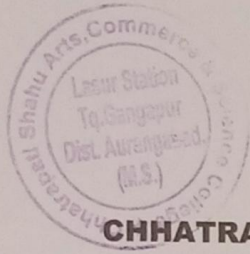


Marathwada Shikshan Prasarak Mandal's  
**CHHATRAPATI SHAHU ARTS, COMMERCE AND SCIENCE COLLEGE**  
**LASUR STATION TQ: - GANGAPUR DIST: - AURANGABAD**



**Short Term Courses: 2021-22**





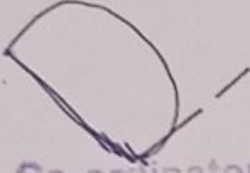
Marathwada Shikshan Prasarak Mandal's

**CHHATRAPATI SHAHU ARTS, COMMERCE AND SCIENCE COLLEGE  
LASUR STATION TQ: - GANGAPUR DIST: - AURANGABAD**

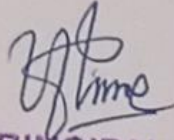
**List of Short Term Certificate Courses (2021-2022)**

Sr.No	Name of the Certificate Course	No. of the students enrolled	Department	Name of the Coordinator
1	Certificate Course in Marathi Writing Skill for Social Media	41	Marathi	Dr.N.B Kadam
2	Certificate Course in Communication Skills under Life Skills	50	English	Mis.P.B Satdive
3	Certificate Course in Green Chemistry for Sustainable Environment	60	Chemistry	Harepatil A.B
4	Certificate Course in spoken English	60	English	Bhise D.S
5	Certificate Course in Human Rights & Indian Constitution	33	Political Science	Ahire V.S
6	Certificate Course in Research Methodology	48	Botany	Kshirsagar S.P
7	Certificate Course in Introduction to Micro Economics	30	Economics	Jadhav D. S.
8	Certificate Course in Mutual Fund Distribution	44	Commerce	Sonawane M.P.
9	Certificate Course in Applied Sociology	29	Sociology	Harde S.P
10	Certificate Course in Tally ERP	30	Commerce	Misal G.R.
11	Certificate Course in C Programming	30	Computer science	Karpe R.T
12	Certificate Course in C Programming	30	Computer science	Karhale D.F.
13	Certificate Course in Research Methodology : Natures & Function	30	Hindi	Garole D. M
14	Certificate Course in Application of Physics in Medical and Agriculture Field	28	Physics	Moin G.K
15	Certificate Course in Research Methodology on Micro Techniques	60	Zoology	Jogdand R.S

16	Certificate Course in Mental Health Counseling	30	Psychology	Magare A.D
17	Diploma in Gandhian Thought	45	History	Sathe M . R
18	Certificate Course in GST	46	Commerce	Khurasane U.S

  
 Co-ordinator  
**Co-ordinator**  
**I.Q.A.C.**  
 Chatrapati Shahu Arts, Com & Sci College  
 Lasur Station Tq. Gangapur



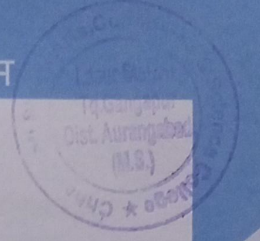
  
 PRINCIPAL  
 Chhatrapati Shahu Arts,  
 Commerce & Science College  
 Lasur Station Tq. Gangapur



मराठी विभाग

सूत्र संचालन प्रमाणपत्र अभ्यासक्रम

समन्वयक : डॉ. न. ब. कदम



अ) सूत्र संचालन संज्ञा संकल्पना

1. सूत्र संचालन शब्दाचा अर्थ
2. सूत्र संचालन शब्दाचा विविध व्याख्या
3. सूत्र संचालन संकल्पनेची ठळक वैशिष्ट्ये
4. सूत्र संचालनाची उपयुक्तता

ब). सूत्र संचालनासाठी प्रभावी ठरणारे घटक

1. उठावदार व्यक्तिमत्व
2. प्रभावी भाषाकौशल्य
3. चारोळ्यांचा वापर
4. समयसूचकता

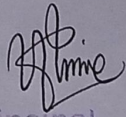
क). सूत्र संचालन करताना घ्यावयाची काळजी

1. कार्यक्रमाची पार्श्वभूमी लक्षात घेणे
2. बोलण्यातील पूर्णवृत्ती टाळणे
3. स्वतःच्या बोलण्यावर नियंत्रण ठेवणे
4. वक्त्याची भूमिका समजून घेणे

ड). मूल्यमापन / पध्दती,

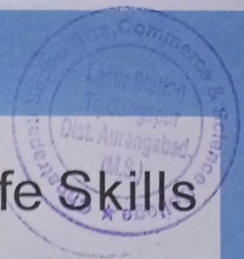
1. विद्यार्थ्यांचे प्रात्यक्षिक

इ). कालावधी - 03 महिने

  
Principal

Chhatrapati Shahu Arts,  
Commerce & Science College  
Lasur Station Tq. Gangapur  
Dist. Aurangabad. (M.S.)





# Communication Skills under Life Skills

Course Coordinator : Mrs. Satdive P.B

.....

## Curriculum

### Module 1: Listening

- Techniques of effective listening
- Listening and comprehension
- Probing questions
- Barriers to listening

### Module 2 : Speaking

- Pronunciation
- Enunciation
- Vocabulary
- Fluency
- Common Errors

### Module 3: Reading

- Techniques of effective reading
- Gathering ideas and information from a given text
  - i. Identify the main claim of the text
  - ii. Identify the purpose of the text
  - iii. Identify the context of the text
  - iv. Identify the concepts mentioned
- Evaluating these ideas and information
  - i. Identify the arguments employed in the text
  - ii. Identify the theories employed or assumed in the text
- Interpret the text
  - i. To understand what a text says
  - ii. To understand what a text does
  - iii. To understand what a text means



#### **Module 4: Writing and different modes of writing**

- Clearly state the claims
- Avoid ambiguity, vagueness, unwanted generalisations and oversimplification of issues
- Provide background information
- Effectively argue the claim
- Provide evidence for the claims
- Use examples to explain concepts
- Follow convention
- Be properly sequenced
- Use proper signposting techniques
- Be well structured
  - i. Well-knit logical sequence
  - ii. Narrative sequence
  - iii. Category groupings
- Different modes of Writing -
  - i. E-mails
  - ii. Proposal writing for Higher Studies
  - iii. Recording the proceedings of meetings
  - iv. Any other mode of writing relevant for learners

#### **Module 5 : Digital Literacy**

- Role of Digital literacy in professional life
- Trends and opportunities in using digital technology in workplace
- Internet Basics
- Introduction to MS Office tools
  - i. Paint
  - ii. Office
  - iii. Excel
  - iv. Powerpoint

#### **Module 6: Effective use of Social Media**

Introduction to social media websites

- Advantages of social media
- Ethics and etiquettes of social media
- How to use Google search better
- Effective ways of using Social Media
- Introduction to Digital Marketing



### **Module 7: Non-verbal communication**

- Meaning of non-verbal communication
- Introduction to modes of non-verbal communication
- Breaking the misbeliefs
- Open and Closed Body language
- Eye Contact and Facial Expression
- Hand Gestures
- Do's and Don'ts
- Learning from experts
- Activities-Based Learning

### **Duration**

Total 30 Hrs

Module 1 Listening 4 Hours

Module 2 Speaking 6 Hours

Module 3 Reading 3 Hours

Module 4 Writing and different modes of writing 4 Hours

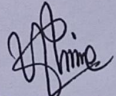
Module 5 Digital Literacy 4 Hours

Module 6 Effective use of Social Media 4 Hours

Module 7 Non-verbal communication 5 Hours

### **Evaluation**

- Unit Test
- Assignments
- Internal Test
- VIVA
- Final Exam

  
Principal  
Chhatrapati Shahu Arts,  
Commerce & Science College  
Lasur Station Tq. Gangapur  
Dist. Aurangabad. (M.S.)



