



**GALGOTIAS UNIVERSITY**  
**SCHOOL OF COMPUTING SCIENCE AND ENGINEERING**

**Software Testing & Quality Assurance**

**Course Code: E2UC502T**

**Max. Marks : 15 (7.5 marks each)**

**Target Group: Section 7 and 22 only**

**Faculty Name : Dr. Azath Hussain**

**IA2 Assignment Questions**

1. Design Test Cases for Galgotias University ERP, Traffic controller and University Management System. While designing consider the following:
  - a) Main Objectives of Test is to find the defects in ERP, Traffic Controller and University Management System.
  - b) Test Case for ERP
  - c) Test Cases for Traffic Controller
  - d) Test Case for University Management System
2. Write the program to implement the quicksort algorithm - path testing. Determine the basis paths and using them derive different test cases, execute these test cases and discuss the test results. Draw the path graph, DD graph and find the Cyclomatic Complexity.

**Points to Remember:**

- ✓ **Students should only submit handwritten reports (hard copies), through your Class Representatives only.**
- ✓ **Don't copy from others; if caught, both will receive a zero.**
- ✓ **Students are expected to submit their work by January 14th, 2024. Late submissions will not be reviewed, and you will receive zero points.**

**Assignment Date:**

**Given Date : 08/01/2024**

**Due Date : 14/01/2024**

\*\*\*\*\***Best of Luck**\*\*\*\*\*