

COURSE OUTCOMES OF COMPUTER SCIENCE DEPARTMENT

Semester I

Group: MPCs

Subject: Programming with C

CO1: The focus of the subject is to develop C program.

CO2: Control the Sequence of the program and give logical outputs.

CO3: Implement strings in C program.

CO4: Store different data types in the same memory.

CO5: Manage I/O operations in c program, repeat the sequence of instructions and points for a memory location.

CO6: Understand the basic file handling mechanisms.

Group: B. Com (CA)

Subject: Fundamentals of Information Technology

CO1: The focus of the subject is on introducing skills relating to IT basics, computer applications, interactive medias, Internet basics etc.

CO2: Have a basic understanding of personal computers and their operations.

CO3: Understand basic concepts and terminology of Binary Number System and its Conversions.

CO4: Basic understanding of Secondary Storage Devices.

CO5: Have a basic knowledge about software and its types, operating system and its types.

CO6: Understanding the basic concepts of Computer Networks.

Semester II

Group: MPCs

Subject: Programming with CPP

CO1: Describe Oops Concepts.

CO2: Use functions and pointers in CPP program.

CO3: Understand tokens, Expressions and control structures.

CO4: Explain arrays and strings and create programs using them.

CO5: Describe the use of constructors and destructors.

CO6: Demonstrate how to control errors with exception handling.

CO1: The focus of the subject is to develop C program.

CO2: Control the Sequence of the program and give logical outputs.

CO3: Implement functions, strings and Math handling functions in C program.

CO4: Discuss about Structures, unions and pointers.

CO5: Describe basic concepts of OOps Concepts.

Semester III

CO1: Choose appropriate data structures to represent data items in real world problems.

CO2: Analyze the time and space complexities of algorithms

CO3: Design programs using a variety of data structures such as stacks, queues, hash tables, binary trees, search trees, heaps, graphs, and B-trees.

CO4: Analyze and implement various kinds of searching and sorting techniques.

CO5: Write the C++ code for a given algorithm.

CO6: Implement Programs with pointers and arrays, perform pointer arithmetic, and use the pre-processor.

CO1: Understand database concepts and structures and query language.

CO2: Understand the E R model and relational model.

CO3: To design and build a simple database system and demonstrate competence with the fundamental tasks

CO4: involved with modeling, designing, and implementing a DBMS.

CO5: Understand Functional Dependency and Decomposition.

CO6: Apply various Normalization techniques.

CO7: Perform PL/SQL programming using concept of Cursor Management, Error Handling, Package and Triggers.

CO8: Execute various advance SQL queries related to Transaction Processing & Locking using concept of Concurrency control.

CO9: Understand query processing and techniques involved in query optimization.

CO10: Understand the principles of storage structure and recovery management

Semester IV

Group: MPCs

Subject: Database Management Systems

CO1: Understand database concepts and structures and query language.

CO2: Understand the E R model and relational model.

CO3: To design and build a simple database system and demonstrate competence with the fundamental tasks

CO4: involved with modeling, designing, and implementing a DBMS.

CO5: Understand Functional Dependency and Decomposition.

CO6: Apply various Normalization techniques.

CO7: Perform PL/SQL programming using concept of Cursor Management, Error Handling, Package and Triggers

CO8: Execute various advance SQL queries related to Transaction Processing & Locking using concept of Concurrency control.

CO9: Understand query processing and techniques involved in query optimization.

CO10: Understand the principles of storage structure and recovery management

Group: B. Com (CA)

Subject: Web Technologies

CO1: Explain the history of the internet and related internet concepts that are vital in understanding web development.

CO2: Discuss the insights of internet programming and implement complete application over the web.

CO3: Demonstrate the important HTML tags for designing static pages and separate design using cascading style sheets.

CO4: Utilize the concept of JavaScript.

CO5: Use web application software tools like Ajax, PHP, XML etc. and identify the environments currently available in the market to design websites.

Semester V

Group: MPCs

Subject: Programming in JAVA

CO1: Read and understand Java-based software code of medium-to-high complexity.

CO2: Use standard and third-party Java's API's when writing applications.

CO3: Understand the basic principles of creating Java applications with graphical user interface.

CO4: Understand the fundamental concepts of computer science: structure of the computational process, algorithms and complexity of computation.

CO5: Understand the basic approaches to the design of software applications.

CO6: Apply the above to design, implement, appropriately document and test a Java application of medium complexity, consisting of multiple classes.

Semester VI

Group: MPCs

Subject: Web Technologies

CO1: Explain the history of the internet and related internet concepts that are vital in understanding web development.

CO2: Discuss the insights of internet programming and implement complete application over the web.

CO3: Demonstrate the important HTML tags for designing static pages and separate design using cascading style sheets.

CO4: Utilize the concept of JavaScript.

CO5: Use web application software tools like Ajax, PHP, XML etc. and identify the environments currently available in the market to design websites.

Group: B. Com (CA)

Subject: Cyber Security

CO1: Explain about Cyber Attacks, Cyber Forensics and related concepts that are vital in understanding Cyber Security.

CO2: Discuss the insights of Cyber Attacks and Cyber Security Policies.

CO3: Demonstrate the important of Securing Websites.

CO4: Discuss briefly about Intrusion Detection and Prevention techniques.

CO5: Demonstrating symmetric and asymmetric cryptography and network security.

CO6: Understand Cyber Laws and Cyber Forensics.