# Green Chemistry for Sustainable Environment

Course Coordinator : Mr.Akshay Harepatil

.....

## Curriculum

### 1. Atmosphere (04)

Definition; structure and composition of atmosphere; evolution of atmosphere; composition of air.

### 2. Pollution (06)

Concept of pollution, Types of pollution - Air, soil, water, noise, Acid rain, Effects of air pollution on Human health with emphasis on effects of toxic metals

### 3. Environmental chemistry (06)

Concept and scope environmental chemistry; Definition and description of various terms, contaminant, pollutant, receptor sink, aerosols, particulates, pathways of pollutants, TLV, COD, BOD, chemical toxicology, hazardous chemicals, carcinogens

### 4. Green chemistry (04)

Introduction to the concept of Green chemistry, 12 principles of green chemistry, Global warming, scope and importance of green chemistry, waste prevention and minimization of waste generation. Atom economy, less hazardous chemical synthesis, designing safer chemicals, safer solvents, safer chemistry for accident prevention

### 5. Green chemistry tools (06)

Catalyst and Catalysis, Characteristics of catalyst, Types of catalysis Homogeneous, Heterogeneous catalysts, knyme catalysis Green chemistry using bio-catalytic reactions, Nanoparticle synthesis by microbes

### 6. Futuristic opportunities in Green chemistry for sustainable environment (06)

Ionic liquids Microwave assisted Online synthesis, Sonochemistry. Electrochemical reactions. Exploring nanotechnology, Biomimetic approach Biomass conversion







## Course Outcome

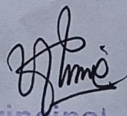
- To identify the goals and challenges of green chemistry.
- To understand current scenario of environment and the underlying principles of green chemistry.
- To understand the present green technologies and sustainable science
- Designing safe chemical reaction.

## Duration

- 3 Months
- Total: 32 hour

## Evaluation

- Unit Test
- Assignments
- Internal Test
- VIVA
- Final Exam

  
for Principal  
Chhatrapati Shahu Arts,  
Commerce & Science College  
Lasur Station Tq. Gangapur  
Dist. Aurangabad (M.S.)

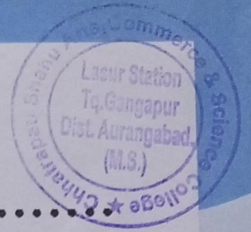




## Spoken English

Course Coordinator: Mr. D.S. Bhise

---



### Curriculum

- Advanced Grammar
- Communicative English (Interactive)
- Situational Conversation
- Listening and repeating
- Pre-recorded audiolectures
- English Pronunciation
- Communicative Video Clips
- Interview Techniques
- live Job Interviews
- General Knowledge & Aptitude

### Course Outcomes

- By the completion of the course, students will be able to
- Develop self confidence in regard with English Language
- Write grammatically correct sentences
- Talk in English properly
- Draft the scripts correctly
- Comprehend British accent of English language
- Face interviews confidently

*Dr. D.S. Bhise*  
Principal  
Chhatrapati Shahu Arts,  
Commerce & Science College  
Lasur Station Tq. Gangapur  
Dist. Aurangabad. (M.S.)



### Supporting Facilities

- College Computer Lab
- College Hall with Projector
- 01 Printer
- 
- 
- 
- 
- 

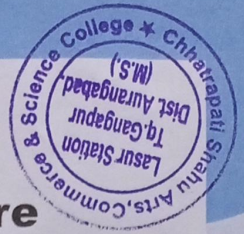
### Duration

32 Hours  
3 Months

### Evaluation

- Internal Exam pattern: 20 MCQ's from I to III module
- Theory Exam pattern: 01 long answer question from each module (Each question carries 10 marks)
- Practical Exam pattern: 01 major question+ 01 minor question (25+15 marks)
- Viva-voice=10 marks





# HUMAN RIGHTS AND INDIAN CONSTITUTION

**Course Coordinator : Mr. V.S. Ahire**

.....

## Curriculum

### **Unit - 1. Concept and Development of Human Rights**

1. Meaning & Scope of Human Rights
2. Development of Human Rights
3. Significance of Human Rights
4. Theories of Human Rights

### **Unit - 2 Human Right and International Perspective**

1. Universal Declaration of Human Rights 1948, International Convention of Civil & Political Rights 1966.
2. International Convention on Economic, Social and Cultural Rights 1966,
3. Convention on elimination of all forms of Discrimination against Women 1979, Convention on the Rights of Child 1989
4. Role of UN on Human Rights

### **Unit - 3 Human Rights in India: Constitutional Framework**

1. Fundamental Rights, Directive Principles of State Policy
2. Protection of Human Rights Act, 1993 & Role of NHRO & SHRC in Protection of Human Rights.
3. Judiciary and Human Rights
4. Role of NGO's and mass media in protection of Human Right

### **Unit - 4. Human Rights of Marginal Groups and Emerging Trends**

1. Rights of the Women and Children
2. Rights of the Minorities, Scheduled Caste and Scheduled Tribe
3. Rights of old and Disabled persons in organized labour
4. Human Rights and Terrorism, Environment & Globalization

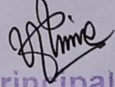


## Duration

- 32 Hours

## Evaluation

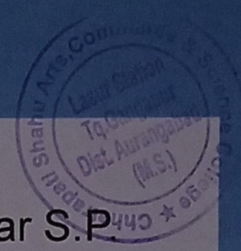
- Unit Test
- Assignments
- Internal Test
- VIVA
- Final Exam

  
Principal  
Chhatrapati Shahu Arts,  
Commerce & Science Colleg  
Lasur Station Tq.Gangapur  
Dist. Aurangabad. (M.S.)



# Research Methodology

Course Coordinator : Mrs. Kshirsagar S.P.



## Curriculum

### **Unit 1 Introduction to Research:**

Definition- Meaning, nature and scope of research, objectives of Research, Merits and demerits.

### **Unit 2 Planning Research Project:**

Identification, selection and formulation of a problem, Research design types of research

### **Unit 3 The process of Research:**

Hypothesis objectives, Primary synopsis, Method of investigation, survey method.

Case study method, experimental method and scientific method.

### **Unit 4 Method of collection Data:-**

Primary data, Observation, Interview, Telephonic, and mail survey.

Secondary Data: Cumulative record cards, schedules. Questionnaires an pilot study.

Classification tabulation & scaling of data, limitation of sampling- theoretical basis of sampling- probability and Non-Probability sampling errors, Objectives & determinants of classification- Tabulation of data

### **Unit 5 Data Analysis Tools:-**

Spread sheets, Use of Statistical Software SPSS & other Software, Analysis and interpretation of data

### **Unit 6 Report Writing:**

Nature, Types and Contents of Reports - Steps in drafting the reports

Unit 7 Ethics in report writing Plagiarism, e- content in report, references of web sources, Analysis & interpretation of data.



