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

Subject: Agile Software Engineering **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**		Oral test
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 Developmen	**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