

Lesson Plan

Name of Faculty : Ms Sonam, Assistant Professor CSE
Class : Computer Science & Engineering
Semester : 8th
Subject : Software Testing & Quality Assurance Lab (CSE-412-P)
Lesson Plan Duration : 15 weeks (from March-2023 to JULY-2023)
Work Load(Lecture/Practical) per week (in hours): Lectures-03hours, Practical-02hours

Week	Theory/ Practical (Group-I/ II)		Topic Covered Date and Remarks		
	Practical Day	Topics/ Programs	Date	HOD	Director-Principal
1 st	1	Write a program to count the number of digits in a number. Its input is any number from interval [0, 9999]. Design the boundary value analysis test cases and robustness test cases.			
2 nd	2	Write a program to calculate cyclomatic complexity			
3 rd	3	Consider a program to perform binary search and generate the test cases using equivalence class testing and decision table based testing.			
4 th	4	Write a program to determine whether a number is even or odd. Draw the program graph and DD path graph. Find the independent paths.			
5 th	5	Consider the program for classification of a triangle. Consider all variables and generate possible program slices. Design at least one test case from every slice.			
6 th	6	Consider the problem statement of a University Student Registration System. Prepare the software requirement checklist with the details of faults in the given SRS.			
7 th		VIVA VOCE 1st			
8 th	7	Write a program to generate, minimize and prioritize test cases using any programming language/Matlab Tool/Software Testing tool.			
9 th	8	Write the outline of test plan document as per IEEE Std 829-1998..			
10 th	9	One assignment to be done in groups			