**List of Programs**

**Software Testing Lab**

1. Write a program to find the minimum in three numbers input by the user and write test cases for the program using,
2. Boundary Value Approach
3. Worst Case Approach
4. Robust Approach

Execute the test cases for each scenario and update the program. Run the test cases again.

2. Write a program to calculate value of n variables in the equation, anxn + an-1xn-1 +......+ a0 =0,

1. Write program to generate test cases using Boundary Value Approach
2. Write program to generate test cases using Worst Case Approach
3. Write program to generate test cases using Robust Approach.

3. Generate a DD path for roots of a quadratic equation, calculate the cyclomatic complexity, generate test cases and execute them. Also compute the program graph.

4. Write a program to input graph matrix and find the independent paths.

5. For library management system generate the following,

1. Use Cases
2. Use Case Diagram
3. Basic and Alternate Flow
4. Test cases for each Use Case

6. Design test cases for various operations using data base testing.

7. Perform an experiment on Mutation Testing,

1. Change the access modifier from private to public
2. Change static modifier
3. Change argument modifier
4. Change the operator
5. Change the numeric value of operands
6. Calculate the mutant score

8. Prioritize test cases for a given program,

1. Editing the line
2. Detecting the line

9. Perform OO testing using State Chart testing.

10. Work on testing scripts in Cillaneum.

11. Provide a report about two automated testing tools.

12. Prepare a checklist for code review,

1. Document
2. SRS