

Curriculum Planner

(Department of Computer Science)

Course: GENERIC

Semester: IV

Paper: Software Engineering

Teacher Name :- Sushil Malik

S No	Topic	Reference	Schedule(Aproximate)
1	<p>Introduction to Software Engineering: Challenges-Scale-Quality and Productivity-Consistency and Repeatability-Change, Software Engineering approach-Phased Development Process-Managing the Process</p> <p>Assignment</p>	[1] Chapter 1 (complete)	January
2	<p>Software Process: Desired characteristics-Predictability-Maintainability-Change supportive-Early Defect Removal, Software Process models: Waterfall model-Prototyping-Iterative-Timebox, Comparison of the models.</p> <p>More Software Processes: Project Management Process-Inspection Process-Configuration.</p> <p>Management Process: Requirements change management process-Process management process.</p> <p>Assignment</p>	[1] Chapter 2 (complete)	February
3	<p>Software Requirement Specification (SRS): Need for SRS-Requirement process, Problem Analysis using UML (Unified Modelling Language) and Data dictionary, Characteristics of SRS, Components of an SRS.</p> <p>Quizzes</p>	[1] Chapter 3(3.1-3.5)	March
4	<p>Testing: Psychology of testing -Error, Fault and Failure-Black box testing-Boundary value analysis, Testing Process-Levels of Testing.</p> <p>Test, Revision, Doubt solving</p>	[1] Chapter 10(10.1.1,10.1.4,10.2(introduction) 10.2.2,10.4-10.4.1)	April

Reference Books

1. PankajJalote,An Integrated approach to software engineering (Third edition), Narosa, 2003
2. Roger S. Pressman ,Software Engineering (Sixth edition) , Tata McGraw Hill,2009