core Course
Course Code- UCA2C02

Prose Section

1	The Three Questions – Leo Tolstoy
2	The Chicago Speech – Swami Vivekananda
3	Work Brings Solace – APJ Abdul Kalam
4	Why Is the Sea Blue? – G. Venkataraman

Poetry Section

1	Where the Mind is Without Fear – Rabindranath Tagore
2	Money-Madness – D. H. Lawrence
3	Leisure – W. H. Davies

Grammar and Communication Skills

Question Tag
Voice
Advertisements
Dialogue Writing
Giving Personal information
Describing Daily Routine
Notices, Agenda & Minutes


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Syllabus of Ability Enhancement Compulsory Course for 2nd Year BA and B.Com

GONDWANA UNIVERSITY, GADCHIROLI SYLLABUS OF COMPULSORY ENGLISH To be implemented from 2018-19

Semester III

Unit I : Prose

1. Who am I Vishwanath Limye
2. Patriotism Alexis de Tocqueville
3. Yoga Dr.A.Chandramouly

Unit II : Poetry

1. The Mountain and the Squirrel R.W.Emerson
2. Daffodils William Wordsworth
3. The Banyan Tree DilipChitre

Unit III : Grammar

- A. Prefix
- B. Suffix
- C. Tenses
 - i. Simple Future Tense
 - ii. Future Continuous Tense
 - iii. Future Perfect

Unit IV : Communication Skills

- A. Thanking Someone and Responding to Thanks.
- B. Apologizing and Responding to an Apology
- C. Comprehension.
- D. Understanding Advertisements

GONDWANA UNIVERSITY, GADCHIROLI SYLLABUS OF COMPULSORY ENGLISH

To be implemented for 2018-19 only

Semester IV

Unit I : Prose

1. Water: The Elixir of Life C. V. Raman
2. Education: Indian and American Anurag Mathur
3. Muhammad Yunus: An Economics for Peace Farida Khan

Unit II: Poetry

1. She Walks in Beauty Lord Byron
2. Bangle Sellers Sarojini Naidu
3. Hunger JayantaMahapatra

Unit III: Grammar

1. Subject-verb Agreement
2. Changing Voice

Unit IV : Communication and Writing Skills

1. Making Requests and Responding to Requests
2. Giving Personal Information
3. News Reports
4. Writing Advertisements

Book recommended for SemesterIV:- New Dawn: An Anthology for Prose and Poetry.

Reference Books: The Communicator, Board of Editors, Published by Orient Blackswan

High School English Grammar and Composition, by Wren and Martin revised by Dr. N. D. V. Prasad Rao

A Course in English Grammar, R. N. Bakshi


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Gondwana University Gadchiroli

Syllabus for

B. Com Compulsory English - Semester III & IV

80 Marks Theory (University Examination) + 20 Marks Internal Assessment

B. Com Semester III - Compulsory English

Core Course

Course Code – UCA3C03

Prose Section –

1.	Sundar Pichai
2.	How Wealth Accumulates and Men Decay – G. B. Shaw
3.	Muhammad Yunus
4.	Youth and the Tasks Ahead – Karan Singh

Communication Skills and Personality Development Skills –

1.	Job Applications with CV
2.	Daily Routine (Based on time schedule)
3.	Emails
4.	Report Writing

Grammar –

1.	Punctuation
2.	Clauses
3.	Transformation of Sentences

Gondwana University Gadchiroli

Syllabus for

B. Com Compulsory English - Semester III & IV

80 Marks Theory (University Examination) + 20 Marks Internal Assessment

B. Com Semester IV - Compulsory English

Core Course

Course Code – UCA4C043

Prose Section –

1.	Values in Life – Rudyard Kipling
2.	Education Provides a Solid Foundation – Dr. A. P. J. Abdul Kalam
3.	My Lost Dollar – Stephen Leacock
4.	Introduction to Right to Information Act 2005 – Pralhad Kachre

Communication Skills and Personality Development Skills –

1.	Introducing Yourself
2.	Business Letters – Enquiry, Order and Complaint
3.	Presentation Skills
4.	Essay Writing

Grammar –

1.	Synthesis of Sentences
2.	Common Errors
3.	Idioms and Phrases



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Foundation Course
CBCS Pattern for B.A. Sem. – II

Environmental studies / Awareness / Concerns

Marks: 50

(02 credits)

Environment meaning, definition , its nature and scope, components of environment, man environment relationship, ecology and eco-system, types of ecosystem, environmental degradation and conservation, environmental laws, environmental impact assessment / evolution, concept of Sustainable development . Pollution - types causes and effect on biodiversity.

