



SESHADRIPURAM FIRST GRADE COLLEGE

Permanently Affiliated to Bengaluru Central University,

Recognised by Government of Karnataka & Recognised under Section 2f & 12B of the UGC Act. 1956.

COURSE OUTCOMES OF B.Sc Computer Science

Paper Code	Course Title	Sem ester	CO	Course Outcome
CS1T	Programming concept using C	I Sem	CO1	It gives students ability to define and manage data structures based on problem subject domain.
			CO2	To be able to develop C programs on Linux platform
			CO3	Enhance skill on problem solving by constructing algorithms
			CO4	Identify solution to a problem and apply control structures and user defined functions for solving the problem
			CO5	Demonstrate the use of Strings and string handling functions and apply skill of identifying appropriate programming constructs for problem solving
CS2T	Data Structures	II Sem	CO1	Design correct programs to solve problems.
			CO2	Choose efficient data structures and apply them to solve problems.
			CO3	Analyze the efficiency of programs based on time complexity.
			CO4	Prove the correctness of a program using loop invariants, pre-conditions and post-conditions in programs.
			CO5	Demonstrate the different sorting, searching techniques and understood various file organizations
CS3T	Data Base Management System and	III Sem	CO1	Understanding of basic concepts of DBMS, its structure, relational data model, entity-relationship model, relational database design.



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	Software Engineering		CO2	Understanding of basic concepts Normalization and implementation Relation algebra and its operation
			CO3	Master the basics of SQL and construct queries using SQL. And PL /SQL commands.
			CO4	How to apply the software engineering lifecycle by demonstrating competence in communication, planning, analysis, design, construction, and deployment.
			CO5	Demonstrate an understanding of and apply current theories, models, and techniques that provide a basis for the software lifecycle
CS4T	OPERATING SYSTEM and UNIX	IV Sem	CO1	Identify the role of Operating System. To understand the design of control unit.
			CO2	Understanding CPU Scheduling, Synchronization, Deadlock Handling and Comparing CPU Scheduling Algorithms.
			CO3	Describe the role of paging, segmentation and virtual memory in operating systems.
			CO4	Students will be able to run various UNIX commands on a standard UNIX/LINUX Operating system
			CO5	Students will be able to construct various shell scripts for simple applications in UNIX OS.
CS5T1	Visual Programming	V Sem	CO1	Understand Visual Basic applications.
			CO2	Helps to create software interface and codes in an easy to use graphical environment.
			CO3	Helps to develop windows based applications rapidly.
			CO4	It helps greatly in accessing databases, using ADO, DAO and also letting students use various Active X controls and objects.



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			OC5	To understand programming using Windows API.
CS5T2	Java Programming	V Sem	CO1	Use an integrated development environment to write, compile, run, and test simple Object-oriented Java programs.
			CO2	Read and make elementary modifications to Java programs that solve real-world problems.
			CO3	Validate input in a Java program.
			CO4	Identify and fix defects and common security issues in code.
			CO5	Understand the details of Applet Programming, Graphics Programming, Input /Output
CS6T1	WEB Programming	VI Sem	CO 1	Understand the details of Fundamentals of web and Identify in depth HTML and XHTML.
			CO 2	Specify the classification and characteristics of Java Script.
			CO 3	Deliberate the details of Java Script and HTML documents.
			CO 4	Deliberate in details with examples Dynamic documents with Java Script.
			CO5	Learn in details with examples about CSS and XML
CS6T2	Computer Networks	VI Sem	CO1	Learn in depth Introduction to computer networks, Transmission media, long distance communication.
			CO2	Understand the characteristics of Packets, frames and error detection, hardware identification.
			CO3	Understand in details with application, if applicable, Extending LANs, WAN technology and routing.
			CO4	
			CO5	Introduction of various application layer protocols and IP datagram.