ATME College of Engineering

Department of Computer Science & Design

Lesson Plan & Work-done Diary for AY: 2023-24, ODD Semester

Course with Code: Object Oriented Modelling And Design-21CD51				**Faculty:** Darshini Y			**Semester & Section:** V	
Class No.	**Date planned (DD/MM)**	**Topics to be covered**	**TLP Planned**	**Class No.**	**Date of Conduction (DD/MM)**	**Topics Covered**	**TLP Executed**	**Remarks if any deviation**
MODULE-1								
1.		Advanced object and class concepts	PPT	1.				
2.		Association ends; N-ary associations	PPT	2.				
3.		Aggregation; Abstract classes	PPT	3.				
4.		Multiple inheritance; Metadata; Reification	PPT	4.				
5.		Constraints; Derived Data; Packages. State Modeling:	PPT	5.				
6.		Events, States, Transitions and Conditions,	PPT	6.				
7.		State Diagrams	PPT	7.				
8.		State diagram behaviour.	PPT	8.				
9.		Revision, Module End Question discussion, Quiz	My Quiz App	9.				

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MODULE-2								
1.		**UseCase Modelling and Detailed Requirements**	PPT	1.				
2.		Overview; Detailed object-oriented	PPT	2.				
3.		Requirements definitions;	PPT	3.				
4.		System Processes	PPT	4.				
5.		System Processes-A use case/Scenario view	PPT	5.				
6.		Identifying Input and outputs-The System sequence diagram	PPT	6.				
7.		Identifying Object Behaviour-The state chart Diagram	PPT	7.				
8.		Integrated Object-oriented Models.	PPT	8.				
9.		Revision, Module End Question discussion, Quiz	my Quiz App	9.				

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MODULE-3								
1.		Process Overview, System Conception and Domain Analysis:	PPT	1.				
2.		Process Overview: Development stages;	PPT	2.				
3.		Development life Cycle; System Conception	PPT	3.				
4.		Devising a system concept; elaborating a concept	PPT	4.				
5.		Preparing a problem statement. Domain Analysis	PPT	5.				
6.		Overview of analysis; Domain Class model: Domain state model	PPT	6.				
7.		Domain interaction model; Iterating the analysis.	PPT	7.				
8.		Revision, Module End Question discussion, Quiz	My Quiz App	8.				

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MODULE-4								
1.		Use case Realization :The Design Discipline within up iterations:	PPT	1.				
2.		Object Oriented Design-The Bridge between Requirements and Implementation;	PPT	2.				
3.		Design Classes and Design within Class Diagrams	PPT	3.				
4.		Interaction Diagrams-Realizing Use Case and defining methods	PPT	4.				
5.		Designing with Communication Diagrams;	PPT	5.				
6.		Updating the Design Class Diagram;	PPT	6.				
7.		Package Diagrams-Structuring the Major Components;	PPT	7.				
8.		Implementation Issues for Three-Layer Design	PPT	8.				
9.		Revision, Module End Question discussion, Quiz	myQuiz App	9.				

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MODULE-5								
1.		Design Patterns: Introduction; what is a design pattern?	PPT	1.				
2.		Describing design patterns, the catalogue of design patterns,	PPT	2.				
3.		Organizing the catalogue, How design patterns solve design problems,	PPT	3.				
4.		how to select a design patterns, how to use a design pattern	PPT	4.				
5.		Creational patterns:	PPT	5.				
6.		prototype and singleton (only);	PPT	6.				
7.		Structural patterns adaptor and proxy (only).	PPT	7.				
8.		Revision, Module End Question discussion, Quiz	myQuiz App	8.				

	Activity	Planned	Actual	Remarks
1	Theory Classes	40		
2	Assignments/ Quizzes/ Self-study	2		
3	Tutorials/ Extra classes	-		
4	Internal Assessments	3		
5	ICT based Teaching (% of usage in Curriculum)	100		
Planning			**Execution**	
Faculty Signature:			**Faculty Signature:**	
HoD Signature:			**HoD Signature:**	