



DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING - AI & ML

Lesson Plan & Work-done Diary for AY:2026-27, ODD Semester

Course with Code: Software Engineering & Project Management (BCS501)				Faculty: Mrs. Vanitha G Naik			Semester & Section: V	
Class No.	Date planned (DD/MM)	Topics to be covered	TLP Planned	Class No.	Date of Conduction(D D/MM)	Topics Covered	TLP Executed	Remarks if any deviation
MODULE-1								
1.		Software and Software Engineering: The nature of Software	PPT Chalk & Talk	1.				
2.		The unique nature of WebApps, Software Engineering	PPT Chalk & Talk	2.				
3.		The Software Process	PPT Chalk & Talk	3.				
4.		Software engineering practices	PPT Chalk & Talk	4.				
5.		Software myths.	PPT Chalk & Talk	5.				
6.		Process Models: A generic process model, Process assessment and improvement	PPT Chalk & Talk	6.				
7.		Prescriptive process models: Waterfall model,	PPT Chalk & Talk	7.				
8.		Incremental process models, Evolutionary process models,	PPT Chalk & Talk	8.				
9.		Concurrent models,	PPT Chalk & Talk	9.				
10.		Specialized process models.	PPT Chalk & Talk	10.				
11.		Unified Process	PPT Chalk & Talk	11.				
12.		Personal and Team process models	PPT Chalk & Talk	12.				



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MODULE-2								
13		Understanding Requirements: Requirements Engineering, Establishing the ground work	PPT Chalk & Talk	11				
14		Eliciting Requirements, Developing use cases	PPT Chalk & Talk	12				
15		Building the requirements model, Negotiating Requirements	PPT Chalk & Talk	13				
16		Validating Requirements.	PPT Chalk & Talk	14				
17		Requirements Modeling Scenarios, Information and Analysis classes: Requirement Analysis	PPT Chalk & Talk	15				
18		Scenario based modeling	PPT Chalk & Talk	16				
19		UML models that supplement the Use Case	PPT Chalk & Talk	17				
20		Data modeling Concepts, Class-Based Modeling.	PPT Chalk & Talk	18				
21		Requirement Modeling Strategies : Flow oriented Modeling	PPT Chalk & Talk	19				
22		Behavioral Modeling.	PPT Chalk & Talk	20				



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MODULE-3								
23		Agile Development: What is Agility?	PPT Chalk & Talk	21.				
24		Agility and the cost of change.	PPT Chalk & Talk	22				
25		What is an agile Process?	PPT Chalk & Talk	23				
26		Extreme Programming (XP)	PPT Chalk & Talk	24				
27		Other Agile Process Models	PPT Chalk & Talk	25				
28		A tool set for Agile process	PPT Chalk & Talk	26				
29		Principles that guide practice: Software Engineering Knowledge	PPT Chalk & Talk	27				
30		Core principles	PPT Chalk & Talk	28				
31		Principles that guide each framework activity.	PPT Chalk & Talk	29				
32		Principles that guide each framework activity.	PPT Chalk & Talk	30				





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MODULE-4								
33		Introduction to Project Management: Introduction, Project and Importance of Project Management,	PPT Chalk & Talk	31				
34		Contract Management, Activities Covered by Software Project Management	PPT Chalk & Talk	32				
35		Plans, Methods and Methodologies	PPT Chalk & Talk	33				
36		Some ways of categorizing Software Projects, Stakeholders	PPT Chalk & Talk	34				
37		Setting Objectives, Business Case	PPT Chalk & Talk	35				
38		Project Success and Failure, Management and Management Control	PPT Chalk & Talk	36				
39		Project Management life cycle	PPT Chalk & Talk	37				
40		Traditional versus Modern Project Management Practices	PPT Chalk & Talk	38				
41		Project Evaluation: Evaluation of Individual projects	PPT Chalk & Talk	39				
42		Cost-benefit Evaluation Techniques, Risk Evaluation	PPT Chalk & Talk	40				





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MODULE-5								
43		Software Quality: Introduction	PPT Chalk & Talk	41				
44		The place of software quality in project planning..	PPT Chalk & Talk	42				
45.		Importance of software quality	PPT Chalk & Talk	43.				
46.		Defining software quality	PPT Chalk & Talk	44.				
47.		Software quality models	PPT Chalk & Talk	45.				
48.		product versus process quality management	PPT Chalk & Talk	46.				
49		product versus process quality management	PPT Chalk & Talk	47.				
50.		Software Project Estimation: Observations on Estimation,	PPT Chalk & Talk	48.				
51		Decomposition Techniques	PPT Chalk & Talk	49				
52		Empirical Estimation Models	PPT Chalk & Talk	50				





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	Activity	Planned	Actual	Remarks
1	Theory Classes	52		
2	Assignments/Quizzes/Self-study	3		
3	Tutorials/Extra classes	2		
4	Internal Assessments	3		
5	ICT based Teaching (%of usage in Curriculum)	100		
Planning			Execution	
Faculty Signature:			Faculty Signature:	
HoD Signature:			HoD Signature:	