## Duration

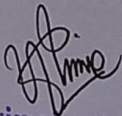
- 32 Hours

## References

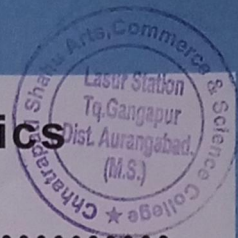
1. Micheal V.P, Research methodology in Management Himalaya Publishing House Pvt. Ltd. 2009
2. Uakkiram, Selvaraju, Research Methodology in Social Science, Himalaya Publishing House Pvt. Ltd.
3. Thanulingair N. Research Methodology Himalaya Publishing House.
4. Nandgopal R. Research methodology Himalaya Publishing House.
5. Gupta S. P. Statistical Methods, in Business, Himalaya Publishing House.
6. Golden, Bddle, Koren and koren, D. Locke: Composing qualitative Research, Sage Pub. 1997.

## Evaluation

- Unit Test
- Assignments
- Internal Test
- VIVA
- Final Exam

  
Principal  
Chhatrapati Shahu Arts  
Commerce & Science College  
Lasur Station Tq. Gangapur  
Dist. Aurangabad (M.S.)





# Introduction to Micro Economics

Course Coordinator : Mr. D.S.Jadhav

.....

## Curriculum

- Meaning, nature, scope, significance and limitations of micro economics.
- Difference between Micro Economics and Macro Economics,
- Concept of Demand, Law of Demand, Demand Function - Linear and non-Linear demand function.
- Concept of Supply, Law of Supply and Supply Function.
- Elasticity of Demand-Price, Income and Cross and its measurement.
- Elasticity of Supply, Meaning of Utility Marishallian Approach: Theory of Diminishing Marginal Utility, Consumer's Surplus.
- Hick's Approach: Indifference curve - properties of Indifference Curve.
- Consumer's Equilibrium with the help of Indifference Curve, Price effect, Income effect and substitution effect
- Hick's Approach: Indifference curve - properties of Indifference Curve.
- Consumer's Equilibrium with the help of Indifference Curve, Price effect,
- Static and Dynamic Equilibrium, Partial and General Equilibrium
- Meaning & classification of market
- Perfect Competition: concept - Characteristics, price determination in short and long run, Equilibrium of the firm and industry.
- Monopoly- Concept, Characteristics and short and long run Equilibrium, price determination, Price discrimination.
- Monopolistic Competition: concept. Characteristics and short & long run Equilibrium of Firm, Group Equilibrium, Selling cost.

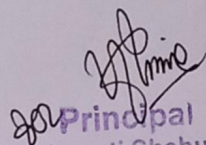


## Duration

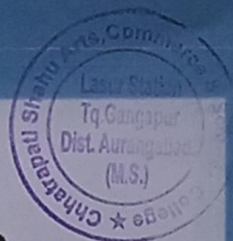
- 36 Hours
- 3 Months

## Evaluation

- Unit Test
- Assignments
- Internal Test
- Final Exam

  
Principal  
Chhatrapati Shahu Arts,  
Commerce & Science College  
Lasur Station Tq. Gangapur  
Dist. Aurangabad





# Mutual Fund Distribution

**Course Coordinator : Mr.M.P.Sonawane**

.....

## Curriculum

- I. INVESTMENT LANDSCAPE.
- II. CONCEPT AND ROLE OF A MUTUAL FUND.
- III. LEGAL STRUCTURE OF MUTUAL FUNDS IN INDIA.
- IV. LEGAL AND REGULATORY FRAMEWORK.
- V. SCHEME RELATED INFORMATION.
- VI. FUND DISTRIBUTION AND CHANNEL MANAGEMENT PRACTICES
- VII. NET ASSET VALUE, TOTAL EXPENSE RATIO AND PRICING OF UNITS
- VIII. TAXATION
- IX. INVESTOR SERVICES
- X. RISK, RETURN AND PERFORMANCE OF FUNDS
- XI. MUTUAL FUND SCHEME PERFORMANCE
- XII. MUTUAL FUND SCHEME SELECTION.



## References

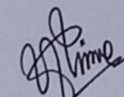
- Appendix 1: Fifth Schedule of Securities and Exchange Board of India (Mutual Funds) Regulations, 1996 [Regulations 18(22), 25(16), 68(h)]
- Appendix 2: AMFI Code of Ethics
- Appendix 3: AMFI's Code of Conduct for Intermediaries of Mutual Funds
- Appendix 4: Format of Scheme Information Document (SID)
- Appendix 5: Format of Statement of Additional Information (SAI)
- Appendix 6: Format of Key Information Memorandum
- Appendix 7: KYC Form for Individual
- Appendix 8: KYC Form for Non-Individuals
- Appendix 9: KYC Details Change Form for Individuals
- Appendix 10: KYC Details Change Form for Non-Individuals
- Appendix 11: Process for Aadhaar e-KYC of investors (resident) in the securities markets
- Appendix 12: Procedure for Transmission of Units on Death of a Unitholder

## Duration

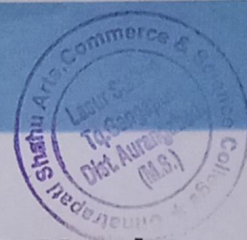
- 60 Hours

## Evaluation

- Unit Test
- Assignments
- Internal Test
- VIVA
- Final Exam

  
Principal  
Chhatrapati Shahu Arts,  
Commerce & Science  
Lasur Station, Tal. ...  
Dist. Aurangabad, ...





# Applied Sociology

Course Coordinator : Mr. Sharad P. Harde

## Curriculum

### **VOLUNTARY ACTION FOR RURAL DEVELOPMENT (Paper - 1)**

1. Concept of voluntary action - role of NGO's in rural development; sustainability of intervention role transformation of NGO's.
2. Interface between NGO's and GO's - Concept, need & strategies.
3. Community health & Education - women empowerment, Disabilities sector, Income generating training. Unionization of rural labor, micro finance, political empowerment of poor.
4. Council for advancement of people's action for rural technology funding monitoring and evaluation.
5. Religion Sidhi- Leadership and the people initiatives.

### **WATER MANAGEMENT (Paper II)**

1. Supply of water - quantitative and qualitative aspects, water use and development of demand challenges, sustainability of water use.
2. Surface water and ground water resources – potential and utilization, problem in water management.
3. Types and sources of irrigation - Major, medium and minor irrigation systems, tank irrigation, role and importance in drought prone region, problems in tank irrigation management.
4. Water conservation technology in Agriculture - Micro irrigation systems, Drip and sprinkler irrigation, comparative economics in relation to other methods.
5. Transfer to irrigation management to farmers – experiences in third world countries (India, China and Shrilanka) water uses associations.
6. Designing, measuring and communicating the criteria and indicators for sustainable water management.





## References

### **VOLUNTARY ACTION FOR RURAL DEVELOPMENT (Paper - 1)**

- Profiles, annual report and evolution reports of all the institutions covered in the syllabus.
- CAPPART MANUAL
- The Hindu survey of Agriculture - 1993 to 2008
- Mark a Robinson - Evaluating the impact of NGO's in rural development
- Rajeshwar D.M.K. Bhat - People centered rural development-NGO's and decentralized Government.
- Varma R.K. - Hindu Swaraj Trust.

