

## **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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<b>MODULE-2</b>									
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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<b>MODULE-4</b>									
31		Introduction to Project Management: Introduction, Project and Importance of Project Management	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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<b>MODULE-5</b>									
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						

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