Course Outcomes
Programme- MCA

Sem   I

IT11 Problem Solving using C++

CO1	Use the algorithm paradigms for problem solving.
CO2	Develop programs with features of the C++ programming language.
CO3	Develop simple applications using C++
CO4	Develop programs in the UNIX/Linux programming environment.

IT12 Software Engineering using UML

CO1	Distinguish different process model for a software development.
CO2	Design software requirements specification solution for a given problem definitions of a software system.
CO3	Apply software engineering analysis/design knowledge to suggest solutions for simulated problems
CO4	Recognize and describe current trends in software engineering

IT13 Database Management System

CO1	Describe the basic concepts of DBMS and various databases used in real applications.
CO2	Design relational database using E-R model and normalization
CO3	Demonstrate nonprocedural structural query languages for various database applications
CO4	Apply concepts of Object Based Database, XML database and non-relational databases.
CO5	Explain transaction management and recovery management for real applications

IT14 Essential of Operating System

CO1	Understand structure of OS, process management and synchronization.
CO2	Analyze and design Memory Management.
CO3	Interpret the mechanisms adopted for file sharing in distributed Applications
CO4	Conceptualize the components and can do Shell Programming.
CO5	Know Basic Linux System Administration and Kernel Administration.

BM11 Business Process Domain

CO1	Describe major bases for marketing mix in business
CO2	Describe various functionalities of human resource process
CO3	Identify existing e-commerce model and payment system
CO4	Apply knowledge to evaluate and manage an effective supply chain
CO5	Understand how customer relations are related to business functions and its importance to success of Business entity
CO6	Use various banking and insurance process for business development.

Sem   II

IT21 Data Structure and Algorithm

CO1	Apply design principles and concepts for Data structure and algorithm
CO2	Summarize searching and sorting techniques
CO3	Describe stack, queue and linked list operation
CO4	Demonstrate the concepts of tree and graphs

IT22 Web Technology

CO1	Implement interactive web page(s) using HTML, CSS and JavaScript
CO2	Build Dynamic web site using server-side PHP Programming and Database connectivity
CO3	Design a responsive web site

MT21 BUSINESS STATISTICS

CO1	Demonstrate concepts of business statistics (such as measures of central tendency, dispersion, correlation, regression analysis and time series analysis)
CO2	Students will be able to analyze and apply statistical tools to solve problems.
CO3	Based on the acquired knowledge to interpret the meaning of the calculated statistical indicators
CO4	Demonstrate concept of index numbers for solving practical problems in business world

IT13 Essentials of Networking

CO1	Understand the basic concepts of data communication including the key aspects of networking and their interrelationship
CO2	Understand various protocols such as HTTP, SMTP, POP3, IMAP, FTP, DNS, DHCP and the basic structure of IPv4, IPv6 Address and concept of sub netting with numerical
CO3	Understand routing concept and working of routing protocols such as RIP, OSPF and BGP
CO4	Understand various encryption techniques

BM21 Principles and Practices of Management and Organizational Behavior

CO1	Describe and analyze the interactions between multiple aspects of management.
CO2	Analyze the role of planning and decision making in Organization
CO3	Justify the role of leadership qualities, Motivation Group dynamics and Team Building.
CO4	Compare the controlling process