

SREENIVASA INSTITUTE of TECHNOLOGY and MANAGEMENT STUDIES

II MCA - II Semester

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16MCA227

OBJECT ORIENTED ANALYSIS & DESIGN LAB

Course Objectives:

- To Explore the Conceptual Model of UML
- To Model Static parts of the System using UML
- To Model Dynamic parts of the System using UML
- To Learn Reverse and Forward Engineering

Syllabus:

- 1) Write about Conceptual Model of UML**
- 2) Draw the Following UML Diagrams for Library Management System**
 - Use Case Diagram.
 - Class Diagram.
 - Sequence Diagram.
 - Collaboration Diagram.
 - State Chart Diagram
 - Activity Diagram.
 - Component Diagram
 - Deployment Diagram.
- 3) Draw the Following UML Diagrams for Airline Reservation System**
 - Use Case Diagram.
 - Class Diagram.
 - Sequence Diagram.
 - Collaboration Diagram.
 - State Chart Diagram
 - Activity Diagram.
 - Component Diagram
 - Deployment Diagram.

4) Draw the Following UML Diagrams for Hospital Management System

- Use Case Diagram.
- Class Diagram.
- Sequence Diagram.
- Collaboration Diagram.
- State Chart Diagram
- Activity Diagram.
- Component Diagram
- Deployment Diagram.

5) Illustrate Forward and Reverse Engineering concept

6) Implement All UML Diagrams by taking your own Systems(Minimum 2 Systems)

Course Outcomes:

- Model Static parts of the System using static Diagrams
- Model Dynamic parts of the System using Dynamic Diagrams
- Do Reverse and Forward engineering using UML

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