



RAYATSHIKSHANSANSTHA'S
RAJARSHICHHATRAPATISHAHU COLLEGE, KOLHAPUR

Skill Based Courses/ Short Term Courses

Syllabus

ENGLISH COMMUNICATION SKILLS

Syllabus

Module No. I

1. Phonology
2. Morphology
3. Interpersonal Communication
4. Body Language: It's Importance in Communication

Module No. II

Oral Communication:-

1. Self-Introduction
2. Narration
3. Describing (Things Events Scenes)
4. Group Discussion
5. Interview Skills
6. Public Speaking

Module No. III

Written Communication:-

1. Letter Writing
2. Report Writing
3. Technical Notes

- 4. News Writing
- 5. Resume/C.V

APPLICATION OF MS-EXCEL IN STATISTICS

Syllabus

- *Import and export data from other applications.
- *Share workbooks 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

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) Accessing 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

Syllabus

CERTIFICATE COURSE IN FASHION DESIGNING

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 threads, 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 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

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 (I) 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)