References:

1. Gharpure Vitthal; Paryavaranshastra,pimpalapure pub,Nagpur.
2. Harvey B & Hallar;Environment & Society,macmillan pub,
3. Jadhav V.H.;Principles of Environmental Science,Himalaya Pub,Mumbai
4. Wagner & Richard;Environment and man,W.W.Norton &co.
५. विश्वकर्मा, कनकलता: मानव जीवन और पर्यावरण, (२००७), युनिवर्सल वाईस, नई दिल्ली.


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Syllabus of Skill Enhancement Compulsory Course in Democracy, Elections and Good governance - B.Com. Sem. IV

Syllabus

Democracy, Elections and Good Governance

• Democracy in India

- Dimensions of Democracy: Social, Economic and Political
- Decentralisation: Grassroots Level Democracy
- Challenges before Democracy: women and marginalised sections of the society

• Election to Local Self Government Bodies

- 73rd and 74th Constitutional Amendment Acts: Institutions at the local level and Role of State Election commission
- Local Body Elections: Urban & Rural
- Duties of an Individual towards electoral process

• Good Governance

- Meaning and concept
- Government and Governance
- Good Governance initiatives in India

Rationale: the rationale of the study is to make the pupils aware of the importance of democracy. What constitute democracy, what is its importance from the point of view of the role of individual and what exactly can a individual get if he performs his role well in the society. This module also aims to make the individual understand the different aspects of democracy and its implications in the overall development of the state. The syllabus is introduced from the point of view that all students upon entering into the college, enroll themselves as voters and encourage and enthuse other members of the society to participate not only in election process but also electoral and political process in general.

I. Democracy

A. Introduction

Democracy is derived from the Greek word 'Krates' meaning power or rule. Democracy thus means rule of the demos (the demos refereeing to the people, although the Greeks originally used this to mean the 'poor' or the 'many'. Thus democracy essentially links to the govt to


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Syllabus of B.Sc. (Computer Sci.) Certificate Course in IT (MS-Word, MS-Excel and Internet)

Syllabus

Word Processing: Introduction to word processing, features of word processing, Creating documents, opening documents, Protecting documents, Printing documents, various utility options like copy , paste , cut , select, find, replace, goto, Formatting text with font, Paragraph, Alignment, linespacing , working with tables, Spelling and grammer check, Mail merge.

Working with MS Excel/Spreadsheets: Introduction to spreadsheets, Features, Starting excel, Parts of excel screen, Basics of MS excel, creating new workbook, Working with cells, various excel operations, creating formulas in excel, working with numbers and numeric formatting, text alignment, merging cells, preparing tables in worksheet, work with basic operations in MS- Excel. Entering data in worksheet,

Mathematical operations like calculating average, high score, total score of player, sum function, sorting of the records in ascending and descending order.

Creation of charts, Editing and formatting chart and database in MS excel.

Practical assignments:

1. Create and Edit Documents
2. Create Tables
3. Performing Operations on tables
4. Create salary sheet of employee.
5. Create mail-id.



