SCHEME OF COURSE WORK

Course Details:

Course Title	**: UML Lab(Skill Based LAB Elective-I)**		
Course Code	**: 15IT11S1**	**L T P C**	**: 0 0 0 1**
Program:	**: B.Tech.**		
Specialization:	**: Information Technology**		
Semester	**: VII**		
Prerequisites	**: Object Oriented Analysis and Design**		

Course Outcomes (COs):

At the end of the course the student will be able to

1. Analyze different views and create use case view of an application.
2. Create class and object diagrams in UML.
3. Develop interaction, use case, activity diagrams.
4. Design component and deployment diagrams.
5. Design a model.

CourseOutcome Versus **ProgramOutcomes** Versus **Program Specific Outcomes:**

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO-1	2		2	2	3	2			3	2	3	3			
CO-2		3	3	3			2		3		2	3	2		
CO-3		3	3		2				2		2	2	2		
CO-4		2	2	2			2		2		2	2	2		
CO-5			3	3								3	2		

3 - Strongly correlated, 2 - Moderately correlated, 1-Weakly correlated,Blank – No correlation

Assessment Methods:	Day-to-Day Analysis (observation, record and viva)

Teaching-Learning and Evaluation

Week	Topic/Content	Course outcomes	Sample questions	Teaching learning Strategy	Assessment Methods
1	Draw a model for Airport management system in different views i.e. Use case view.	CO 1,5	**What is an object?** **What are the principles of modeling?** **What is the importance of the modeling?**	Lecture Working Examples Designing Views	Day to day Analysis – 1
2	Draw a model for Airport management system in logical view, component view.	CO 1,2,5	**What are common Mechanisms?** **Define a class diagram**	Lecture Designing Views	

3	Draw a model for Airport management system in Deployment view, Database design.	CO 1,4,5	**Define advanced relationships. Define Types and Roles**	Lecture Designing Views	
4	Draw a model for E-commerce sites in different views i.e Use case view, logical view.	CO 2,5	**Define state chart Diagrams**	Lecture Designing Views	
5	Draw a model for E-commerce sites in component view, Deployment view, Database design.	CO 1,4,5	**Define processes and Threads**	Lecture Designing Views	Day to day Analysis – 2
7	Draw a model for online ticket reservation system in different Views i.e Use case view, logical view, and component view.	CO 2,4	**What is a component?**	Lecture Designing Views	
8	Draw a model for online ticket reservation system in Deployment view, Database design.	CO 2,4,5	**Draw the symbols of Component and deployment.**	Lecture Designing Views	
9	Draw a model for online ticket reservation system in forward and Reverse Engineering and Generation of documentation of the project.	CO 1,5	**What are the systems and models**	Lecture Designing Views	
END EXAM					