Skill Based Courses/ Short Term Courses

प्रसारमाध्यमांसाठीलेखनकौशल्य

Name of the Department	: Marathi
Course Name	: **प्रसारमाध्यमांसाठीलेखनकौशल्य**
Course Coordinator Name	: Dr. S. J. Awale
Contact Number	: 89994460545
Duration	: 03 Month.
Fee	:300/-
Eligibility	:12th Pass
Minimum intake Capacity	: 20

Objectives:

1. विदयार्थ्यांच्यातसामाजिकजाणीवनिर्माणहोईल.

2. विद्यार्थ्यांच्यातआजच्याजगाचेज्ञानसततजागृतराहील

3. विद्यार्थीआत्मनिर्भरहोईल

4. लेखनाचेप्रात्यक्षिकज्ञानमिळेल.

5 लेखनाचेअसणारेअनेकआयामलक्षातयेतील.

6. विद्यार्थ्यांनारोजगाराच्यासंधीउपलब्धहोतील.

7. विद्यार्थ्यांनावृत्तपत्रमाध्यमांचीओळखहोईल.

Learning Outcomes:

1. विद्यार्थ्यांमध्येलेखनकौशल्यांचाविकासहोईल.

2. विद्यार्थ्यांमध्येप्रसारमाध्यमासाठीलेखनकौशल्यांचाविकासहोईल.

मुद्रितशोधनप्रमाणपत्रकोर्स

Name of the Department   : Marathi

Course Name   : मुद्रितशोधनकौशल्य

Course Coordinator Name   : Dr. S. J. Awale

Contact Number   : 8999446054

Duration   : 03 Manth.

Course Fee   : 300/-

Eligibility   : 12th Pass 8. Minimum

Intake Capacity   : 20

Objectives

1. विदयार्थ्यांच्याआषिकज्ञानातभरपडेल.

2. विद्यार्थ्यांच्यालेखनशुद्धीवरभरदेण्यातयेईल.

3. विद्यार्थीनालेखनातीलत्रुटीदूरकरण्याचेकौशल्यविकसितहोईल.

4. विद्यार्थ्यांनालेखनाचेप्रात्यक्षिकज्ञानमिळेल.

5. लेखनाचेअसणारेअनेकआयामलक्षातयेतील.

6. विद्याश्र्यांनारोजगाराच्यासंधीउपलब्धहोतील.

7. विद्यार्थ्यांनामुद्रितशोधकम्हणूनस्वतःचीओळखनिर्माणकरतायेईल.

Learning Outcomes:

1. विद्यार्थ्यांमध्येलेखनकौशल्यांचाविकासहोईल.

2. विद्यार्थ्यांनामुद्रितशोधकम्हणूननोकरीचीसंधीनिर्माणहोईल.

3. विद्यार्थ्यांनारोजगारमिळवतायेईल.

4. विद्यार्थ्यांच्यातमुद्रणविषयकज्ञान, तंत्र, परिपूर्णदृष्टीनिर्माणहोईल.

5. विद्यार्थ्यांचेभाषिककौशल्यविकसितहोतील.

6. विद्यार्थ्यांनामराठीभाषेचेसखोलज्ञानमिळेलत्यामुळेलेखनातअचूकतायेईल.

A SKILL DEVELOPMENT COURSE IN SURVEYING

Name of the Department   : - Department of Geography

Course Name   : - A Certificate Course in Surveying

Course Coordinator Name & Contact Number: - Dr. M. D. Kadam 9921450692

Duration   : 3 Months

Course Fee   : Rs-300/-

Eligibility   :- HSC +

Minimum intake Capacity   : - 15

Objectives of the Course:-

1 To introduce the students with the importance of surveying.

2 To provide training in application of survey instruments.

3 To offer practical training in land surveying to the students and make them expert in it.

Learning Outcomes:-

1) After completion of this course students will acquire the skill of making observations and measurements in order to determine the relative position of points on the surface of the earth.

2) Now a day, in order to preparation of plans and maps surveying has got much more importance. This course will helpful to the students in preparation of plans of given areas.