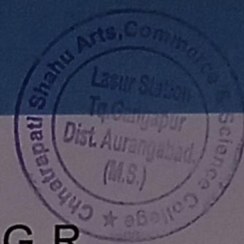
### **WATER MANAGEMENT (Paper II)**

- Rao K.L. - India's water wealth.
- Shiva Mohan MVK and Christopher A Scott - Future directions for Indian irrigation: Research and policy issues.
- Sivanappan - Sprinkler irrigation
- Patrick me Cully-Silenced Rivers irrigation systems in Decay: What the farmers can do India.
- Satish and Sunder- People participation and irrigation management: Experiences, issues and opinions.
- Norman Uphoff - Improving international irrigation management with farmers participating.
- Sreedhar G. - Tank irrigation in semi: Arid Zones
- Narayan Murthy and others – Evaluation of Drip irrigation systems in Maharashtra

*For*  
*Principal*  
Chhatrapati Shahu Arts  
Commerce & Science Colle  
Lasur Station Tq. Gangapur  
Dist. Aurangabad (M.S.)







# Tally ERP

Course Coordinator : Mr. Misal G.R



## Curriculum

- Computerized Accounting System:  
Introduction of computerized accounting, Benefits of computerized accounting system, Versions of tally software, Tally ERP 9.0, Installation and configuration of tally, features of tally ERP 9.0
  
- Basics of Computerized Accounting:  
Tally ERP 9.0, Start-Up and Quit Screen of Tally, Components, Creation of new company, Alter, Delete and Select company,
  
- Maintaining Accounts and Inventory Masters:  
Creation of groups and ledger, Stock groups and item, units of measure, stock categories, Go down function, Use of function FIT and F12.
  
- Accounting and Inventory voucher:  
Accounting vouchers- Receipt, Payment, Journal, Contra, Debit note, credit note, purchase and sales; Inventory vouchers- Purchase note, Sales note, Receipts and delivery note, Stock journals.
  
- Generating Accounting reports in tally ERP 9:  
Final Accounts, Ratio analysis, Leger report, voucher report, group summary, Inventory reports.
  
- Goods and Service Tax and Tally ERP 9.0 software:  
Introduction, Basics of GST. Use of ERP 90 software in GST



## Course Outcomes

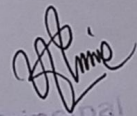
1. This course helps students to work with accounting software tally ERP
2. This course enable students to get placement in different industries..
3. This course enabled participants got practical exposure of this software (Tally ERP 9) while solving examples.
4. At the end of the programme students were found confident towards using Tally ERP

## Duration

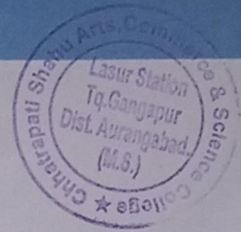
32 hrs

## Evaluation

- Unit Test
- Assignments
- Internal Test
- Final Exam
- 

  
Principal  
Chhatrapati Shahu Arts  
Commerce & Science Colle.  
Lasur Station Tq. Gangapu  
Dist. Aurangabad. (M.S.)





# C Programming

**Course Coordinator : Mr. R.T. Karpe**

.....

## Curriculum

### Introduction to C

- Importance of C
- What is C

### Let us start with C

- Tokens
- Constants and variables
- Rules for constructing variables
- Key words
- Datatypes
- Variable declaration

### Operators

- Arithmetic operator
- Relational operator
- Assignment operator
- Logical operator
- Increment and decrement operator
- Conditional operator
- Bitwise operator
- Special operator

### Structure of C language program

- Comment line
- Header file
- Declaration statements
- Main function
- First c program
- Input and output operations.
- Program that demonstrate input and output operations.
- Compilation and execution

### Decision control structure

- The if statement
- The if-else statement
- Nested if-else
- Else-if ladder
- Decision using switch

### The loop control structure

- While loop
- Do while loop
- For loop



## Course Outcome

Expected Outcomes:

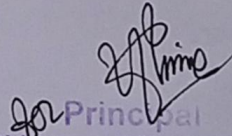
- Explain the fundamental process of problem solving using computers
- Design algorithm solutions for simple computing problems
- Write reliable C programs for given algorithms.
- Design, implement, test and debug programs that use different data types, such as simple
  - variables, strings, Arrays, pointers and structures
- Write C programs for simple applications using files

## Duration

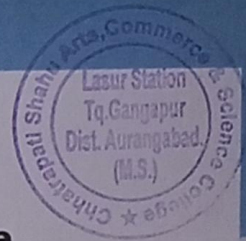
- 60 Hours

## Evaluation

- Unit Test
- Assignments
- Internal Test
- VIVA
- Final Exam

  
Principal  
Chhatrapati Shahu Arts  
Commerce & Science College  
Lasur Station Tq. Gangapur  
Dist. Aurangabad (M.S.)





# C Programming

**Course Coordinator : Mr. D.F. Karhale**

.....

## Curriculum

### Introduction to C

- Importance of C
- What is C

### Let us start with C

- Tokens
- Constants and variables
- Rules for constructing variables
- Key words
- Datatypes
- Variable declaration

### Operators

- Arithmetic operator
- Relational operator
- Assignment operator
- Logical operator
- Increment and decrement operator
- Conditional operator
- Bitwise operator
- Special operator

### Structure of C language program

- Comment line
- Header file
- Declaration statements
- Main function
- First c program
- Input and output operations.
- Program that demonstrate input and output operations.
- Compilation and execution

### Decision control structure

- The if statement
- The if-else statement
- Nested if-else
- Else-if ladder
- Decision using switch

### The loop control structure

- While loop
- Do while loop
- For loop



## Course Outcome

Expected Outcomes:

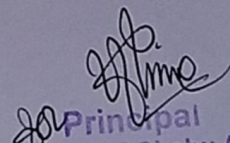
- Explain the fundamental process of problem solving using computers
- Design algorithm solutions for simple computing problems
- Write reliable C programs for given algorithms.
- Design, implement, test and debug programs that use different data types, such as simple
  - variables, strings, Arrays, pointers and structures
- Write C programs for simple applications using files

## Duration

- 60 Hours

## Evaluation

- Unit Test
- Assignments
- Internal Test
- VIVA
- Final Exam

  
Principal  
Chhatrapati Shahu Arts  
Commerce & Science College  
Lasur Station Tq. Gangapur  
Dist. Aurangabad (M.S.)



# Research Methodology: Nature & Function

Course Coordinator : Asst. Prof. Garole D.M.

.....

