DATABASE MANAGEMENT SYSTEMS LAB

COURSE CODE: 20CA3111 **L T P C**

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COURSE OUTCOMES:

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

CO1: Apply data definitions and data manipulation commands.
CO2: Learn the use of nested and join queries.
CO3: Apply functions, procedures and procedural extensions of data bases
CO4: Familiarize with the use of a front-end tool.
CO5: Design and implement the typical database applications.

1. Data Definition Commands, Data Manipulation Commands for inserting, deleting, updating and retrieving Tables and Transaction Control statements
2. Database Querying – Simple queries, Nested queries.
3. Sub-queries, Joins and Views
4. Database Programming: Implicit and Explicit Cursors
5. Procedures and Functions
6. Triggers
7. Exception Handling
8. Database Design using ER modeling, normalization and Implementation for any application
9. Database Connectivity with Front End Tools
10. Case Study using real life database applications

TEXT BOOKS:

1. RaghuRamakrishnan, Johannes Gehrke, "*Data base Management Systems"*, 3rd Edition, TATA McGrawHill, 2008.
2. Silberschatz, Korth, "*Data base System Concepts"*, 6th Edition, McGraw Hill, 2010.
3. C.J.Date, "*Introduction to Database Systems"*, 7th Edition, Pearson Education, 2002.

REFERENCES:

1. Peter Rob & Carlos Coronel, *"Data base Systems design, Implementation, and Management"*, 7th Edition, Pearson Education, 2000.
2. ElmasriNavrate, *"Fundamentals of Database Systems"*, 5th Edition, Pearson Education, 2007.