ENGLISH COMMUNICATION SKILLS

Course Name   : A Communication Skills

Name of the Department   : English

Course Co-ordinator Name & Contact number   : Dr. SantoshAbhimanyuKadam

                                                 (Mob. 8956244189)

Duration   : 3 Months

Course Fee   : RS 300/-

Eligibility   : Any Graduate (B.A./B.Com./B.Sc.)

Intake Capacity   : No Limit

Objectives of the Course:

      1. To acquaint students with basics of English grammar along with its phonology.

      2. To acquaint the student with the elements of communication in English.

      3. To make students utilize simple expressions and speech acts for day to day communication in various situations.

      4. To acquaint students with the importance of body language in communication process.

Learning Outcomes: On completion of this course:

      1. Students will be acquainted well with effective communication.

      2. Students will be helpful to develop communication skill for interview for job.

      3. To enable students with the basic grammar for speech and writing.

      4.The participants will achieve success in general communication of day to day life.

<h2 style="color:red; text-align:center">APPLICATION OF MS-EXCEL IN STATISTICS</h2>

Name of the Department   : Department of Statistics
Course name   : Application of MS-Excel in Statistics
Course Coordinator name & Contact number: Dr. Tejaswi S. Kurane
Duration   : 30days
Course fee   : 300/-
Eligibility   : It's suitable for undergraduates, graduates and researchers from any field that uses statistical computing.

Minimum intake Capacity   : 20

Objectives of the Course:

This course aims to provide knowledge about

      *Apply advanced formulas to lay data in readiness for analysis

      * Use advanced techniques for report visualizations

      * Understand various statistical methodologies of summarizingdate

Learning Outcomes: At the end of the course, students should be able to:

      *Import and export data from other applications.
      *Share worbooks with others

*Identify the different components of the Excel worksheet.
* Open an existing workbook and create a new workbook
*Save and print workbooks.
*Enter text and formulas in to an Excel spreadsheet.
* Work with cell references.
* Create a spreadsheet to tabulate and record numeric values .
*Learn to use functions and formulas.
* Create and edit charts and graphics.
*Create, sort, and filter table data *Differentiate between formulas and functions in Excel..
*Save and print workbooks.
*Construct formulas, including the use of built-in functions, and relative and absolute references.
* Create charts and share information.

COMPUTATION OF STATISTICS USING R-SOFTWARE

Name of the Department   : Department of Statistics
Course name   : Computation of Statistics Using R-
Software Course Coordinator name & Contact number: Mr. P. S. Chougule (9822680411, 7083633933) Eligibility   : It's suitable for undergraduates, graduates and researchers from any field that uses statistical computing.
Minimum intake Capacity   : 20
Duration   : 30 days

Objectives of the Course:

This course aims to provide a practical introduction to the R programming language.

1. In this course you will learn how to program in R and how to use R for effective data analysis.

2. This course covers practical issues in statistical computing which includes programming in R, reading data into R, accessing R packages, writing R functions,

3. R code for in statistical data analysis will provide working examples and running summary statistics and visualizations and simulations form various distributions

Learning Outcomes: By the end of the course students you shall be confident and equipped with all the knowledge required to perform analytical activities in R. Specifically,

1. A new way of thinking

2. Download and Install R

3. A new language for speaking and reading (vectors, data frames, functions, objects, etc.

4. A new syntax for writing, e.g. c(), print(), cat(), sort(), require(), subset() for data analysis and presentation.

5. Understand the concepts of objects and assignment

6. Construct tables and figures

7. Load a script file, run lines from it, edit and save the script file.

Syllabus:

1. Fundamentals of R:

    1.1 Introduction to R, features of R, Installation of R, starting and ending R session getting help in R, R commands and case sensitivity.

    1.2 Data types: Logical, numeric and complex

    1.3 Vectors and vector arithmetic a) Creation of vectors using function C, assign, seq, rep b) Arithmetic operation on vectors using operators+, c) Numerical log10,log,sort,max, min, unique,range,length,var, prod,sum,summary,fivenum functions: etc. d) Accesing vectors. e) Alternative ways to create vector by scan function.

