(CS623) ADVANCED DATABASE MANAGEMENT SYSTEMS LAB

Objective of the Course :

*   * *This lab work will enhance database handling, data manipulation and data processing skills through SQL & PL/SQL, which will help them in developing data centric computer applications.*

Week 1&2 Familiarization of the MySQL database – creation and manipulation of tables. (6 Hours)

Week 3&4 Analyze a given situation, develop an ER model and convert the ER model to Relational model. (6 Hours)

Week 5&6 Implement the database using MySQL and manipulate the tables using SQL commands. (6 Hours)

Lab Course Project :

Week 7&8 Course project topic selection , developing an ER model and converting ER model to a Scheme diagram   (6 Hours)

Week 9   Developing a data flow diagram for the problem specification. (3 Hours)

Week 10&11 Implementation of front end pages. (6 Hours)

Week 12&13&14 Implementation of server side pages and verifying the normalization (9 Hours)

Week 15   Testing the constraints and project (3 Hours)

Week 16   Submission and evaluation of project

REFERENCE BOOKS :

1. Elmasr, Navathe, *'Fundamentals of Database Systems',* 4th ed., Pearson Education
2. Reghu Ramakrishnan*, Databse Management Systems,* McGrawHill