

Bhoj Reddy Engineering College for Women: Hyderabad
Department of Computer Science and Engineering
Lesson plan of faculty member for the academic year 2017–18

Class: III B Tech
Subject: OOAD

Branch-Section: CSE-A

Semester: II
Lectures per week: 4

Lecture Number	Topics to be covered	Date (s)
Unit-I: Introduction to UML		
1	Introduction to UML	18 December 2017
2	Importance of Modeling	21 December 2017
3	Principles of Modeling, Object Oriented Modeling	22 December 2017
4	Conceptual model of the UML	23 December 2017
5	Conceptual model of the UML	28 December 2017
6	Architecture	29 December 2017
7	Software Development Life Cycle	30 December 2017
Unit-II: Basic Structural Modeling		
8	Classes	04 January 2018
9	Relationships	05 January 2018
10	Common Mechanisms	06 January 2018
11	Diagrams	08 January 2018
12	Advanced Classes	11 January 2018
13	Advanced Relationships	12 January 2018
14	Interfaces	13 January 2018
15	Interfaces	18 January 2018
16	Types & Roles	19 January 2018
17	Packages	20 January 2018
18	Class and object diagrams: Terms, Concepts	22 January 2018
19	Modeling Techniques for Class Diagrams	25 January 2018
20	Modeling Techniques for Object Diagrams	29 January 2018
Unit-III: Basic Behavior Modelling-I		
21	Interaction	01 February 2018
22	Sequence Diagrams	02 February 2018
23	Collaboration Diagrams	03 February 2018
24	Revision	05 February 2018
25	Basic Behavioral Modeling-II :Use Cases	10 February 2018
26	Use Case Diagrams	12 February 2018
27	Use Case Diagrams	15 February 2018
28	Activity Diagrams	16 February 2018
29	Activity Diagrams	17 February 2018
30	Revision	19 February 2018
Unit-IV: Advanced Behavior Modelling		
31	Events	22 February 2018
32	Signals	23 February 2018
33	State Machines	24 February 2018
34	State Machines	26 February 2018
35	Processes	02 March 2018
36	Threads	03 March 2018
37	Time & Space	05 March 2018
38	State Chart Diagrams	08 March 2018
39	Examples on state chart diagrams	09 March 2018
40	Architectural Modeling: Component	10 March 2018
41	Deployment	12 March 2018
42	Architectural Diagrams: Component Diagrams	15 March 2018
43	Examples on Component diagrams	16 March 2018
44	Deployment Diagrams	17 March 2018

45	Examples on Deployment diagrams	19 March 2018
46	Revision	22 March 2018
UNIT-V: Patterns and Frameworks		
47	patterns	22 March 2018
48	Frameworks	23 March 2018
49	Artifact diagrams	24 March 2018
50	Case study on unified library application, Hospital management application	29 March 2018
51	Revision	31 March 2018
52	Revision	02 April 2018

TEXT BOOK:

1. Grady Booch, James Rumbaugh, Ivar Jacobson : The Unified Modeling Language User Guide, Pearson Education.
2. Hans-Erik Eriksson, Magnus Penker, Brian Lyons, David Fado : UML 2 ToolKit, WILEY-Dreamtech India Pvt Ltd.

Name and signature of the faculty: **Mrs Sushma G**

Name and signature of Head of the Department: **Mr Dayakar Reddy G**