DR. MANISH L. JIVTODE
HEAD
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Syllabus of B.A. (Hindi) Certificate Course in Prayojan Mulak Hindi

JANATA MAHAVIDYALAYA CHANDRAPUR

Information of Short Term Courses

Name of the College :-	Janata Mahavidyalaya Chandrapur
Name of the department :-	Hindi
Name of the courses :-	प्रयोजन मुलक हिन्दी.
Type (certificate/ Diploma /Degree/ :-	Value added/certificate courses
Value added/Skill oriented courses)	
Duration:-	30 Hrs
Eligibility :-	12 th Pass (छात्र)
Time :-	12.00 to 1.00 pm one hour a day
Year of Introduction Course :-	2018-19
Commencement :-	From the month of December 2018
Intake Capacity:-	50
Introduction/ Course Objectives :- प्रयोजन मुलक हिन्दी अभ्यासक्रम के अंतर्गत विविध विधाओंकर संयोजन किया गया। प्रयोजन मुलक के माध्यम से विद्यार्थियों को विविध विधाओंसे अवगत कराना हमारा उद्देश है। प्रत्येक विधा से विद्यार्थी अलग अलग ज्ञान हासिल करेंगे, जो हमारे अभ्यास क्रम में संलग्नी है। जैसे मसोदा लेखन ,टिप्पण,प्रारूपण,संघनक,अनुवाद,पत्राचार, विज्ञापण आदि.	
Course Outcomes/Benefits of the course :- 1.संघनक का उपयोग करना सिखेंगे 2.अलंकार से नाटक कहानी कविता में अच्छा कार्य करेंगे भाषा प्रबल होगी 3.विज्ञापण के जरिये दूरदर्शन रेडियो, समाचार पत्रोंमें विज्ञापण लेखन और विज्ञापण देना सिखेंगे सफल अनुवादक बनेंगे 5. पत्राचार द्वारा कार्यालय मंत्रालय विभिन्न सरकारी कार्यालय में काम करना सिखेंगे।	

पाठ्य क्रम प्रारूप:- (Syllabus) प्रयोजन मुलक हिन्दी

Name of the Coordinator :- - Dr.Sarita M Tiwari

Dr.Sarita M Tiwari
H O D (Hindi)
Janata Mahavidyalaya
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Syllabus of LPO (DHFL)



BSC/N2311

Verify and forward loan applications

National Occupational Standard	Unit Code	BSC/N2311
	Unit Title (Task)	Verify and forward loan applications
	Description	This OS unit is about verifying the loan application related documents and the form as filled by the loan applicant, and deciding to forward the application to sanctioning officer
	Scope	<p>This unit/task covers the following:</p> <ul style="list-style-type: none"> Coordinate with the customer and the colleague who referred the customer Check the loan application form and the support documentation Decide on forwarding the loan application for sanction <p>Range: Computer, MS Office, Document Management System</p>
	Performance Criteria(PC) w.r.t. the Scope	
	Element	Performance Criteria
	Coordinating with the customer and the colleague who referred the customer	<p>To be competent, the user/ individual must be able to:</p> <p>PC1. verify the conduct of customer's account in case of old customers</p> <p>PC2. verify details of the customer with the referring colleague</p> <p>PC3. check customer details such as name, age, income, purpose of loan, amount requested, etc., in the form</p> <p>PC4. ensure that the customers' queries are politely addressed</p>
	Checking the loan application form and the support documentation	<p>To be competent, the user/ individual must be able to:</p> <p>PC5. ensure that the appropriate loan application form is filled</p> <p>PC6. check whether all supporting documents and KYC proofs are attached with application</p> <p>PC7. ensure all details are correctly entered in the form</p> <p>PC8. ensure the required financial statements or IT Returns or Salary Slips are attached</p> <p>PC9. Ensure the validity of the statements mentioned in the documents by taking appropriate measures, e.g., collecting title deed for the land as mentioned in the form, etc.</p> <p>PC10. take customer signatures at all required places</p> <p>PC11. ensure that a clear photograph of customer is attached to the form</p> <p>PC12. conduct any other due-diligence as recommended by senior officer</p>
	Deciding on forwarding the loan application form for sanction	<p>To be competent, the user/ individual must be able to:</p> <p>PC13. ensure that all customer details are correctly captured in the form</p> <p>PC14. ensure that the customer has a capacity to repay</p> <p>PC15. ensure that the details pertaining to collateral are being properly documented</p> <p>PC16. check the CIBIL score for retail borrower or calculate</p> <p>PC17. forward the application for sanction, if the customer seems to qualify the basic requirements</p> <p>PC18. maintain a record of customer applications</p>
	Knowledge and Understanding (K)	


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