SREENIVASA INSTITUTE of TECHNOLOGY and MANAGEMENT STUDIES

II MCA - II Semester	**L**	**P**	**C**
	0	**3**	**2**

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