    1.4 Data frame: creation using data frame, subset and transform commands

    1.5 Resident data sets: Accession and summary

    1.6 Graphics using R: a) High level plotting functions b) Low level plotting functions c) Interactive graphic functions

    1.7 Using R as calculator The following Statistical Methods using "R"

2. Sampling Methods:

    Drawing sample from a population using SRSWR, SRSWOR Stratified random sampling, Systematic sampling.

3. Diagrams: Simple bar diagram, subdivided bar diagram, multiple bar diagram, Pie diagram, steam and leaf chart.

4. Graphs: Box plot, rod or spike plot, histogram (both equal and unequal class intervals), frequency polygon, ogive curves, empirical distribution function.

5. Measures of central Tendency: Computation of following measures for all types of data. Mean, mode, median, quartiles, Deciles, Percentiles, Geometric mean, Harmonic mean.

6. Measures of dispersion: computation of following measures for all types of data. Range, Quartile Deviation, Variance, Standard Deviation, Coefficient of Variation, Mean Deviation, Mean Squared Deviation.

7. Measures of Skewness and Kurtosis: Bowleys coefficient and Karl Pearson's coefficient of Skewness.

ENTREPRENEURSHIP DEVELOPMENT COURSE

Name of the Course	: Entrepreneurship Development
Department	:Commerce
Co-ordinator Name and contact number	: Smt. PujariSmitaRaosaheb7262984173
Course Fee	: Rs. 300/-
Duration	:3 months
Intake Capacity	: 20

Objective :
1. To Develop awareness about entrepreneurship and entrepreneurs.
2. To Develop an entrepreneurial mind-set & confidence with active involvement in Commerce Carnival organized by commerce department.
3. To impart knowledge on the basics of entrepreneurial skills and competencies.
4. To provide necessary information about inputs for creation of new ventures by

Learning Outcome:
Establishment of Small & Tiny business.
Syllabus: Designed by Commerce Department
      Commerce Carnival
      Entrepreneurship Development Orientation Program
      Three Days Entrepreneurship Training Program
      Preparation of sample Business Plan
      Participation in online National Seminar on Entrepreneurship
      Development: Innovation-Incubation Startup organized by C.S. Shendure College, Hupri

Time Table: On Wednesday, Friday at 11.00 am
Nature of Examination: Theory + Practical (50+50)

YOGA AND MEDITATION COURSE OUTLINE

Department	: Physical Education
Duration	: 3 months (Daily1 hr.), (40 Hours)
Intake capacity of each batch	: 20 No. of batches: 01
Eligibility Criteria	: 10+2 or its equivalent exam.
Course Coordinator	: Mr. Ganesh M. Lawangare will be changed.

Aims of the Course:

• To prepare students physically and mentally sound

• To achieve all-round personality development of students.

* To teach students life skills through Yoga.

Objectives of the Course:

* To train students to acquire techniques to perform yogic postures. *To train students breathing patterns through Pranayamas.

*To teach stress relieving techniques. *To motivate students to adopt physically active lifestyle throughout the life through practicing Yoga regularly.

* To teach students to control their body and mind.

Learning Outcomes:

After successfully completing this course, students will. .

*Know eight paths of Yoga to achieve harmony in body and mind. .

*Aware about effect of yogic exercises on various systems on human body. *Perform and practice yogic postures skillfully.

* Practicing pranayama lung capacity will be increased. Students will handle any stressful situation calmly and their attitude towards life

* Students can control their body and mind.

Syllabus

Course includes theory and practical. More weightage is given to practical. Note: Figures at the right side shows no. of periods per unit

• **Theory**

Unit I: Introduction to Yoga Meaning and Origin of Yoga

.   Meaning and Origin of Yoga

Importance of Yoga in Human life

Eight paths of Yoga (Ashtangamarg of yoga)

Kinds of Yoga, Misconceptions about yoga.

Effect of Yoga on various systems of human body. (Muscular System, skeletal system, nervous system, endocrine system, respiratory system, circulatory system and endocrine system.

