

SCSA2301	DATABASE MANAGEMENT SYSTEMS LAB	L	T	P	Credits	Total Marks
		0	0	4	2	100

COURSE OBJECTIVES

- To instill sound understanding on the fundamentals of DBMS.
- To lay a formal foundation on the relational model.
- To introduce the basic concepts of SQL as a universal database language.
- To understand the necessity for normalization.
- To formulate problem statements for real life problems.

SUGGESTED LIST OF EXPERIMENTS

1. Data Definition Language(DDL).
2. Data Manipulation Language(DML).
3. Data Control Language(DCL).
4. Constraints and Built-in functions.
5. Joins and Group-by functions.
6. PL/SQL programs using functions.
7. PL/SQL programs using procedures.
8. PL/SQL programs using triggers.
9. Developing GUI applications using PHP.
 - Student Information System.
 - Inventory Management.
 - Payroll Processing.

COURSE OUTCOMES

On completion of the course, student will be able to

- CO1 - Understand, appreciate and effectively explain the underlying concepts of database technologies.
- CO2 - Populate and query a database using SQL DML/DDL commands.
- CO3 - Declare and enforce integrity constraints on a database.
- CO4 - Retrieve data from multiple tables.
- CO5 - Programming PL/SQL including stored procedures, stored functions, triggers.
- CO6 - Design and build a GUI application using PHP.