

YEAR/ SEMESTER III -I

DATA COMMUNICATION AND COMMUNICATION NETWORKS

CO1: Learning the importance of data communications and Internet in supporting business communications and daily activity

CO2: Learning how communication works in data networks and Internet.

CO3: Recognize the different internetworking devices and their functions.

CO4: Understanding the role of protocols in networking

CO5: Analyze the services and features of the various layers of data networks.

CO6: Design, calculate and apply subnet masks and addresses to fulfill networking requirement.

CO7: Analyze the features and operations of various application layer protocols such as HTTP, DNS, SMTP etc.,

DESIGN AND ANALYSIS OF ALGORITHMS

CO1: Able to analyse the performance of algorithms

CO2: Able to choose the appropriate data structure and algorithm design method for a specified application

CO3: Able to understand how the choice of data structures and algorithm design methods impacts the performance of programs

CO4: Able to solve the problems using algorithm design methods such as the greedy method. divide and conquer, dynamic programming, backtracking and branch and bound

CO5: Able to differentiate deterministic and non-deterministic algorithms

FUNDAMENTALS OF MANAGEMENT

CO1: To discuss the evolution of management concepts & theories

CO2: To interpret the planning & decision making process for organizational success

CO3: analyse organizational structures and human resource functions

CO4: To apply leadership skills for crisis management and customer handling

CO5: To explain the controlling process and strategies in organizations

SOFTWARE ENGINEERING

CO1: Explain the basic software engineering methods and practices, and its applications

CO2: Implement software engineering layered technology and process models

CO3: Define software requirements and requirement engineering process

CO4: Model architectural design, component-level and user interface design

CO5: Implement test strategies including white box, black box, validation testing, system testing

CO6: Implement project management including planning, scheduling, risk management, quality assurance

SCRIPTING LANGUAGES

CO1: