

## Lesson Plan & Work-done Diary for AY: 2025-26, ODD Semester

Course with Code: Software Engineering & Project Management-BCS501				Faculty: Dr. Vinod Kumar P			Semester & Section: 5 <sup>th</sup>	
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
<b>MODULE-1</b>								
1		Software and Software Engineering: Software, The Nature of the software	PPT					
2		The unique nature of WebApps, Software Engineering,	PPT					
3		The software process, The software Engineering practice, The software myths,	PPT					
4		Process Models: A generic process model, Process assessment and improvement	PPT					
5		Prescriptive process models: Waterfall model	PPT					
6		Incremental process models,	PPT					
7		Evolutionary process models,	PPT					
8		Concurrent models,	PPT					
9		Specialized process models.	PPT					
10		Unified Process , Personal and Team process models	PPT					

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

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<b>MODULE-3</b>								
21		AGILE DEVELOPMENT: What is Agility?, Agility and the cost of change, agile process	PPT					
22		Extreme Programming (XP)	PPT					
23		Other Agile Process Models	PPT					
24		Other Agile Process Models, A tool set for agile process	PPT					
25		Principles that guide practice: Software Engineering Knowledge	PPT					
26		Core principles	PPT					
27		Core principles	PPT					
28		Principles that guide each framework activity	PPT					
29		Principles that guide each framework activity	PPT					
30		Revision of al 3 modules	PPT					

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

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MODULE-5								
41		Software Quality: Introduction, The place of software quality in project planning	PPT					
42		Importance of software quality	PPT					
43		Defining software quality	PPT					
44		quality models, ISO 9126	PPT					
45		product and process metrics	PPT					
46		product versus process quality management	PPT					
47		Quality Management systems, process capability models	PPT					
48		Software Project Estimation: Observations on Estimation	PPT					
49		Decomposition Techniques, Empirical Estimation Models	PPT					
50		Revision	PPT					

	Activity	Planned	Actual	Remarks
1	Theory Classes	50		
2	Assignments/ Quizzes/ Self-study	3		
3	Tutorials/ Extra classes	Nil		
4	Internal Assessments	3		
5	ICT based Teaching (% of usage in Curriculum)	100%		
Planning			Execution	
Faculty Signature:			Faculty Signature:	
HoD Signature:			HoD Signature:	