## Curriculum

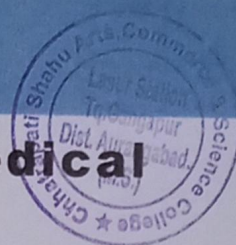
पाठ्यक्रम

1. शोध का अभिप्राय, स्वरूप एवं प्रयोजन
2. शोध के रूप: अनुसंधान, गवेषणा, सर्वेक्षण
3. शोध में प्राक्कल्पना, कल्पना, विपरीत कल्पना और परिकल्पना
4. शोध में तथ्य और सत्य
5. साहित्यिक शोध और वैज्ञानिक शोध
5. प्रमुख शोध पद्धतियाः  
तुलनात्मक, मनोवैज्ञानिक, सामाजिक, अंतरानुशासनिक, भाषावैज्ञानिक,  
पाठालोचनात्मक, ऐतिहासिक. एवं संस्कृतिक
7. शोध और आलोचना
8. शोध कि प्रक्रिया
9. शोध के साधन एवं उपकरण
10. शोध में सामग्री संकलन की प्रविधि और उपदेयता
11. शोध प्रबंध की रूपरेखा
12. शोध पद्धति, ग्रंथानुक्रमणिका
13. पारिभाषिक शब्द

*D. Garole*  
Principal

Chhatrapati Shahu Arts  
Commerce & Science Coll.  
Lasur Station Tq. Gangapur  
Dist. Aurangabad (M.S.)





# Application of Physics in Medical and Agriculture Field

Course Coordinator : Mr. G.K. Moin

.....

## Curriculum

### Unit:- I LASER

- Introduction of
- LASER Types of
- LASER
- Application of Laser in Medical field.
- Application of Laser in Agriculture Field.

### Unit:- II Ultrasonic Waves.

- Introduction of Ultrasonic waves.
- Piezo-electric oscillator
- Magnetostriction oscillator.
- Detection of Ultrasonic waves.
- Application of ultrasonic wave in Medical field.
- Application of ultrasonic wave in Agriculture Field.

### Unit:- III X-Ray

- Introduction of X-ray
- Types of X-ray
- Spectra.
- Features of continuous X-ray
- Continuous X-ray
- Application of X-ray

## Course Outcome

Students will able

- To develop a scientific attitude to make students open minded, critical and curious.
- To develop an ability to work an own and to make them fit for the society.
- To develop ability for the application of the acquired knowledge in the field of research so as to make our country self reliant and self sufficient.



### Duration

32 Hours  
2- 3 Lecutres per  
week

### Evaluation

- Unit Test
- Assignments
- Internal Test
- Final Exam

*M. K. Wadga*

Principal  
Chhatrapati Shahu An.  
Commerce & Science Coll.  
Lasur Station Tq. Gangapur  
Dist. Aurangabad. (M.S.)





# Research Methodology on Micro Techniques

Course Coordinator : R.S Jogdand

.....

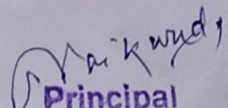
## Syllabus

### Theory

- Microtechnique: definition and introduction.
- Selection of animals for microtechniques:
  - Invertebrate
  - Vertebrate animals.
- Culture and preservation methods.
- Whole mounts, Smear methods, Squash methods, and sections methods.
- Temporary slide preparation.
- Permanent slide preparation (Tissue: Fixation, dehydration, Clearing, infiltration, Embedding, Microtomy, Staining and mounting.) Microscopy.

### Practicals

- Survey/ fieldwork for the study of animals.
- Culture the microorganisms (Any Protozoans) in the laboratory.
- Study of blood cells from the given blood sample.
- Whole mount slide preparation from the given material.
- Histological slide preparation of the given tissue.
- Slide submission.

  
**Principal**  
Chhatrapati Shahu Arts,  
Commerce & Science College  
Lasur Station Tq. Gangapur  
Dist. Aurangabad, M.S.



## Course Outcomes

- The student should be able to culture microorganisms in the laboratory.
- Identification and characteristic features of unicellular organisms.
- Students are able to learn research ideas and methods.
- It benefited to Zoology students in future career and develop interest in the subject.
- Students are able to prepare chemical reagent, preservation methods, slide preparations.
- To work with high-end equipment to collect samples, operate microtome machines and organise specimen to mechanically analyse samples.

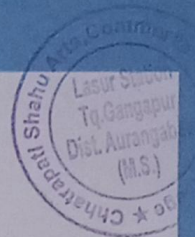
## Duration

3 Months  
Total: 36 hour

## Evaluation

- Unit Test
- Assignments
- Internal Test
- VIVA
- Final Exam





# Mental Health Counseling

Course Coordinator : Dr. A.D. Magare

.....

## Aim & Objective

- To increase opportunities of employment for students in the field of psychology
- To provide counselling services to society.
- To create awareness of mental health in student population.
- To understand the concept of the mental health
- To train the students to become able to adjust the life.
- To impart the skill to cope with stress

## Course Outcomes

- Lack of man power in mental health services so this course will help to increase manpower to serve the purpose
- Unemployment is one of the burning issue of our country. This Mental heal and counseling will help to student to get employment.
- This course also increase health awareness specially mental health issues.
- To promote mental health in students.
- To create man power as resources in mental health services



## Evaluation

- Practical: 50 Marks
- Theory: 50 Marks
- Final examination will be conducted after syllabus completion
- 50% is the passing criteria for the course.
- Certificates will be distributed to those who will qualify the above conditions.

## Duration

- 32 Hours
- 3 Months



*M. V. K. K. K.*  
Principal  
Chhatrapati Shahu Arts  
Commerce & Science College  
Lasur Station Tq. Gangapur  
Dist. Aurangabad. (M.S.)

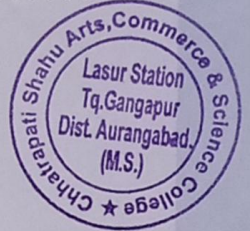


# Diploma Course in Gandhian Thought

Course Coordinator : Dr. Madhukar R. Sathe

.....

## Curriculum



### Unit-1

- Definition of Museum.
- Definition of Museology/Museography.
- History of Development of Museum - World / India.

### Unit-II

- Types of Museums - India. Para Museums.
- Rural Museums – their problems. Role of Museum in Society.
- Museum accountability. Museum in changing world.

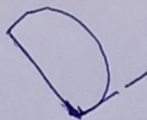
### Unit - III

- History / Archaeology / Architecture. Ethnology / Anthropology / Folk Literature. History of Art / Fine Arts / Performing Art. National History and Physical Sciences.

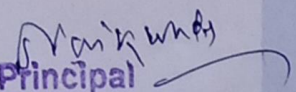
## Duration

32 Hours

3 Months

  
**Co-ordinator**  
**I.Q.A.C.**

Chatrapati Shahu Arts, Com & Sci. College  
Lasur Station Tq Gangapur

  
**Principal**  
Chhatrapati Shahu Arts  
Commerce & Science College  
Lasur Station Tq. Gangapur  
Dist. Aurangabad. (M.S.)

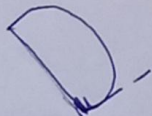


## References

1. Mazl Atmakatha- M.K. Gandhi.
2. Gandhiji & Lok Swaraj- M. Gandhiji.
3. Hind Swaraj-Gandhi.
4. Shri. Shakti-Vinoba.
5. Jivan Drishtri- Vinoba
6. Jivan Sadhana- Vinoba.
7. Shri.Purush Sahajivan- Dada Dharmadhikari
8. Vishwast Kalpana- Siddhant Vyawhar-Vinoba.
9. Nayi Talim-Naya Ayam- Nirmal Chandra.
10. Gandhi Vichar- Thakurdas Bang.
11. Modern India- Acharya Jawdekar,
12. Asli Swaraj- Thakurdas bang

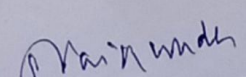
## Evaluation

- Unit Test Assignments
- Internal Test Final
- Exam
- 



**Co-ordinator**  
**I.Q.A.C.**

Chatrapati Shahu Arts, Com & Sci. College  
Lasur Station Tq Gangapur



**Principal**

Chhatrapati Shahu Arts,  
Commerce & Science College  
Lasur Station Tq. Gangapur  
Dist. Aurangabad. (M.S.)



