



**DELHI TECHNICAL CAMPUS  
GREATER NOIDA**  
*Affiliated to GGSIPU and approved by AICTE & COA*



## **Assignment 4**

### **Instructions:**

- All questions are compulsory to attempt.
- Assignment must be submitted in handwritten manner in separate notebook.
- Submit the assignment on or before (Mentioned date).
- Marks will be deducted and analysed as per the submission dates. At late submission marks will be deducted.

**Subject: Software Engineering**

**Subject Code CIC-309**

**Class: B.Tech CSE 5<sup>th</sup>**

**Faculty Name: Dr. Archana Sharma**

**Date of Issue: 22 November 2023**

**Date of Submission: 4<sup>th</sup> December 2023**

1	Describe the software testing and its importance in the development process.	CO4	L2
2	Compare the different types of software testing techniques	CO4	L3
3	Justify the role of regression testing and its significance in Software Engineering	CO4	L4
4.	Evaluate the importance of test cases in the software testing process.	CO4	L5
5	Assess the risks involved in software testing and propose mitigation strategies.	CO4	L4
6	Analyze the advantages and disadvantages of automated testing.	CO4	L4
7.	Why is software maintenance important? Justify Your answer?	CO4	L4
8.	Describe the challenges faced during software maintenance?	CO4	L2
9.	Develop a sample decision Table and Decision Tree?	CO4	L6