Lesson Plan

Name of Faculty   :   **Ms Varsha Rani, Assistant Professor**
Class   :   **Computer Engineering**
Semester   :   **7th**
Subject   :   **Software Testing Lab (CSE-412-P)**
Lesson PlanDuration: **15 weeks (from APRIL-2022 to JULY-2022) 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**
1st	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.			
2nd	2	Write a program to calculate cyclomatic complexity			
3rd	3	Consider a program to perform binary search and generate the test cases using equivalence class testing and decision table based testing.			
4th	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.			
5th	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.			
6th	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.			
7th		**VIVA VOCE 1ST**			
8th	7	Write a program to generate, minimize and prioritize test cases using any programming language/Matlab Tool/Software Testing tool.			
9th	8	Write the outline of test plan document as per IEEE Std 829-1998..			
10th	9	One assignment to be done in groups			