## **GST**

**Course Coordinator : Prof. Uma Khursane**

.....

### **Curriculum**

- GST
- Registration
- GST Returns
- GST Invoices, debit and credit notes
- GST e-way bill
- GST Compositionscheme
- Input tax credit
- Input and output entries of CGST,
- SGST, IGST and UTGST
- GST Accounts and records

### **Course Outcomes**

- Students will be able to know the contents and format for various documents like tax invoice, bill of supply, debit note, credit note etc.
- Students will be able to compute the amount of CGST, SGST and IGST payable after considering the eligible input tax credit.
- Students will be able to determine whether a person is required to obtain registration under GST law.
- Students will understand the process of filing GST return and compute the tax liability.
- Students will get the practical knowledge of GST account and that will affect their job opportunities.

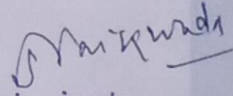


## Evaluation

- Practical: 50 Marks
- Theory: 50 Marks
- Final examination will be conducted after syllabus completion
- 50% is the passing criteria for the course.
- Certificates will be distributed to those who will qualify the above conditions.

## Duration

- 32 Hours
- 3 Months



Principal  
Chhatrapati Shahu Arts,  
Commerce & Science College  
Lasur Station Tq. Gangapur  
Dist. Aurangabad. (M.S.)



Marathwada Shikshan Prasarak Mandal's  
**CHHATRAPATI SHAHU ARTS, COMMERCE AND SCIENCE COLLEGE**  
LASUR STATION TQ: - GANGAPUR DIST: - AURANGABAD



**Short Term Courses: 2019-20**



Marathwada Shikshan Prasarak Mandal's

**CHHATRAPATI SHAHU ARTS, COMMERCE AND SCIENCE COLLEGE  
LASUR STATION TQ: - GANGAPUR DIST: - AURANGABAD**

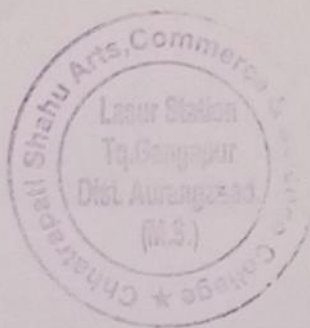
**List of Short Term Certificate Courses (2019-2020)**

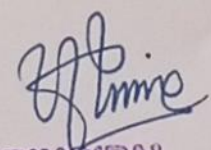
Sr.No	Name of the Certificate Course	No. of the students enrolled	Department	Name of the Coordinator
1	Certificate Course in Women Empowerment	36	Pol. Sci.	Ahire V.S
2	Certificate Course in International Economics	15	Economics	Jadhav D.S
3	Certificate Course in Advanced Instruments in Chemistry	59	Chemistry	Hiwale D.T



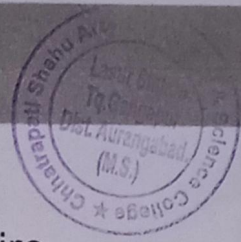
**Co-ordinator  
I.Q.A.C.**

Chatrapati Shahu Arts, Com & Sci. Col' e  
Lasur Station Tq. Gangapur



  
**PRINCIPAL**  
Chhatrapati Shahu Arts,  
Commerce & Science College  
Lasur Station Tq. Gangapur





# Women Empowerment

Course Coordinator: Prof. V.S. Ahire

.....

## Curriculum

### **Unit.01. Perspective of Women Empowerment**

11. Meaning, Concept, Nature, Objectives
2. Determinants of Women Empowerment, Education, Health, Social Life, Economic Status, Communication Skills, Political Life, Cultural Life, Decision Making
3. Changing role and status of women in Historical Perspective, Ancient, Medieval, British and Post-Independent.
4. Various theories of Feminism, Liberal, Marxist, Radical & Socialist

### **Unit.02. Strategic Approach for Women Empowerment**

1. Women Education, Pre and Post Independence in India, Importance of Women Education in Women Empowerment. Special education schemes for women's equality.
2. Development of mother child Health programs family planning Integrated health programmed.
3. National Women Commission and State Women Commission.
4. Women Empowerment: Issues and Remedies in India.

### **Unit.03. National Policy and Constitutional Protection for Women Empowerment**

1. National Policies for Women Empowerment,
2. Constitutional and other Legal provisions for women Empowerment

Legal Rights for women, Convention on Elimination of All Form (CEDAW) Discrimination against women Equal Remuneration Act-1976, (ERA) Medical Termination Act 1961, Medical Termination OF Pregnancy Act (MTP AL - 1971), Maternity Benefit Act 1961, Domestic Violence Act-2005, Dowry Prohibitions Act-196.1

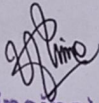


## Duration

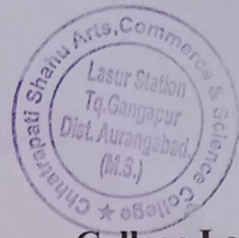
- 32 Hours

## Evaluation

- Unit Test
- Assignments
- Internal Test
- VIVA
- Final Exam

  
**Principal**  
Chhatrapati Shahu Arts,  
Commerce & Science College  
Lasur Station Tq. Gangapur  
Dist. Aurangabad. (M.S.)





M.S.P.Mandal's  
**Chhatrapati Shahu Arts, Commerce & Science College Lasur  
Station Tq.Gangapur**

---

## Dept. of Economics

### Brief Report of Certificate Course in International Economics

Academic Year: 2019-20

**Aim:** To develop or strengthen specific career skills.

**Objectives:** To focus on the role of the new issues in the world economy.

**Duration:** 30 Days

**No. of Beneficiaries:**

**Expected Outcome:** Study on focused topic in shorter time frame than earning a degree

### Brief Report of the Course

Department of Economics , Chhatrapati Shahu College Lasur Station provide certificate course to students for continuing education in International Economics, International trade & world Economy, Slandered trade model & theories, WTO, IMF & related fields. Participants are leading – edge professionals & students who want to sharpen their skills, get exposure to prevailing theoretical & empirical topics and network with colleagues & instructors. With the average class size of ---- participants, these courses offer the opportunity to meet and be instructed by top academic faculty & presenters from the public & business world. The Programme prepares students for the exactness that is required in the Professional & Academic sector or stage related to Economics.

Coordinator Head of Department

Principal

PRINCIPAL  
Chhatrapati Shahu Arts,  
Commerce & Science College  
Lasur Station Tq. Gangapur



# Advanced Instruments in Chemistry

Course Coordinator : Mr.D.T.Hiwale

.....

## Curriculum

### Unit-1: Basic Concepts in Chemistry

Acidity, Basicity PH, Poh. Ostwald dilution law. Law of mass action, K. Kb. K.b & K. Indicators, Theory of indicators, Range of indicators Neutralization, neutralization curves, Equivalent & molecular weight, concepts of oxidizing & reducing agents.

