VSR GOVERNMENT DEGREE AND PG COLLEGE MOVVA

DEPARTMENT OF COMPUTER SCIENCE

	I SEMESTER
	Problem Solving through C
CO1	Understand the evolution and functionality of Digital Computer
CO2	Apply logical skills to analyse a given problem
CO3	Develop an algorithm for solving a given problem
CO4	Understand 'C' language constructs like Iterative statements, Array processing, Pointers, etc.
CO5	Apply 'C' language constructs to the algorithms towrite a 'C' language program.
	II SEMESTER
	Data Structures using C
CO1	Understand available Data Structures for data storage and processing.
CO2	ComprehendData Structure and their real-time applications - Stack, Queue, Linked List, Trees and Graph
CO3	Choose a suitable Data Structures for an application
CO4	Develop ability to implement different Sorting and Search methods
CO5	Have knowledge onData Structures basic operations like insert, delete, search,update and traversal
	III SEMESTER
	Database Management System
CO1	Gain knowledge of Database and DBMS
CO2	Understand the fundamental concepts of DBMS with special emphasis on relational data model.
CO3	Demonstrate an understanding of normalization theory and apply such knowledge to the normalization of a database
CO4	Model databaseusing ER Diagrams and design database schemas based on the model.
CO5	Create a small database using SQL.
	IV SEMESTER
	Object Orientated Programming Therough Java
CO1	Understand the benefits of a well-structured program
CO2	Understand different computer programming paradigms
CO3	Understand underlying principles of Object-Oriented Programming in Java
CO4	Develop problem-solving and programming skills using OOP concepts
CO5	Develop the ability to solve real-world problems through software development in high-level programming language like Java
	Operating System
CO1	Know Computer system resources and the role of operating system in resource management with algorithms

CO2	Understand Operating System Architectural design and its services.
CO3	Gain knowledge of various types of operating systems including Unix and Android
CO4	Understand various process management concepts including scheduling, synchronization, and deadlocks.
CO5	Have a basic knowledge about multithreading.
	VI SEMESTER
	Web Interface Designing Technologies
CO1	Create a basic website with the help of HTML and CSS.
CO2	Acquire the skill of installing word press and various plugins of Word press.
CO3	Create a static website with the help of Word press
CO4	Create an interface for a dynamic website.
CO5	Apply various themes for their websites using Word press.
	Web Applications Development using PHP & MYSQL
CO1	Write simple programs in PHP.
CO2	Understand how to use regular expressions, handle exceptions, and validate data using PHP.
CO3	Apply In-Built functions and Create User defined functions in PHP programming.
CO4	Write PHP scripts to handle HTML forms.
CO5	Write programs to create dynamic and interactive web based applications using PHP and MYSQL.