

## KCA252: DATABASE MANAGEMENT SYSTEMS LAB

### Course Outcome (CO)

### Bloom's Knowledge Level (KL)

**At the end of course , the student will be able to**

CO1	Use the Concept of Data Abstraction and Encapsulation in C++ programs.	K <sub>6</sub>
CO2	Write SQL commands to query a database.	K <sub>3</sub>
CO3	Write PL/SQL programs for implementing stored procedures, stored functions, cursors, trigger and packages.	K <sub>6</sub>

1. Installing oracle/ MYSQL.
2. Creating Entity-Relationship Diagram using case tools.
3. Writing SQL statements Using ORACLE /MYSQL:
  - a. Writing basic SQL SELECT statements.
  - b. Restricting and sorting data.
  - c. Displaying data from multiple tables.
  - d. Aggregating data using group function.
  - e. Manipulating data.
  - f. Creating and managing tables.
4. Normalization.
5. Creating cursor.
6. Creating procedure and functions.
7. Creating packages and triggers.
8. Design and implementation of payroll processing system.
9. Design and implementation of Library Information System.
10. Design and implementation of Student Information System.
11. Automatic Backup of Files and Recovery of Files.