### Unit-2 : Gaseous, Solid & Liquid State Chemistry Behavior of Gascs:

Kinctic thory of gascs, deviation from idcal behaviors and explanation Solid State: Crystalline structures, lattices, physical properties.

Adsorption: Freundlich and Gibbs adsorption isotherms, Langmuir theory of adsorption isotherms Liquid State. Physical properties (Vapour pressure, surface tension, Heat of formation, viscosity, refractive index, optical activity, dipole moments and chemical constituents). Solutions: Ideal and real solutions, partition coefficient conductance and its measurement

### Unit-3: Thermodynamics and phase rule

Thermodynamics: first, second and third laws, Zeroth law, phase euqilibria and phase rule.

### Unit-4: Chemical Kinetics

Chemical Kinetics: Zero, first and second order reactions, theories of reaction Kinetics, acid base catalyzed reactions,





## References

### Reference Books:

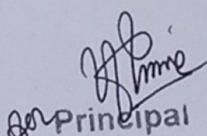
- 1) B. S. Bahl, G. D. Tuli, Arun Bahl, Essentials of Physical Chemistry, Reprinted 24<sup>th</sup> Edition, S. Chand and Company Ltd., New Delhi, 2004.
- 2) L. M. Atherden. Bentley and Driver's Textbook of Pharmaceutical Chemistry. 8th Edition, Oxford University Press, Bombay, 1994.
- 3) S. Glasstone. Text book of Physical Chemistry, 2nd Edition, Rajiv Beri for Macmillan India Limited, New Delhi, 1995
- 4) G. Raj, Advanced Physical Chemistry, 20<sup>th</sup> Edition, Goel Publishing House, Meerut, 1996-97.
- 5) I. B. Yadav, Advanced Practical Physical Chemistry, 15th Edition, Goel Publishing House. Meerut. 1997.
- 6) W. J. Moore, Physical Chemistry. 5<sup>th</sup> Edition, Orient Longman Pvt. Ltd., New Delhi, 2004.

## Duration

- 32 Hours
- 3 Months

## Evaluation

- Unit Test
- Assignments
- Internal Test
- VIVA
- Final Exam

  
Principal  
Chhatrapati Shahu Arts,  
Commerce & Science Colleg  
Lasur Station Tq. Gangapur  
Dist. Aurangabad. (M.S.)





Marathwada Shikshan Prasarak Mandal's  
**CHHATRAPATI SHAHU ARTS, COMMERCE AND SCIENCE COLLEGE**  
LASUR STATION TQ: - GANGAPUR DIST: - AURANGABAD



**Short Term Courses: 2018-19**

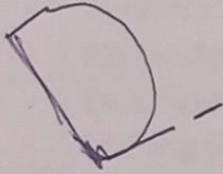


Marathwada Shikshan Prasarak Mandal's

**CHHATRAPATI SHAHU ARTS, COMMERCE AND SCIENCE COLLEGE  
LASUR STATION TQ: - GANGAPUR DIST: - AURANGABAD**

**List of Short Term Certificate Courses (2018-2019)**

Sr.No	Name of the Certificate Course	No. of the students enrolled	Department	Name of the Coordinator
1.	Certificate Course in Electronics Equipment Maintenance	20	Physics	Mr. Kadam K.K



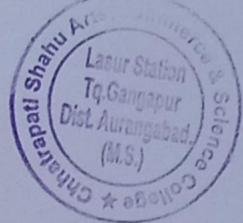
**Co-ordinator  
I.Q.A.C.**

Chatrapati Shahu Arts, Com & Sci. College  
Lasur Station Tq Gangapur



*Zfime*  
**PRINCIPAL**  
Chhatrapati Shahu Arts,  
Commerce & Science College  
Lasur Station Tq. Gangapur





M.S.P.Mandal's  
**Chhatrapati Shahu Arts, Commerce & Science College Lasur  
Station Tq.Gangapur**

---

**Dept. of Physics**

Brief Report of Certificate Course in Electronic Equipment Maintenance

Academic Year: 2018-19

**Aim:** To introduce the students with working mechanism of various electronic equipments useful in daily life and acquaint them with basic skills of repairing and maintenance of these equipment.

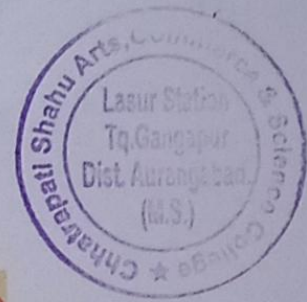
**Objectives:** To make the students familiar with the use of lab equipments, testing of electronic equipments and various repair and maintenance techniques.

**Duration:** 30 days

**No. of Beneficiaries:**

**Expected Outcome:** The students will be able to gain an understanding of working principles of various electronic equipments and can identify the faults to repair and maintain it. Also, they will be able to design, assemble basic circuits.





## Brief Report of the Course

Electronic equipment maintenance is a 30days certificate level course in physics and electronics. The course duration was from 01 Sep 2018 to 05 Oct 2018. For this certificate course ---- students enrolled themselves and have taken the benefits of this course. This course is an introduction to i) basic scientific principles and working of electronic instruments ii) designing electrical circuits and iii) basic techniques of repair and maintenance. Students successfully completing this course will be able to identify various electronic components, can analyse basic electronic circuits and gain the understanding of the working of these equipments. The course will also explain students the calibration and testing of the equipments, soldering techniques and basic servicing skills. Students will also gain the brief insight of electrical & electronics materials, basic computer techniques and can get elementary workshop practice.

Signature of the Course Co-Ordinator

Principal

**Principal**  
Chhatrapati Shahu Arts,  
Commerce & Science College  
Lasur Station Tq. Gangapur  
Dist. Aurangabad. (M.S.)



Marathwada Shikshan Prasarak Mandal's  
**CHHATRAPATI SHAHU ARTS, COMMERCE AND SCIENCE COLLEGE**  
**LASUR STATION TQ: - GANGAPUR DIST: - AURANGABAD**



**Short Term Courses: 2017-18**

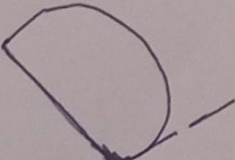


Marathwada Shikshan Prasarak Mandal's

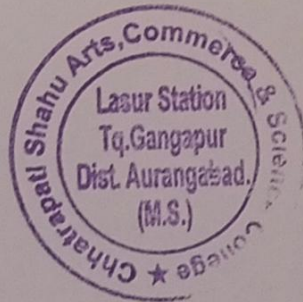
**CHHATRAPATI SHAHU ARTS, COMMERCE AND SCIENCE COLLEGE  
LASUR STATION TQ: - GANGAPUR DIST: - AURANGABAD**

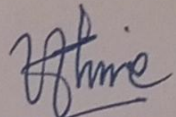
**List of Short Term Certificate Courses (2017-2018)**

Sr.No	Name of the Certificate Course	No. of the students enrolled	Department	Name of the Coordinator
1	Certificate Course in Research Methodology History	30	History	Dr. Sathe M.R
2	Certificate Course in Micro Economics	29	Economics	Mr. Jadhav D.S
3	Certificate Course in Research Methodology in Social Science	59	Sociology	Mr. Harde S.P
4	Certificate Course in Marathi Writing Skill	35	Marathi	Dr.Ghodke S.M

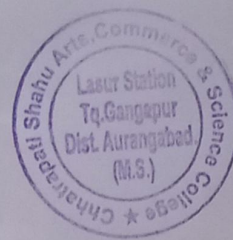
  
**Co-ordinator**  
**I.Q.A.C.**

Chatrapati Shahu Arts, Com & Sci. College  
Lasur Station Tq. Gangapur



  
**PRINCIPAL**  
Chhatrapati Shahu Arts,  
Commerce & Science College  
Lasur Station Tq. Gangapur





M.S.P.Mandal's  
**Chhatrapati Shahu Arts, Commerce & Science College Lasur  
Station Tq.Gangapur**

**Department of History**

**Certificate Course in Research Methodology in History**

**Academic Year: 2017-18**

**Aim:** To Make Students aware of research & Research Methodology in History

**Objectives:**

1. To introduce research skills and required insights Amongst Students.
2. To analyze and classify various sources and their credibility and authenticity for research in history.

