

BhojReddy Engineering College for Women: Hyderabad  
 Department of Electronics and Communication Engineering  
 Lesson plan of faculty member for the academic year 2019–20

Class: IV B Tech

Branch-Section: IT-B

Semester: II

Subject: Modern Software engineering

Lectures per week: 3

Lecture Number	Topics to be covered	Date (s)
<b>UNIT – I: Introduction Extreme Programming (XP) - Agile Development</b>		
1	Why Agile - Understanding Success	23 December 2019
2	Beyond Deadlines, Importance of Organizational Success	23 December 2019
3	Introduction to Agility	24 December 2019
4	Agile methods, Road to mastery	30 December 2019
5	Understanding XP (Extreme Programming) - XP life cycle	30 December 2019
6	XP team, XP Concepts, Adopting XP	31 December 2019
7	Implementing XP, Practicing XP	6 January 2020
8	Thinking, Pair Programming	6 January 2020
9	Energized work, Informative Workspace	7 January 2020
10	Retrospectives	13 January 2020
<b>UNIT-II: Collaborating</b>		
11	Trust, Sit together	13 January 2020
12	Accommodating Poor Communication, Exploiting Great Communication Secrets of Sitting Together	20 January 2020
13	Real customer involvement	20 January 2020
14	Personal Development In-House Custom Development	21 January 2020
15	Ubiquitous language	27 January 2020
16	Meetings, coding standards	27 January 2020
17	Iteration demo	28 January 2020
18	Reporting	3 February 2020
<b>UNIT-III: Releasing</b>		
19	Bug free Release, Invert Your Expectations	3 February 2020
20	Version Control	4 February 2020
21	Concurrent Editing Time	17 February 2020
22	Whole Project ,Customers and Version Control ,Keep It Clean	17 February 2020
23	Fast build, Automate Your Build	18 February 2020
24	The Continuous Integration Script ,Introducing Continuous Integration	24 February 2020
25	Collective ownership, Making Collective Ownership Work	24 February 2020
26	Product Documentation, Handoff Documentation	25 February 2020
<b>UNIT-IV: Planning</b>		
27	Vision , Product Vision	2 March 2020
28	Release Planning, Release Early, Release Often	2 March 2020
29	Planning at the Last Responsible Moment	3 March 2020
30	Adaptive Planning and Organizational Culture	10 March 2020
31	Risk Management, Iteration Planning, The Iteration Timebox	16 March 2020
32	Slack, How to Introduce Slack, Research Time	16 March 2020
33	Stories, Story Cards	17 March 2020
34	Estimating, Velocity	23 March 2020
<b>UNIT-V: Developing</b>		
35	Incremental requirements	23 March 2020
36	Customer tests	24 March 2020

37	Test driven development	30 March 2020
38	Refactoring	30 March 2020
39	Incremental design and architecture	31 March 2020
40	Spike solutions	06 April 2020
41	Performance optimization,	06 April 2020
42	Exploratory testing	07 April 2020

**TEXT BOOKS:**

- 1.The art of Agile Development, James Shore and Shane Warden, 11th Indian Reprint, O'Reilly, 2018.
2. Learning Agile, Andrew Stellman and Jennifer Greene, O'Reilly, 4th Indian Reprint,2018
3. Practices of an Agile Developer, Venkat Subramaniam and Andy Hunt, SPD, 5<sup>th</sup> Indian Reprint, 2015
4. Agile Project Management - Jim Highsmith, Pearson Low price Edition 2004

Name and signature of the faculty: Ms D Navaneetha ----

Name and signature of Head of the Department: Mr M Vinod ----