

Panipat Institute of Engineering & Technology
Department of CSE-AI&DS
LESSON PLAN

Subject: Agile Software Engineering
Session: Jan.-June 2023-24

Subject code: OE-CS-AIDS408
Semester: 8th

SNo	Topic	CO Covered	Assignment No.	Teaching Methodology
1	Agile Software Development: Basics and Fundamentals, of Agile Process Methods	CO1	Assignment-1	Smart board
2	Values of Agile, Principles of Agile, stakeholders	CO1		Smart board
3	Challenges Lean Approach: Waste Management, Kaizen and Kanban, add process and products add value	CO1		Smart board
4	Roles related to the lifecycle, differences between Agile and traditional plans	CO1		Smart board
5	differences between Agile plans at different lifecycle phase	CO1		Smart board
6	Testing plan links between testing, roles and key techniques, principles	CO1		Smart board
7	understand as a means of assessing the initial status of a project/ How Agile helps to build quality	CO1		Smart board
8	Revision Test	CO1		
9	Agile and Scrum Principles: Agile Manifesto, Twelve Practices of XP	CO2	Assignment-2	PPT
10	Scrum Practices, Applying Scrum. Need of scrum, working of scrum, advanced Scrum Applications	CO2		PPT
11	Scrum and the Organization, scrum values Agile Product Management	CO2		PPT
12	Communication, Planning, Estimation	CO2		PPT
13	Managing the Agile Approach Monitoring progress, Targeting and motivating the team	CO2		PPT
14	managing business involvement, Escalating issue. Quality, Risk, Metrics and Measurements	CO2		PPT
15	Managing the Agile Approach Monitoring progress,	CO2		PPT
16	Targeting and motivating the team, managing business involvement and Escalating issue	CO2		PPT

17	Revision Test	CO2		PPT
18	Agile Requirements: User Stories, Backlog Management	CO3	Assignment-3	Smart board
19	Agile Architecture: Feature Driven Development	CO3		Smart board
20	Agile Risk Management: Risk and Quality Assurance	CO3		Smart board
21	Agile Tools Agile Testing: Agile Testing Techniques	CO3		Smart board
22	Test-Driven Development	CO3		Smart board
23	User Acceptance Test	CO3		Smart board
24	Revision Test	CO3		Written test
25	Agile Review: Agile Metrics and Measurements	CO4	Assignment-4	PPT
26	The Agile approach to estimating and project variables	CO4		PPT
27	Agile Measurement, Agile Control: the 7 control parameters	CO4		PPT
28	Agile approach to Risk	CO4		PPT
29	The Agile approach to Configuration Management	CO4		PPT
30	The Atern Principles, Atern Philosophy	CO4		PPT
31	,The rationale for using Atern,	CO4		PPT
32	Refactoring	CO4		PPT
33	Continuous integration,	CO4		PPT
34	Automated Build Tools	CO4		PPT
35	Revision Test	CO4		PPT