

V. S. M. COLLEGE (A): RAMACHANDRAPURAM

BCA -COURSE OUTCOMES

ELEMENTARY MATHEMATICS

- CO-1:** Understand the concepts & advance topics with problem solving techniques related to matrix.
- CO-2:** Reason from definitions to construct mathematical proofs with defines and relates basic notions in graph theory.
- CO-3:** Analyses and evaluate the accuracy of common numerical methods.
- CO-4:** Identify the suitable computational technique for a specific type of problems.

STATISTICAL METHODS AND THEIR APPLICATIONS

- CO-1:** How to calculate and apply measures of location and measures of dispersion grouped and ungrouped data cases. How to apply discrete and continuous probability distributions to various business problems.
- CO-2:** Perform Test of Hypothesis as well as calculate confidence interval for a population parameter for single sample and two sample cases. Understand the concept of p-values.
- CO-3:** Learn non-parametric test such as the Chi-Square test for Independence as well as Goodness of Fit. Compute and interpret the results of Bivariate and Multivariate Regression and Correlation Analysis, for forecasting and also perform ANOVA and F-test
- CO-4:** Further, understand both the meaning and applicability of a dummy variable and the assumptions which underline a regression model. Be able to perform a multiple regression using computer software

COMPUTER FUNDAMENTALS & PHOTOSHOP

- CO1:** To gain the basic knowledge and skills about computers and Photoshop.
- CO1:** To learn the concepts about Adobe Photoshop applications and how they work ,edit using retouching tools, learning about menus.
- CO1:** To explore our knowledge about images and different tools.
- CO4:** To apply the knowledge in layers and filters to improve images.

PHOTOSHOP LAB

- CO1:** By using Photoshop create passport size photos, design visiting cards.
- CO2:** To explore knowledge to designing Broachers, pamphlets, webtemplates and wedding album designing.
- CO3:** To learn about Texture and patterns designing.
- CO4:** Understand the topics of Filter effects and eraser effects.

PROGRAMMING USING 'C'

CO1: To Understand about the Algorithms and programming languages..

CO2: Illustrate the flowchart and design an algorithm for a given problem.

CO3: Use the concepts of Structures, Unions and Functions.

CO4: To be able to develop c programs.

PROGRAMMING USING 'C' LAB

CO1: To Understand about the Algorithms and programming languages.

CO2: Write programs that perform about functions, structures and Unions.

CO3: Implement programs with Files.

CO4: Implement programs for calculating expressions.

MS-OFFICE LAB

CO1: Prepare tables by using text formatting, create mail merge, using Mathematical Equation editor solve mathematical problems in ms word..

CO2: Create a short film with animation and sound effects in PowerPoint.

CO3: To know about different types of charts and functions in Excel.

CO4: Prepare worksheets for student details.

INFORMATION AND COMMUNICATION TECHNOLOGY-I

CO1: Understand the computer basics.

CO2: Understand the use of Microsoft office programs to create documents.

CO3: By using Microsoft office how to create personal and academic documents by following standards.

CO4: Applying the skills & concepts of basic use of Microsoft office in work place.

OPERATING SYSTEMS

CO1: Analyze the concepts of processes in operating system and operating system architecture, operations and Evolution of operating systems.

CO2: Understand the topics of process and CPU scheduling.

CO3: Analyze the memory management techniques, concepts of virtual memory and disk scheduling.

CO4: Understand and implementation of the files and Deadlock situations.

OPERATING SYSTEMS LAB

CO1: Implement process scheduling algorithms.

CO2: Using memory management schemes implement programs

CO3: To know about the file allocation techniques and page replacement algorithms.

CO4: Implement disk scanning algorithms and deadlock situations.

OBJECT ORIENTED PROGRAMMING USING 'C++'

CO1: Understand concepts of objects and classes Investigate software problem in terms of objects and entities

CO2: To know about Constructors and Destructors.

CO3: To explore knowledge about templates, Inheritance, overloading.

CO4: Implement Files and Expectation handling.

OBJECT ORIENTED PROGRAMMING USING 'C++' LAB

CO1: Implement knowledge by using classes.

CO2: Implement programs by using Abstract data types.

CO3: To know about polymorphism, overloading.

CO4: Solve mathematical problems by using cpp programs.

ADOBE IN DESIGN LAB

CO1: Resume designing; Paragraph setting Text column wise designing, Text base paper adds.

CO2: To implement knowledge in Create College Logo, abele creation and Student marks list.

CO3: Preparing document with Picture insertion and Application form.

CO4: Implement Text based Visiting card and Notice designing.

ADOBE IN DESIGN

CO1 Exploring the user interface of in design the application bar the menu bar.

CO2 Page creation and working with type, working with graphics and formatting objects.

CO3: Working with color, points and paths.

CO4: To know about styles and layers.