RajarshiChhatrapatiShahu College, Kolhapur

Skill Based Courses/ Short Term Courses

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.

APPLICATION OF MS-EXCEL IN STATISTICS

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 summarizing date

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.

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

FASHION DESINING

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

      3.Sleeves-Plain, regular, puff, bishop, petal, circular, batwing, and kimond

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

2.Cutting Stitching and finishing of Basic:

      1.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

3.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)