Zagdu Singh Charitable Trust's (Regd.)
THAKUR COLLEGE OF ENGINEERING & TECHNOLOGY
(Approved by AICTE, Govt. of Maharashtra & Affiliated to University of Mumbai*)
(Accredited Programmes by National Board of Accreditation, New Delhi**)
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ISO 9001 : 2008 Certified

*Permanent Affiliated UG Programmes : • Computer Engineering • Electronics & Telecommunication Engineering • Information Technology (w.e.f.: A.Y. 2015-16 onwards)
**1st time Accredited UG Programmes : • Computer Engineering • Electronics & Telecommunication Engineering • Information Technology
**2nd time Accredited UG Programmes : • Computer Engineering • Electronics & Telecommunication Engineering • Information Technology • Electronics Engineering (3 years w.e.f.: 01-07-2016)

TCET/FRM/IP-02/09 **Revision: A**

Semester Plan (Theory)

Semester: I **Course: IT**

Subject: Advances in Software Engineering **Class: ME IT**

Sr. No	Module No.	Lesson No	Topics Planned (Technology to be used)	Teaching Aids Required	Planned /Completion Date	Resource Book Reference	Remarks
1	Module 2	L2.1	Requirements Engineering, Eliciting Requirements	Power point presentation, Chalk & Board	7/8/2017	1.1	
2	Module 2	L2.2	Collaborative Requirements Gathering, Quality Function Deployment,	Power point presentation, Chalk & Board	7/8/2017	1.1	
3	Module 2	L2.3	Developing Use Cases,Validating Requirements,	Power point presentation, Chalk & Board	14/8/2017	1.1	
4	Module 2	L2.4	UML Models,	Power point presentation, Chalk & Board	148/17	1.1	
5	Module 2	L2.5	Developing an Activity Diagram,	Power point presentation, Chalk & Board	21/9/2017	1.1	
6	Module 2	L2.6	Class-Based Modeling,	Power point presentation, Chalk & Board	21/9/2017	1.1	
7	Module 2	L2.7	Creating a Behavioral Patterns for Requirements Modeling,	Power point presentation, Chalk & Board	4/9/2017	1.1	

8	Module 2	L2.8	State Machine Diagram with orthogonal states,	Power point presentation, Chalk & Board	4/9/2017	1.1	
9	Module 4	L4.1	A Strategic Approach to Software Testing,	Power point presentation, Chalk & Board	1/9/2017	1.1	
10	Module 4	L4.2	Validation Testing, System Testing	Power point presentation, Chalk & Board	1/9/2017	1.1	
11	Module 4	L4.3	White-Box Testing , Basis Path Testing,	Power point presentation, Chalk & Board	18/9/17	1.1	
12	Module 4	L4.4	Object-Oriented Testing Methods,	Chalk & Board, Animation	18/9/17	1.1	
13	Module 4	L4.5	Test Cases and the Class Hierarchy,	Chalk & Board, Animation	25/9/17	1.1	
14	Module 4	L4.6	Testing Process—An Overview,	Power point presentation, Chalk & Board	25/9/17	1.1	
15	Module 6	L6.1	Introduction to Formal Specification Languages	Power point presentation, Chalk & Board	9/10/2017	1.1	
16	Module 6	L6.2	Object Constraint Language (OCL), Z Specification Language,	Power point presentation, Chalk & Board	9/10/2017	1.1	
17	Module 6	L6.3	Distributed software engineering	Power point presentation, Chalk & Board	16/10/17	1.1	
18	Module 6	L6.4	Serviceoriented architecture,	Power point presentation, Chalk & Board	16/10/17	1.1	
19	Module 6	L6.5	Embedded software, Aspect-oriented software engineering,	Power point presentation, Chalk & Board	23/10/17	1.1	
20	Module 6	L6.6	Introduction to DevOps, Docker,Github.	Chalk & Board, Animation	23/10/17	1.1	
Remark: Course:		Syllabus Coverage:		Practice Session:			
No. of (lectures planned)/(lecture taken): 20							