

S.K.B.R.COLLEGE-AMALAPURAM
DEPARTMENT OF COMPUR SCIENCE
COURSE OUTCOMES

SEMESTER – I COMPUTER FUNDAMENTALS AND PHOTOSHOP

- CO1:** Explain the basic knowledge of computer hardware and software.
- CO2:** Practice and work on Adobe Photoshop Applications.
- CO3:** Create and edit photo albums.
- CO4:** Design and edit Banners and visiting cards etc.

SEMESTER – II PROGRAMING IN C

- CO1:** Demonstrate the working of a digital computer.
- CO2:** Analyze a given problem and develop an algorithm to solve the problem.
- CO3:** Apply the 'C' language constructs in the right way.
- CO4:** Design, develop and test programs written in 'C'.

PROGRAMING IN 'C' –LAB

- CO1:** Develop problem solving, logic development techniques.
- CO2:** Construct flowcharts/ develop algorithms for the given problems.
- CO3:** Develop programs in 'C' language.
- CO4:** Correlate the program with possible solutions. **CO5:** Test the program manually with some test data. **CO6:** Evaluate the program by executing it.

SEMESTER – III OBJECT ORIENTED PROGRAMMING USING JAVA

- CO1:** Explain the concept and underlying principles of Object-Oriented Programming.
- CO2:** Demonstrate how Object-Oriented concepts are incorporated into the Java Programming language.
- CO3:** Develop problem-solving and programming skills using OOP concept.
- CO4:** Develop programming skills in the Java language.

OBJECT ORIENTED PROGRAMMING USING JAVA LAB

- CO1:** Develop problem solving, logic development techniques.
- CO2:** Construct flowcharts/develop algorithms for the given problems.
- CO3:** Develop programs in Java.
- CO4:** Correlate the program with possible solutions.
- CO5:** Test the program manually with some test data.
- CO6:** Evaluate the program by executing it.

SEMESTER – IV DATA STRUCTURES

- CO1:** Explain how arrays, records, linked structures, stacks, queues, trees, and graphs are represented in memory and its applications.
- CO2:** Develop programs that use arrays, records, linked structures, stacks, queues, trees, and graphs.
- CO3:** Compare and contrast the benefits of dynamic and static data structures implementations.
- CO4:** Describe the concept of recursion, give examples of its use, describe how it can be implemented using a stack.
- CO5:** Discuss the computational efficiency of the principal algorithms for sorting, searching and hashing.

DATA STRUCTURES USING JAVA LAB

- CO1:** Develop problem solving, logic development techniques.
- CO2:** Develop programs in Data Structures using Java.
- CO3:** Correlate the program with possible solutions.
- CO4:** Test the program manually with some test data.
- CO5:** Evaluate the program by executing it.

SEMESTER – V DATABASE MANAGEMENT SYSTEMS

- CO1:** Determine database structure and its design.
- CO2:** Explain different data models used for database design.
- CO3:** Correlate database transactions and data recovery.
- CO4:** Employ DML, DDL, DCL commands to manipulate data in the database.

DBMS LAB

- CO1:** Determine database structure and its design.
- CO2:** Explain different data models used for database design.
- CO3:** Correlate database transactions and data recovery.
- CO4:** Employ DML, DDL, DCL commands to manipulate data in the database.

SEMESTER – VI(ELECTIVE- I C) WEB-TECHNOLOGIES

- CO1:** Demonstrate the web architecture and web services.
- CO2:** Practice latest web technologies and tools by conducting experiments.
- CO3:** Design interactive web pages using HTML and style sheets.
- CO4:** Determine the framework and building blocks of .NET Integrated Development Environment.
- CO5:** Prepare solutions by identifying and formulating IT related problems.

WEB-TECHNOLOGIES LAB

- CO1:** Create forms using HTML.
- CO2:** Create Files using HTML
- CO3:** Create Style sheets using HTML
- CO4:** Create tables using HTML.
- CO5:** Create Web pages using HTML

SEMESTER – VI(ELECTIVE-II) B1 DISTRIBUTED SYSTEMS

- CO1:** Create models for distributed systems.
- CO2:** Apply different techniques learned in the distributed system.
- CO3:** Develop the concepts of Inter-process communication.
- CO4:** Develop the concepts of Distributed Mutual Exclusion and Distributed Deadlock Detection algorithm.

SEMESTER – VI(ELECTIVE-II) B2 CLOUD COMPUTING

- CO1:** Compare the strengths and limitations of cloud computing.
- CO2:** Illustrate the architecture, infrastructure and delivery models of cloud computing.
- CO3:** Apply suitable virtualization concept.
- CO4:** Devise the appropriate cloud player, Programming Models and approach.
- CO5:** Correlate the core issues of cloud computing such as security, privacy and interoperability.
- CO6:** Design Cloud Services and Set a private cloud.

PROJECT SEM-VI

- CO1:** Develop programming language concepts, particularly Java and Object-oriented concepts.
- CO2:** Plan, analyze, design and implement a software project or gather knowledge over the field of research and design or plan about the proposed work.
- CO3:** Demonstrate the ability to locate and use technical information from multiple sources.
- CO4:** Demonstrate the ability to communicate effectively in speech and writing.
- CO5:** Organise to work as a team and focus on getting a working project done on time with each student being held accountable for their part of the project.
- CO6:** Demonstrate software development cycle with emphasis on different processes – requirements, design and implementation phases.