



VIVEKANANDHA COLLEGE OF ENGINEERING FOR WOMEN

[AUTONOMOUS INSTITUTION AFFILIATED TO ANNA UNIVERSITY, CHENNAI]

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



Course Code / Name : U14CS737 / Agile Methodologies

Class : (IV /B.E / CSE /A&B)

LESSON PLAN

UNIT -1 (AGILE METHODOLOGY)				
Session No	Topic	Duration in Minutes	Teaching Aid	Book Referred
1	Theories for Agile Management	45	PPT	R1
2	Agile Software Development	45	PPT	R1
3	Traditional Model vs. Agile Model	45	PPT	R1
4	Classification of Agile Methods	45	PPT	R1
5	Agile Manifesto and Principles	45	PPT	R1
6	Agile Project Management	45	PPT	R1
7	Agile Team Interactions	45	PPT	R2
8	Ethics in Agile Teams	45	PPT	R2
9	Agility in Design, Testing	45	PPT	R2
UNIT -2 (AGILE PROCESSES)				
10	Lean Production	45	PPT	R1,R2
11	SCRUM, Crystal, Feature Driven Development	45	PPT	R1,R2
12	Adaptive Software Development	45	PPT	R1,R2
13	Extreme Programming	45	PPT	R1,R2
14	Method Overview	45	PPT	R1,R2
15	Lifecycle	45	PPT	R1,R2
16	Work Products	45	PPT	R1,R2
17	Roles and Practices	45	PPT	R1,R2
18	Method Overview	45	PPT	R1,R2
UNIT -3 (AGILITY AND KNOWLEDGE MANAGEMENT)				
19	Agile Information Systems	45	PPT	R1,R2
20	Agile Decision Making	45	PPT	R1,R2
21	Earl_S Schools of KM	45	PPT	R1,R2
22	Institutional Knowledge Evolution Cycle	45	PPT	R1,R2
23	Development, Acquisition, Refinement, Distribution, Depl	45	PPT	R1,R2
24	Leveraging	45	PPT	R1,R2
25	KM in Software Engineering	45	PPT	R1,R2
26	Story	45	PPT	R1,R2
27	Card Maturity Model (SMM).	45	PPT	R1,R2
UNIT -4 (AGILITY AND REQUIREMENTS ENGINEERING)				
28	Impact of Agile Processes in RE	45	PPT	R1
29	Current Agile Practices	45	PPT	R1
30	Variance	45	PPT	R1
31	Overview of RE Using Agile	45	PPT	R1
32	Managing Unstable Requirements	45	PPT	R1
33	Requirements Elicitation	45	PPT	R1
34	Agile Requirements Abstraction Model	45	PPT	R1
35	Requirements Management in Agile Environment	45	PPT	R1
36	Agile Requirements Prioritization	45	PPT	R1

UNIT -5 (AGILITY AND QUALITY ASSURANCE)				
37	Agile Product Development	45	PPT	R1
38	Agile Metrics	45	PPT	R1
39	Feature Driven Development (FDD)	45	PPT	R1
40	Financial and Production Metrics in FDD	45	PPT	R1
41	Agile Approach to Quality Assurance	45	PPT	R1
42	Test Driven Development	45	PPT	R1
43	Agile Approach in Global Software Development.	45	PPT	R1
44	Agile Metrics	45	PPT	R1
45	Test Driven Development	45	PPT	R1