



VIT[®]
Vellore Institute of Technology
(Deemed to be University under section 3 of UGC Act, 1956)

Vellore – 632014, Tamil Nadu, India

SCHOOL OF COMPUTER SCIENCE AND ENGINEERING

Fall Semester 2025-2026

Programme Name : B.Tech. (Core and Specialization)
Slot : L41+L42 and L27+L28
Course Name & code : Database Systems Lab & BCSE302P
Class Number : VL2025260103153 and VL2025260103156
Faculty Name : Dr. Saurabh Agrawal

Lab Assessment 4

Question 1: In your project, design and implement a stored procedure that automates a key operation (e.g., updating student grades, generating monthly sales reports, or calculating total bill amount). Explain how you used functions and cursors within the procedure to retrieve and process multiple records efficiently.

Question 2: Create a trigger in your project database that ensures data integrity (e.g., preventing deletion of a student with pending fees or updating stock quantity automatically after a new sale). Discuss how the trigger interacts with existing procedures and functions in your project to maintain consistent system behavior.