21CS407PC	DATABASE MANAGEMENT SYSTEMS LAB	L	T	P	C
		0	0	3	1.5

CO-REQUISITES:

- Database Management Systems.

COURSE OBJECTIVES

- Introduce ER data model, database design and normalization
- Learn SQL basics for data definition and data manipulation

COURSE OUTCOMES: After Completion of the course, student will be able to

CO1: Design database schema for a given application and apply normalization

CO2: Acquire skills in using SQL commands for data definition and data manipulation.

CO3: Develop solutions for database applications using procedures, cursors and triggers

LIST OF EXPERIMENTS

1. Concept design with E-R Model
2. Relational Model
3. Normalization
4. Practicing DDL commands
5. Practicing DML commands
6. Querying (using ANY, ALL, IN, Exists, NOT EXISTS, UNION, INTERSECT, Constraints etc.)
7. Queries using Aggregate functions, GROUP BY, HAVING and Creation and dropping of Views.
8. Triggers (Creation of insert trigger, delete trigger, update trigger)
9. Procedures
10. Usage of Cursors

TEXT BOOKS:

1. Raghurama Krishnan, Johannes Gehrke, Database Management Systems, Tata McGraw Hill, 3rd Edition, 2014
2. Silberschatz, Korth, Database System Concepts, McGraw Hill, 7th edition, 2021.

REFERENCE BOOKS:

1. Peter Rob, Carlos Coronel, Database Systems design Implementation and Management, 7th Edition, 2006.
2. Elmasri Navrate,Fundamentals of Database Systems, Pearson Education, 7th edition 2016
3. C.J. Date, Introduction to Database Systems, Pearson Education, 8th edition, 2006.
4. S. Shah and V. Shah, Oracle for Professionals, The X Team, SPD, 2008.
5. Shah, Database Systems Using Oracle: A Simplified guide to SQL and PL/SQL, PHI, 2nd edition, 2002
6. M. L. Gillenson, Fundamentals of Database Management Systems, Wiley Student Edition, 2011