Surya namaskar -Benefits of Surya namaskar

Unit II: Yogasanas

Rules of Asanas- Do's and Don'ts

Types of Yogasanas

Asanas in sitting pose, standing pose and lying pose

Frequency, intensity and duration Basics of Yogasana and breathing pattern.

Unit III: Pranayama and ShudhiKriyas

Meaning and types of Pranayamas.

Frequency, intensity and duration

Preparatory phase

Bandhas, mudras and Shuddhikriyas

• **Practical:** (20)
• Preparation before performing Asanas and Pranayama
• Yogasanas: Padmasana, Virasana, vajrasana, Marichyasana, Baddhakonasana, Suptavajrasana, Suptabaddhakonasana, Dandasana, Parshvakonasana, paschimottanasana, Utthitpaschimottanasana, tadasana, Vrukshasana, Garudasana, Shalabhasana, Parvatasana, Trikonasana, UthhitTrikonasana, Ardhachakrasana, Virbhadrasana, Dhanurasana, Noukasana,

Ushtrasana, Halasana, Sarvangasana, Shirshasana, Makarasana, Adhomukhswanasana, Chakrasana, Shavasana, Bhujangasana, Setubandhasana, Padangustasana.

• Suryanamaskar

<p align="center">**MODI SCRIPT**</p>

Name of the Department	: History
Course Name	: MOdilipi
Course Coordinator Name	: Dr.CS.गिरी
Contact Number	: 8805791697
Duration	: 03 Month.
Course Fee	: 300/-
Eligibility	: 12th Pass
Minimum intake Capacity	: 20

Objectives:

1. मोडीलिपीमधीलकागदपत्रेवाचण्याचीआणिसमजण्याचीक्षमताप्राप्तकरूनदेणे.

2. विद्यार्थ्यांच्याभाषिकज्ञानातभरपडेल.

Syllabus:

मोडी लिपी या प्रमाणपत्र कोर्ससाठी तीन महिन्यांचा कालावधी निश्चित   " करण्यात आला आहे. मोडी लिपीच्या अभ्यासक्रमामध्ये महाविद्यालयातील कला , वाणिज्य तसेच महाविद्यालया बाहेरील ज्यांना मोडी लिपी शिकण्याची आवड आहे त्यांनी सहभाग नोंदवतील. अभ्यासक्रमाच्या माध्यमातून दुर्मिळ मोडी कागदपत्रांचे वाचन , लिपीचा सराव करून घेण्यात येईल तसेच या कोर्सचा अभ्यासक्रम ही तयार करण्यात आला आहे. या अभ्यासक्रमाची विभागणी पुढील प्रकरणांमध्ये आली आहे

- मोडीलिपीचेसंकल्पनावस्वरूप
- मोडी लिपीचे महत्त्व व नोकरीच्या संधी
- मोडी लिपीची वर्णमाला व बाराखडी
- मोडी लिपीची साबड आणि वाक्य रचना
- वरील घटकांवर आधारित सेमिनार परिसंवाद अंतर्गत चाचणी परीक्षा घेणे

अनुवादसिद्धांतऔरप्रयोग

कोर्सकानाम.   - अनुवादसिद्धांतऔरप्रयोग

विभाग   - हिंदी

को-आर्डीनेटरनाम   - डॉ. पाटीलआर.सी (9307144065)

कालावधी   - 3 माह

कोर्सफी   - 300/-

पात्रता   - 12 वीपास

प्रवेशक्षमता   - 10

पाठ्यक्रम

इकाई 1- अनुवाद : सैद्धांतिक पक्ष

>   1. अनुवाद की परिभाषा

>   2. अनुवाद का स्वरूप

 इकाई 2 - अनुवाद : सैद्धांतिक पक्ष

>   1. अनुवाद की उपयोगिता

>   2. अनुवादक के गुण इकाई

इकाई 3 - अनुवाद : प्रात्यक्षिक पक्ष

>   1. समाचार का अनुवाद

>   2. विज्ञापन का अनुवाद

 इकाई 4 - अनुवाद : प्रात्यक्षिक पक्ष

>   1. अंग्रेजी से हिंदी में अनुवाद

>   2. हिंदी से अंग्रेजी में अनुवाद

CERTIFICATE COURSE ON BASIC COMPUTER

Basic Computer Course

Introduction to Computer System

Introduction, Definition, Characteristics and Block diagram of Computer.