**Duration:** 30 Days

No. of Beneficiaries:

Expected Outcome:

1. Understand the importance of research in history and various methods.
2. Cite the reference and bibliographical details in scientific manner
3. Classify the various resources
4. Examine the authenticity and credibility of historical resources

**Brief Report of the Course**

Research is an important aspect of the study of any discipline. A skilled researcher must know the various methods and methodology to carry on research activity. A Certificate course in Research Methodology in History is designed to impart insights into the different methodology in History. It would provide the understanding of various dimensions of research in history, sources and resources, their credibility and authenticity for bringing about the facts based on contemporary records, historical evidences, writings etc. It would introduce the students the referencing and bibliographic skills for citing and acknowledging the resources.

**Signature of the Course Co-Ordinator**

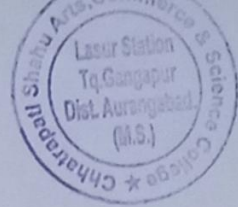
(Dr. Sathe m k)

H.O.D History Dept.

Principal  
**Principal**

Chhatrapati Shahu Arts,  
Commerce & Science Colleg  
Lasur Station Tq.Gangapur  
Dist. Aurangabad. (M.S.)





M.S.P.Mandal's  
**Chhatrapati Shahu Arts, Commerce & Science College Lasur  
Station Tq.Gangapur**

**Dept. of Economics**

**Brief Report of Certificate Course in Micro Economics**

**Academic Year: 2017-18**

**Aim:** The key micro economic goals are the efficient use of resources that are efficient distribution of output.

**Objectives:** To provide students with standard graduate level micro economic tools.

**Duration:** 30 Days

No. of Beneficiaries:

**Expected Outcome:** the gain an understanding of many factors that affect us in the real world.

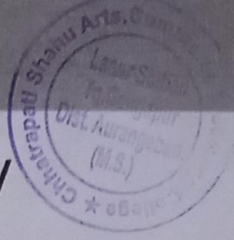
**Brief Report of the Course**

Micro Economics is the study of the allocation of scarce resources among individuals. This course is an introduction to basic governing of the operation of the Micro Economics, with specific emphasis placed understanding Micro Economics with specific emphasis placed understanding Micro Economics theory. Policy & Issues as they related to business decision making. Students successfully completing this course will be able to understand the working of the supply & demand model from both a graphical & mathematical perspective. Explain the role that elasticity plays in the supply & demand model and know how to calculate and interpret various elasticities, understand utility maximization and the theory of consumer behaviour, explain how cost structure modify in the short run & long run. Analyse various market structure in terms of their economic performance & understand the working of the various factor market.

Signature of the Course Co-Ordinator

Principal  
Chhatrapati Shahu Arts,  
Commerce & Science College  
Lasur Station Tq.Gangapur  
Dist. Aurangabad. (M.S.)





# Research Methodology in Social Science

Course Coordinator : Asst. Prof. S. P. Harde

.....

## Curriculum

### UNIT-I

Introduction: Meaning of research, Objectives of research, Motivation in research, Types of research, research approaches, significance of research, research and scientific method, importance of knowing how research is done, research process, criteria of good research.

Research Problem: Concept and Need, identification of research problem, defining and delimiting research problem, research questions and hypothesis, variables and their linkages, characteristic of good hypothesis, research question and formulations of hypothesis- directional and non-directional hypothesis, basis for hypothesis.

### UNIT-II

Literature Review: Place of literature review in research, bring clarity and focus to research problemn, improve methodology, broaden knowledge base in research area, develop a theoretical framework, develop a conceptual framework, writing up the literature reviewed.

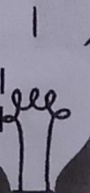
Research Design: Meaning of research design, need for research

design, features of a good design, important concepts relating to research design, different research designs.

### UNIT-III

Methods of data collection: Collection of primary data, observation method, interview method, collection of data through questionnaires, collection of data through schedules, difference between questionnaires and schedules, some other methods of data collection, collection of secondary data, selection of appropriate method for data collection.

Processing and analysis of data: Processing operations, some problems in prrocessing, statistics in research, measures of central tendency, simple regression analysis, multiple correlation and regression, partial correlation





## Evaluation

- **Quizzes: 10%** To reiterate, expected to do all assigned readings by the start of each week. Teachers monitor the progress of students reading by performance in quizzes to be given on unannounced data's. There are ten Quizzes in total. Teacher considers student eight best performances to calculate this final grade. There is no makeup for these quizzes.
- **Presentations: 10%** Expected two give presentations in front of class members. While too separate dates. Instruction are given at least a week before each presentation.
- **Written exam: 40%** There are non cumulative exams. The exam covers two papers.
- **Project report: 40%** Each student selects a topic for the research project.

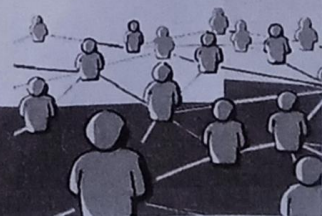
## GRADING

- **DISTRIBUTION A+:**
  - 81 to 100%
  - A: 75 to 80%
  - B+: 70 to 74%
  - B: 65 to 69%
  - C+: 61 to 64%
  - C: 55 to 60 %
  - D: 45 to 49%

## Duration

32 Hours  
3 Months

Principal  
Chhatrapati Shahu Arts  
Commerce & Science Colle  
Lasur Station Tq.Gangapur  
Dist. Aurangabad (M.S.)





मराठी विभाग

मराठी लेखन कौशल्य प्रमाणपत्र अभ्यासक्रम

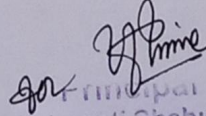
समन्वयक : डॉ. शिवप्रसाद घोडके

\* अभ्यासक्रम -

1. लेखन विषयक पारिभाषिक संज्ञा
2. विराम चिन्हांची ओळख
3. मराठी लेखन विषयक नियम
4. मराठीतील उच्चारण आणि लेखन
5. अचूक शब्द सूची

\* मूल्यमापन पध्दती  
(घटकचाचणी / सराव)

\* कालावधी - 03 महिना

  
Principal  
Chhatrapati Shahu Arts,  
Commerce & Science College  
Lasur Station Tq. Gangapur  
Dist. Aurangabad. (M.S.)