

Approval: 1st convocation adhoc

Course Name: Introduction to Database
Course Code: CS 204
Credit: 3-0-0-3
Category:
Prerequisites: None

Course contents:

Introduction, ER model, Relational model & algebra, Relational calculus, SQL, File organisation&indexing, Dependencies & normalization, Database tuning, Transactions, concurrencyand recovery, Case studies and Advanced topics

Text books:

1. R. Elmasri& S.B. Navathe, "Fundamentals of Database Systems", 5th ed., Pearson, 2008.
2. P. Sreenivasa Kumar, NPTEL lecture notes on databases.
3. Baron Schwartz et al. "High Performance MySQL: Optimization, Backups, Replication, and More", 2nd ed., O'Reilly Associates, 2008