PANIPAT INSTITUTE OF ENGINEERING AND TECHNOLOGY PANIPAT
DEPARTMENT OF CYBER SECURITY
LESSON PLAN

Subject:Software Engineering   **Subject code:** PC-CS-CYS-207A

Semester: 3rd

No.	Lec No	Topics to Be covered	Mode of Teaching
1	L 1	Software & Software Engineering: Introduction &Characteristics	**White Board**
2	L 2	Software crisis : Factors & Remedies	**Smart Board**
3	L 3	Software engineering paradigms : Classical Waterfall Model	**White Board**
4	L 4	Software engineering paradigms : Iterative Waterfall Model	**White Board**
5	L 5	Prototype Model	**Smart Board**
6	L 6	Software engineering paradigms : Spiral Model	**Smart Board**
7	L 7	Planning a software project	**Smart Board**
8	L 8	Software cost estimation	**White Board**
9	L 9	Project scheduling	**White Board**
	L 10	Personal planning , Team structure	**White Board**
	L 11	Software configuration management : Introduction	**Smart Board**
	L 12	Project Monitoring	**White Board**
	L 13	Risk Management	**White Board**
	L 14	Software requirement analysis- Classification, Structure Analysis	**Smart Board**
	L 15	Object Oriented Analysis , Data Modeling	**Smart Board**
	L 16	Software requirement Specification &validation	**Smart Board**
##	L 17	Design and implementation of software : Software design fundamentals	**White Board**
	L 18	Design methodology :Structured design	**White Board**
	L 19	Design methodology :Object Oriented design	**White Board**
	L 20	Design Verification, Monitoring and Control coding	**Smart Board**
	L 21	Software Reliabilities: Metric and specification	**White Board**
	L 22	Module Coupling and Cohesion	**Smart Board**
	L 23	LOC ,Cyclomatic Complexity	**Smart Board**
	L 24	COCOMO Model	**Smart Board**
	L 25	Software Quality Assurance	**White Board**
	L 26	Testing – Testing fundamentals, Test Cases	**White Board**
	L 27	White Box Testing Strategies	**White Board**
	L 28	White Box Testing Strategies	**Smart Board**
	L 29	Black Box Software Testing Strategies	**White Board**
	L 30	Black Box Software Testing Strategies	**White Board**

	L 34	Maintenance: key Issues	Smart Board
	L 35	Types Of Software maintenance	Smart Board
	L 36	Cost Of Maintenance, Software Re-Engineeringcycle	Smart Board

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