RayatShikshanSanstha's

RajarshiChhatrapatiShahu College, Kolhapur

Skill Based Courses/ Short Term Courses

Syllabus

मराठी आणि हिंदी कवितांचे आस्वादन

(शॉर्ट टर्म कोर्सची उद्दिष्टे शैक्षणिक वर्ष २०१७-१८ मध्ये मराठी विभागामार्फत सुरु करण्यात आलेल्या'मराठी आणि हिंदी कवितांचे आस्वादन' या शॉर्ट टर्म कोर्सची उद्दिष्टे पुढीलप्रमाणे आहेत.

१. मराठी भाषेविषयी ज्ञानात अधिक भर पडेल.

२. विद्यार्थी मराठी साहित्याविषयी सजग होतील.

३. विद्यार्थ्यांना कविता आस्वादनाची गोडी निर्माण लागेल.

४. विद्यार्थ्यांमध्ये काव्य साहित्यप्रकार समजून येईल.

५. विद्यार्थ्यांना काव्य आस्वादन संकल्पना स्पष्ट होईल.

६. विद्यार्थ्यांना मराठी आणि हिंदी काव्य आस्वादनातील फरक लक्षात येईल.

७. विद्यार्थ्यांमध्ये संशोधक वृत्ती वाढीस लागेल.

८. संशोधन दृष्टीकोनातून विद्यार्थी कवितेचा अभ्यास करतील.

९. विद्यार्थ्यांमध्ये इतर भाषेतील कवितेविषयी उत्सुकता निर्माण होईल.

१०. एकंदरीत कवितेच्या अनुशंगाने वियार्थ्यांध्ये साहित्य आस्वादनाची रुजवणूक होईल.

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.

INDIAN RECIPE

Tople-1: Basics of Cooking And Hygiene

 1. Common cooking appliances

2. Understanding recipe vocabulary

 3. Basic kitchen terms

4. Safety & Hygiene in Kitchen.

5. Equipment Maintenance And Menu Knowledge 6. Sanitation

 Topic-2: Nutrition

1. Grains & Beans - Nutritive Value

2. Greens & Oils Nutritive Value

 3. Protein Sources & Meat

 4. Plant Based Protein

5. Sources of Animal Product.

Topic-3: MaharashtrianRecipies

1 KajuKothimbirVadi-Ingredients,Recipe, Nutritive value, Time Required.

 2. MaharashtrianPitla (Zunka)

3. Pavbhaji

4. BhareliVangi

 5. VarhadiTheeha

6. MisalPav

 7. Chicken/Mutton Kolhapuri 8. Tambada -PandharaRassa

FLOWER ARRANGEMENT IKEBANA

Unit-1: Introduction to Floral Design. An Introduction to the principles of design applied to floral arrangements, including color, forms and lines, balance, types of floral arrangements, floral materials and accessories, and production techniques. Unit-II: Post Harvest Care of Cut Flowers

 Unit III: Business Management and Careers in the Floral Industry

PRACTICAL:

1.Various materials and accessories used in basic floral design.

2. Techniques of producing basic floral designs.

Nursery Management Technique

Unit-1: Propagation- Importance and potentialities, Sexual and asexual methods of propagation, Advantages and disadvantages of propagation.

Unit-li: Methods of vegetative propagation: Cutting, budding, layering and grafting techniques. Preparation of nursery bed, orchard layout, system of crop planting, pot mixture and making.

Unit- III: Problems of horticulture crops, Factors influencing rooting of cutting, layering and grafting. Use of growth regulators in propagation, media for propagation of plants In

Practical :
1. Preparation of different types of cuttings, budding, layering and grafting.
2. Uprooting, digging, labelling and packing of nursery plant.

Women Health and Hygiene

1. Understanding the women hood

2. Anatomy and Physiology of women body

3. Adolescent age- Psychological and Physiological changes in adolescence. Heath and nutrition of Adolescence girls, Problems of adolescence, Pubertal changes, Genital problems, Precaution and Prevention

4. Hygiene related to genital problems ATRAPALL CHHAT RSHI CH KOLHAPUR

5. Menstruation Cycle, Normal Cycle, Abnormal Cycle, Emergencies

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