



“ EMPOWERMENT THROUGH TECHNOLOGICAL EXCELLENCE ”
GENBA SOPANRAO MOZE COLLEGE OF ENGINEERING

Department of Computer Engineering

Academic Year 2024-25/SEM-I

Subject :Database Management Systems Lab [310246]

Class & Division: TE [A &B]

List of Experiments

Sr. No	Title of Experiments
Group A: SQL and PL-SQL	
1	SQL Queries : Design and Develop SQL DDL statements which demonstrate the use of SQL objects such as Table, View, Index, Sequence, Synonym, different constraints etc
2	Write at least 10 SQL queries on the suitable database application using SQL DML statements.
3	SQL Queries - all types of Join, Sub-Query and View: Write at least 10 SQL queries for suitable database application using SQL DML statements.
4	Write a PL/SQL code block to calculate fine for a library book by accessing borrower information from the database.
5	Write a PL/SQL code block to study and implement stored procedure and function for displaying the result of a student based on the grade obtained.
6	Write a PL/SQL code block to create a parameterized cursor for copying contents of one table into another by avoiding redundancy.
7	Write a PL/SQL code block to create triggers on the Library table to keep track of updation and deletion of records.
8.	Write a PL/SQL code block to calculate the area of a circle for a value of radius varying from 5 to 9. Store the radius and the corresponding values of calculated area in an empty table named areas, consisting of two columns, radius and area.
9	Write a PL/SQL block of code that will merge the data available in the newly created table NEW_BRANCHES with the data available in the BRANCH_MSTR. If the data in the first table already exists in the second table then that data should be skipped.
Group B: MongoDB	

10	MongoDB Queries: Design and Develop MongoDB Queries using CRUD operations. (Use CRUD operations,SAVE method, logical operators etc.)
11	MongoDB - Aggregation and Indexing: Design and Develop MongoDB Queries using aggregation and indexing with suitable example using MongoDB.
12	MongoDB - Map reduces operations: Implement Map reduces operation with suitable example using MongoDB.

Practical In-charge
(Prof. Kalyani Zore)

HOD
(Prof. Sai Sudha Dorabala)