



Code	Subject Title	Cr. Hrs	Semester
COMP-104	Computer Lab-II	1	II
Year	Discipline		
1	Statistics-II		

1. Database Implementation

- a. Using access
- b. Creating relations
- c. Forming attributes and fields
- d. Selecting record by using query
- e. Command introduction
- f. DBMS introduction in market

2. SQL

- a. Structured query language of relational DBMS
- b. Data definition language (DDL)
- c. Data manipulation Language (DML)
- d. DCL

3. DBMS Usage:

- a. How to switch among database management systems
- b. Similarities and dissimilarities of DBMS
- c. Interacting querying, updating, manipulating DBMS
- d. Maintenance of Database Management System

4. Queries

- a. Introduction of query
- b. Writing query
- c. Sub query
- d. Joins and queries

5. Practical Issues:

- a. Database connectivity and its issues (ODBC)
- b. Two tier and thee tier architecture issues
- c. Business rules and constraints and implementation in DBMS
- d. DBA

Recommended Books:

1. Discovering Computers by Shelly Cashman, Computer application in business by Dr. Liaqat
2. Peter Norton's Introduction to Computers, 6/e
3. Microsoft Office 2003: The Complete Reference by Jennifer Kettell, Guy Hart-Davis and Curt Simmons
4. Computer Fundamentals (Paperback) by P. K. Sinha
5. Discovering Computers 2008: Living in a Digital World, Fundamentals (Shelly Cashman Series) by Gary B. Shelly and Misty E. Vermaat