Limitation and advantages of computer. Types of computers: Mini Computer, Micro Tablet

Introduction of Hardware Computer, Mainframe and Super Computers, Laptop and

Input Devices: Keyboard, Scanner, OCR, MICR

Output Devices:

Printer and its types, Plotter, Monitor- LCD, LED and OLED Displays. Pointing Devices:

Mouse, Joystick, Touch Screen.

Definition of Software.

☐Types of Software:

System Software and Application Software.

Microsoft Office Microsoft Word ,MicrosoftExcel,MicrosoftPowerPoint,WordPad/Notepad

Internet Introduction to Internet

☐ History of Internet•

Internet Protocol(SMTP,POP,IMAP)

Introduction to different Web browsers •Concept of Email, component of email• Working with email (Compose e-mail, Send e-mail, File attachment, • Uploading & downloading.)

<p style="color:red; text-align:center">CERTIFICATE COURSE IN VERMITECHNOLOGY</p>

Name of the Department   : Zoology

Course name   : "Certificate Course InVermitechnology

Course Coordinator name & Contact number: Smit.D.A.Malvekar (9067197523)

Duration   : 03 months

Course Fee   : 400-

Eligibility   :12 Passed student

Minimum intake Capacity   : 20

Objectives of the Course:

1. To build an interest about Vermicompost, Vermiwash&Vermiculture among the students

2. To build entrepreneurship skills among the students

3. To encourage students about culture & management of Earthworms

4. To encourage the students for organic farming with the help of vermitechnology.

5. To aware the students about diseases and pests of Earthworm.

Learning Outcomes:

1. Students can construct their own compost in farm & can get monthly income.

2. Students/ farmers by using vermicompost can increase the

 3. Students can produce vermicompost on small scale for garden/household plants.

4. The candidate can generate income by supplying vermiculture, vermiwash, &vermicompost.

5.He/she will directly or indirectly help to reduce environmental pollution.

Syllabus

Sr No.	Particular	Periods
1.	Unit. 1 : Introduction	07
	1.1 Vermicomposting: Introduction and Scope, History, their value in maintenance of soil structure, role as four r's of recycling: reduce, reuse, recycle, restore. 1.2 Types of Earthworm and Classification Epigeic, Endogeic, Diageic species. Useful species of earthworms. 1.3 Life history of Earthworms (Earthworm Species: Eiseniafoetida/Eudrilluseuginae) 1.4 Objectives of Vermicompost.	
2.	Unit 2 :	06
	2.2 Methods of Vermicomposting: Small and large scale Bed method, Pit 2.3 Vermicompost Production: Establishment of Vermicomposting and Vermiwash unit 2.4 Pests and diseases of Earthworms	
3.	Unit 3 :	06
	3.1 Management of vermicompost bed 3.2 Harvesting the Compost &Vermiwash 3.3 Storage and packaging of vermicompost 3.4 Physico-chemical analysis of vermicompost	
4.	Unit 4:	06
	4.1 Components of vermicompost and their role in agriculture 4.2 Importance and use of vermicompost 4.3 Importance & use of vermiwash 4.4 Marketing & awareness for farmers by organising farmers meet	

Practicals:

      1.Classification of Earthworm

      2.Study of external morphology of Earthworm- Eiseniafoetida

      3.Study of habit and habitat of Earthworm- Eiseniafoetida

4.Study of Digestive system of earthworm

5.Study of Reproductive system of earthworm

6.Study of cocoon and juvenile stages of earthworm.

7. Study of Pests and diseases of Earthworm

8.Establishment of vermicomposting unit: Pit method

9.Establishment of vermicomposting unit: Bed method

CERTIFICATE COURSE IN FASHION DESINING

Name of the Department : Department of Economics

Courses name : Certificates Course in fashion Designing

Course Coordinator name : Dr. B. S. Puntambekar

Contact number : 7350750361

Duration : 3 Months

Course fee : 300

Eligibility: 12th pass Students registered in Shivaji university for degree Course for any discipline.

