

OBJECT ORIENTED ANALYSIS AND DESIGN LABORATORY

VI Semester: CSE								
Course Code	Category	Hours / Week			Credits	Maximum Marks		
ACS108	Core	L	T	P	C	CIA	SEE	Total
		-	-	3	2	30	70	100
Contact Classes: Nil	Tutorial Classes: Nil	Practical Classes: 39			Total Classes: 39			
OBJECTIVES: The course should enable the students to: <ol style="list-style-type: none"> Design use cases and develop the use case model. Capture a business process model. Practice the object oriented analysis and design through UML on a particular application. Explore tools that support UML and object oriented software development. 								
COURSE LEARNING OUTCOMES(CLOs): The students should enable to: <ol style="list-style-type: none"> Demonstrate the Conceptual model of UML and SDLC. Define classes modeling techniques and instances modeling techniques. Analyze the Objects and Classes are required for the development of software system Describe interaction diagrams and their modeling techniques. Creation of interaction diagram that model the dynamic aspects of a software system. Use case and activity studies to illustrate the analysis and design concepts. Demonstrate activity diagram and their modeling techniques Demonstrate component and deployment diagram Identify, analyze, and model behavioral concepts of the system and also know the importance of events and signals and their modeling techniques. Analyze and understand the uses of process and threads and time and space to model and development of a system. Demonstrate state machines and state chart diagrams and their modeling techniques Illustrate the uses of component and deployment diagram and their modeling techniques. Analyze the Objects and Classes are required for the development of software system. 								
LIST OF EXPERIMENTS								
Week-1	SOFTWARE REQUIREMENTS SPECIFICATION							
Introduction to UML Diagrams. Create SRS for Recruitment System.								
Week-2	USE CASE DIAGRAM							

a. Passport Automation System b. Book bank management system c. Online course reservation system d. Foreign trading system e. Conference Management System f. BPO Management System	
Week-3	ACTIVITY DIAGRAM
a. Passport Automation System b. Book bank management system c. Online course reservation system d. Foreign trading system e. Conference Management System f. BPO Management System	
Week-4	DOMAIN MODEL
Identity the conceptual classes and Develop a domain model with UML Class diagram for passport automation system	
Week-5	SCENARIOS
Using the identified scenarios find the interaction between objects and represent them using UML Interaction diagrams.	
Week-6	STATE CHART DIAGRAM
Draw a state chart diagram for a. Passport Automation System b. Book bank management system c. Online course reservation system	
Week-7	STATE CHART DIAGRAM
a. Foreign trading system b. Conference Management System c. BPO Management System	
Week-8	ARCHITECTURE DIAGRAM
Identify the User Interface, Domain objects, and Technical services.	
Week-9	ARCHITECTURE DIAGRAM
Draw the partial layered, logical architecture diagram with UML package diagram notation	
Week-10	COMPONENT DIAGRAM
Draw a Component diagram for a. Passport Automation System b. Book bank management system c. Online course reservation system	

Week-11	COMPONENT DIAGRAM
Draw a Component diagram for a. Foreign trading system b. Conference Management System c. BPO Management System	
Week-12	DEPLOYMENT DIAGRAMS
Draw a Component diagram for a. Passport Automation System b. Book bank management system c. Online course reservation system	
Week-13	DEPLOYMENT DIAGRAMS
Draw a Component diagram for a. Foreign trading system b. Conference Management System c. BPO Management System	