

Lesson Plan

Name of the Faculty:		Dr. Tajinder Kumar	
Discipline :		BCA	
Semester :		4th	
Subject :		Software Testing	
Work Load (Lecture/Practical) per week (In hours) :		Lecture - 4	
S.No.	Lecture No.	Theory	
		Topic(Including Assignment/Test/Quiz)	Pedagogy (PPT/Chalk and Board/Video Recording /Activity/Case Study)
1.	L1	Definition of Software Testing and its Role	Chalk and Board
2.	L2	Terms: - Failure, Error, Fault, Defect, Bug	Chalk and Board
3.	L3	Goals of Testing	Chalk and Board
4.	L4	Principles of Testing	Chalk and Board
5.	L5	Software Testing Life Cycle	Chalk and Board
6.	L6	Verification and Validation: - V-testing Life cycle	Chalk and Board
7.	L7	Revision of Unit -1	Chalk and Board, PPT
8.	L8	Class Test	On Paper
9.	L9	Types of Testing	Chalk and Board
10.	L10	Black Box Testing: Overview: What is & When?	Chalk and Board
11.	L11	Techniques : Boundary Value Analysis	Chalk and Board
12.	L12	Equivalence Class Testing	Chalk and Board
13.	L13	Decision Table White Box Testing : What is white box Testing	Chalk and Board
		Assignment -1	On Paper
14.	L14	Need of white box Testing	Chalk and Board
15.	L15	Classification	Chalk and Board
16.	L16	Structural : Coverage, Path testing	Chalk and Board

17.	L17	Revision of Unit – 2	Chalk and Board , PPT
18.	L18	Class Test	Oral Test
19.	L19	Levels of Testing : Unit Testing : Overview	Chalk and Board
20.	L20	Integration Testing	Chalk and Board
21.	L21	Techniques: Graph based & Path based	Chalk and Board
22.	L22	Functional Testing	Chalk and Board
23.	L23	System Testing : Overview,	Chalk and Board
24.	L24	Categories: Reliability Security Performance Recovery	Chalk and Board
25.	L25	Acceptance Testing : Overview	Chalk and Board
26.	L26	Types of Acceptance Testing	Chalk and Board
27.	L27	Revision of 3 rd Unit	Chalk and Board, PPT
28.	L28	Class Test	Oral Test
29.	L29	Test Planning	Chalk and Board
30.	L30	Preparing a Test plan	Chalk and Board
31.	L31	Scope management	Chalk and Board
32.	L32	Decide Test Approach	Chalk and Board

		Assignment - 2	On Paper
33.	L33	Setting Up Criteria for Testing	Chalk and Board
34.	L34	Identifying responsibilities	Chalk and Board
35.	L35	Staffing, training needs	Chalk and Board
36.	L36	Resource requirements	Chalk and Board
37.	L37	Test deliverables	Chalk and Board
38.	L38	Testing Tasks	Chalk and Board
39.	L39	Revision of 4 th Unit	Chalk and Board, PPT
40.	L40	Class Test	Oral Test
41.	L41	Doubt from Any Unit	Chalk and Board