Minimum intake capacity : 20

Objectives:

1. To learn the basic Fashion

2. To introduce students the techniques of sketching and its perspectives

3. To understand the fashion business.

4. To, introduce essential tools for practicing as a designer.

5. To introduce students to garment making.

Learning outcomes:

1. Students will develop practical skills in Cutting, drawing sketching and Stitching.

2. Students will be able to construct tailored garments.

3. Students will be able to the self-earning and financial support to their family.

4. Students will be able to develop new knowledge and ideas in fashion design construction.

Examination Pattern: Theory Paper of 50 Marks Practical paper of 50 Marks

Syllabus

The course aims to provide fashion designers a clear perspective on creativity and its application in innovative fashion design. The curriculum presents fashion design as a fun, invigorating, topical and rewarding art. It introduces techniques for students to get new, fresh and original design ideas.

PAPER I
TECHNICAL KNOWLEDGE OF TOOLS AND SKETCHING
Unit 1- Identification of Tools &Equipments:

Introduction to sewing machine & its components Basic part and attachment and Their applications. Defects and remedies, Needles and threats, Practice of sewing and practical exercises on sewing.

Unit II-Tools and Techniques:

Measuring tools and Techniques, Cutting tools and Techniques, pressing tools and Techniques.

Unit III Sketching of Necklines:

Collars, Sleeves, Yokes, Gathers, Plates, Bows and ties, caps and hats, pockets, belts, draping of dress forms-long dresses basic bodices, basic skirts 10Marks

Unit IV-Introduction To Hand and Machine Stitching:

Introduction to decorative stitches-flat stitches, looped, stitches knotted stitches, crossed stitches Introduction To Seams &Seam Finishes 10Marks

PAPER II
PRACTICAL IN MAKING GARMENTS
1 Introducing fullness Cuttings Techniques:

1. Sample making of Darts, Pleats, Tucks, Gathers and Goats,

2. Sample making of Plackets & openings: Pocket facing, Binding. Sample makings of Sleeves Sleeves-Plain, regular, puff, bishop, petal, circular, batwing, and kimond

4. Sample making of Necklines finishes and hems. 20Marks

Cutting Stitching and finishing of Basic: handkerchief. Kidds blankets, bags, kids pattern-Drypers, Zabala-topi, skirts, petticoats, night suits 10Marks

Cutting Stitching and finishing of ladies salwarchudidar, Patiala salwar with various styles of necks& sleeves, 10marks

Cutting, Stitching and finishing of: Saree-blouse, frocks, Ghagaracholi, Chaniyacholi with various styles of necks& sleeves. 10Marks

INTRODUCTION TO C-PROGRAMMING LANGUAGE

Objectives

Students will be able to

1) learns basic concepts in Mathematics and also geometrical figures & Graphical displays

2) perform Mathematical operations using C language

3) use loop structure & while, do-while loops etc in C programme

4) test whether a number is prime or not by using C programme.

Course Outcomes

After completion of the units, Student is able to

1) Know history, identifiers, key words

2) learn data types and character types

3) do simple C programmes by using if-else statement

4) use input and output statements effectively while constructing

5) use loop structure & while, do-while loops etc in C programme.

6) writeprogramme to find factorial and series sum problem. programmes.

7) test whether a number is prime or not by using C programmes

Syllabus

Unit 1: C-Introduction, History, Identifiers, Keywords, constants, (091) operations. Data types, Integer, real, character types.

Unit 2: Input/output statements, C program structure, simple C programs Control Structures (description), if. If-else statements, simple illustrative C-programs.

Unit 3: Loop Structure (1) for loop, figures, factorial, series sum problems, Fibonacci sequence. Loop Structure (II): while, do-while loops, expix), cos(x), sinx) by series, sum and) comparison using C language.

Unit 4: Function values, Break, Continue, Go to, switch statements, Illustrative C programs, testing a number to be prime not prime. (111)