INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad – 500043

COMPUTER SCIENCE AND ENGINEERING

List of Laboratory Experiments

CASE TOOLS LABORATORY							
Course Code	**Category**	**Hours / Week**			**Credits**	**Maximum Marks**	

Course Code	**Category**	**L**	**T**	**P**	**C**	**CIA**	**SEE**	**Total**
ACSB15	**Core**	0	0	2	1	30	70	100

Contact Classes: Nil	**Tutorial Classes: Nil**	**Practical Classes: 36**		**Total Classes:36**	
Branch: CSE	**Semester: V**	**Academic Year: 2021-22**		**Regulation: R18**	

Course overview:

This course aims to learn mining tasks using a data mining toolkit (WEKA). It includes the pre-processing on data and data mining functionalities such as exploring data, association mining, classification, clustering and attribute selection.

Course objectives:

The students will try to learn:
1. The concept of modeling and mechanisms involved in UML.
2. Analysis and design of object-oriented solutions.
3. The case studies for analyzing modeling techniques.

Course outcomes:

After successful completion of the course, students will be able to:

CO1 Demonstrate building blocks and different views for designing conceptual model and architectural views of the system.
CO2 Make use of architectural modelling diagrams for studying static aspects of the system.
CO3 Construct behavioral modelling diagrams for studying dynamic aspects of the system.
CO4 Create a design model for online systems using UML diagrams.
CO5 Create a design model for functioning of a machine using UML diagrams.
CO6 Create a design model for real time scenarios using UML diagrams.

WEEK NO	EXPERIMENT NAME	CO
WEEK – I	**INTRODUCTION TO UML** Study Of UML	**CO1,CO2, CO3**
WEEK – II	**ON LINE PURCHASE SYSTEM** Create a UML model for On line Purchase System	**CO2, CO3, CO4**
WEEK – III	**LIBRARY MANAGEMENT SYSTEM** Create a UML model for Library Management System	**CO2, CO3, CO4**
WEEK – IV	**E-TICKETING** Create a UML model for E-Ticketing	**CO2, CO3, CO4**
WEEK – V	**QUIZ SYSTEM** Create a UML model for Quiz System	**CO2, CO3, CO6**
WEEK – VI	**STUDENT MARK ANALYZING SYSTEM** Create a UML model for Student Mark Analyzing System	**CO2, CO3, CO6**
WEEK – VII	**E-MAIL CLIENT SYSTEM** Create a UML model for E-Mail Client System	**CO2, CO3, CO4**
WEEK –VIII	**TELEPHONE PHONE DIALING** Create a UML model for Telephone Phone Dialing	**CO2, CO3, CO5**
WEEK - IX	**POINT OF SALE** Create a UML model for Point of sale	**CO2, CO3, CO4**

WEEK - X	**WORKING COMPANY**	**CO2, CO3, CO6**
	Create a UML model for a Working Company	
WEEK – XI	**ATM TRANSACTIONS**	**CO2, CO3, CO5**
	Create a system to design Bank ATM Transactions and generate code by using MS-Access as back end and VB as the front end.	
WEEK – XII	**STUDENT MARK ANALYSIS**	**CO2, CO3, CO6**
	Create a system to design Student mark analysis system and generate code by using MS-Access as back end and VB as the front end.	

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