

YEAR/SEMESTER III –II

Distributed Systems

- CO1- Describe the Distributed Systems and System models
- CO2- Define and understand the need of clocks & global states in a distributed system
- CO3- Evaluate Algorithms to set the criteria for the process to access the common resource in a distributed system under mutual exclusion
- CO4- Implement Inter Process Communication using
- CO5- Use Consistency models in Distributed Systems

Information Security

- CO1- Understand security concepts, Ethics in Information Security
- CO2- Understand security threats, and the security services and mechanisms to counter them
- CO3- Comprehend and apply relevant cryptographic techniques
- CO4- Comprehend security services and mechanisms in the network protocol stack
- CO5- Comprehend and apply relevant protocol like SSL, SSH etc L2-Understanding-(Explain, Describe, Interpret, Distinguish),
- CO6- Comprehend and apply email security services and mechanisms

Object Oriented Analysis and Design

- CO1- Understand the importance of modeling and describe the activities in the different phases of Software development life cycle
- CO2- Apply basic and advanced structural modeling including classes, relationships, common mechanisms, interfaces and packages to Real World Problems
- CO3- Model the detailed state of a system using class and object diagram
- CO4- Define events, signals, state machines, processes and threads, time and space
- CO5- Model real world application that captures all the requirements of the system by using UML diagrams including interaction diagrams, Use case and Activity diagrams
- CO6- Model real world application that captures all the requirements of the system by using UML diagrams including state chart, component and deployment diagrams

Software Testing Methodologies

- CO1- Understand the concepts of software testing and path testing
- CO2- Analyse various strategies of data flow testing and transaction flow testing.
- CO3- Analyse various strategies of domain testing and logic based testing.
- CO4- Compute the path product and construct regular expression which is used to identify the alternate paths from source node to destination node for any application
- CO5- Execute how to do performance testing using testing tools including winrunner and jmeter respectively
- CO6- Able to define and identify good and bad state graphs

Managerial Economics and Financial Analysis

- CO1- Students will be able to understand economics and business economic concepts
- CO2- Students will be able to differentiate different business organisations and nurture the idea of start-ups
- CO3- Students will be able to build up decision making skill under uncertain business climate
- CO4- To interpret the basics of financial accounting and relevance of accounting principles
- CO5- Students will be able to evaluate long term investment proposals
- CO6- Apply accounting concepts and methods to interpret financial statements for evaluating the financial position and performance of organizations

Web Technologies

- CO1- Identify the methods to read data from web pages using php.
- CO2- Identify the engineering structural design of xml and parse tree.
- CO3- Able to develop java scripts.
- CO4- Create applications by using the concepts like jsp and servlets
- CO5- Apply jdbc and odbc technologies to create database.