LESSON PLAN

NAME OF FACULTY: MRS. SUMAN CHAUDHARY

DISCIPLINE: COMPUTER ENGINEERING

SEMESTER: 5th

SUBJECT: SOFTWARE ENGINEERING

LESSON PLAN DURATION: 14 WEEKS

WORK LOAD (LECTURE): LECTURES-3

WEEK	LECTURE DAY	TOPIC	PRACTICAL DAY/PERIOD	TOPIC
		THEORY		**PRACTICAL**
1st	1	**UNIT 1 Introduction to Software Engineering** Concept of systems: Types of systems : open, closed, static and dynamic systems.	NA	NA
	2	Introduction, Programmes v/s Software Products	NA	NA
	3	Emergence of Software Engineering- Early Computer Programming,	NA	NA
2nd	1	High-level Language Programming, Control flow based Design	NA	NA
	2	Data Structure Oriented Design	NA	NA
	3	Object Oriented Design	NA	NA
3rd	1	**UNIT 2 Software Life Cycle Models** Requirement of Life Cycle Model	NA	NA
	2	Classic Waterfall Model,	NA	NA
	3	Prototyping Model	NA	NA
4th	3	Evolutionary Model	NA	NA
	1	Spiral Model	NA	NA
	2	Introduction to angle methodology	NA	NA
5th	1	Comparison of different Life Cycle Models	NA	NA
	2	**UNIT 3 Software Planning** Responsibilities of Software Project Manager	NA	NA
	3	Metrics for Project Size Estimation-	NA	NA
6th	1	LOC(Lines of Code)	NA	NA
	2	Function Point Metric	NA	NA
	3	Project estimation Techniques- Using COCOMO Model.	NA	NA
7th	1	**UNIT 4 Requirement Analysis and Specification** Requirement gathering and Analysis	NA	NA
	2	Software Requirement Specifications(SRS)	NA	NA
	3	Characteristics of good SRS	NA	NA
8th	1	**UNIT 5 Software Design and Implementation** Characteristics and features of good	NA	NA

		Software Design Cohesion		
	2	Characteristics and features of good Software Design Cupling	NA	NA
	3	Software design Approaches- Function Oriented Design	NA	NA
9th	1	Data flow diagrams	NA	NA
	2	Data dictionary	NA	NA
	3	Decision Trees and tables	NA	NA
10th	1	Object Oriented Design	NA	NA
	2	Structured Coding Techniques	NA	NA
	3	Coding Styles	NA	NA
11th	1	Documentation	NA	NA
	2	**UNIT 6 Software Testing** Concept of Testing	NA	NA
	3	Verification v/s Validations	NA	NA
12th	1	Unit Testing	NA	NA
	2	Black Box Testing	NA	NA
	3	White Box Testing	NA	NA
13th	1	Integration testing	NA	NA
	2	System testing	NA	NA
	3	Configuration management	NA	NA
14th	1	**REVISION**	NA	NA
	2	**REVISION**	NA	NA
	3	**REVISION**	NA	NA