

GOVERNMENT DEGREE COLLEGE FOR WOMEN, MADANAPALLE

ANNAMAYYA DISTRICT, ANDHRAPRADESH – 517325

AFFILIATED TO SV UNIVERSITY, TIRUPATI

NAAC ACCREDITED 'B' GRADE

DEPARTMENT OF COMPUTER SCIENCE

COURSE OUTCOMES

S.NO	SEMESTER	COURSE TITLE	OUTCOMES After successful completion of this course students will be able to
1	I	Problem Solving in C	<ol style="list-style-type: none">1. Understand the evolution and functionality of a Digital Computer.2. Apply logical skills to analyse a given problem3. Develop an algorithm for solving a given problem.4. Understand „C“ language constructs like Iterative statements, Array processing, Pointers, etc.5. Apply „C“ language constructs to the algorithms to write a „C“ language program.
2	II	Data Structures using C	<ol style="list-style-type: none">1. Understand available Data Structures for data storage and processing.2. Comprehend Data Structure and their real-time applications - Stack, Queue, Linked List, Trees and Graph3. Choose a suitable Data Structures for an application4. Develop ability to implement different Sorting and Search methods5. Have knowledge on Data Structures basic operations like insert, delete, search, update and traversal6. Design and develop programs using various data structures7. Implement the applications of algorithms for sorting, pattern matching etc
3	III	Data Base Management System	<ol style="list-style-type: none">1. Gain knowledge of Database and DBMS.2. Understand the fundamental concepts of DBMS with special emphasis on relational data model.3. Demonstrate an understanding of normalization theory and apply such knowledge to the normalization of a database4. Model database using ER Diagrams and design database schemas based on the model.5. Create a small database using SQL.6. Store, Retrieve data in database.

4	IV	Object Oriented Programming using Java	<ol style="list-style-type: none"> 1. Understand the benefits of a well-structured program 2. Understand different computer programming paradigms 3. Understand underlying principles of Object-Oriented Programming in Java 4. Develop problem-solving and programming skills using OOP concepts 5. Develop the ability to solve real-world problems through software development in high-level programming language like Java
5	IV	Operating Systems	<ol style="list-style-type: none"> 1. Know Computer system resources and the role of operating system in resource management with algorithms 2. Understand Operating System Architectural design and its services. 3. Gain knowledge of various types of operating systems including Unix and Android. 4. Understand various process management concepts including scheduling, synchronization, and deadlocks. 5. Have a basic knowledge about multithreading. 6. Comprehend different approaches for memory management. 7. Understand and identify potential threats to operating systems and the security features design to guard against them. 8. Specify objectives of modern operating systems and describe how operating systems have evolved over time. 9. Describe the functions of a contemporary operating system
6	V	Web Interface Designing Technologies	<ol style="list-style-type: none"> 1. Understand and appreciate the web architecture and services. 2. Gain knowledge about various components of a website. 3. Demonstrate skills regarding creation of a static website and an interface to dynamic website. 4. Learn how to install word press and gain the knowledge of installing various plugins to use in their websites.
7	V	Web Applications Development using PHP& MYSQL	<ol style="list-style-type: none"> 1. Write simple programs in PHP. 2. Understand how to use regular expressions, handle exceptions, and validate data using PHP. 3. Apply In-Built functions and Create User defined functions in PHP programming. 4. Write PHP scripts to handle HTML forms. 5. Write programs to create dynamic and interactive web based applications using PHP and MYSQL. 6. Know how to use PHP with a MYSQL database and can write database driven web pages.