UNIVERSITY INSTITUTE OF ENGINEERING

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

(Software Testing-CST-375)

ASSIGNMENT – 2

1. What is Load and Stress Testing? Explain key performance indicator of software testing and write the steps to create KPI Indicator.

2. Write a short note given below terms with respect to White box Testing

   a. Statement Coverage   c. Branch Coverage,
   b. Test of Conditions   d. Path Coverage.

3. Explain the different type's approaches to software testing and what the benefits and limitations of each approach. Explain Steps to create Software policy on requirements gathering, design, implementation, testing, and deployment.

4. What is Boundary Value Analysis (BVA)? How is important in software testing? And explain dynamic testing. How it is different from black box testing?

5. Write a note on:-
   a. Defect Removal Efficiency.
   b. Define structure group examination is used in Static Testing.
   c. What is test environment?
   d. Define positive testing and negative testing.
   e. What are defects and failures in terms of test metrics?

NOTE:-

1. Each question carries 2 Marks.
2. High plagiarism can result into cancellation of assignment.
3. Try to explore you answer with diagrammatic view as well as creative thinking.
4. Assignment must be written on **A4 size white blank** sheet.
5. Don't use chat Gpt/Bing AI/ any other AI tool.