CSIS05I _Database II
Weekly Plan

Week	Lectures (Topics & Reading)	Lab
Week 01	Module Intro + DB file organization, ordered, and unordered file of records	Revision on SQL basis of DB1
Week 02	Retrieving Data from storage + Intro. for Index Structure for File	• Create Index • Create Composite index • Use Stored Procedure to get Info. about index • Drop Index • Exercise Questions for Practice
Week 03	Different Indexing Techniques	• Create Clustered/non clustered • Create Unique/non-Unique Index • Exercise Questions for Practice
Week 04	Hashing techniques	• Creating Views • Replace Views • Alter Views • Drop Views • Exercise Questions for Practice
Week 05	Query Processing and Optimization	• Creating Trigger • Creating DDL on Triggers • Disabling/Enabling Trigger • Trigger on Views
Week 06	DB Tuning and Physical design issues	• View Trigger • Removing trigger /List of all triggers • Trigger on views • Exercise Questions for Practice

Week 07	Introduction to Transaction Processing Concepts and Theory	• Introduction to Complex queries • Different examples on operators (IN,Exists..)
Week 08	Protocols for concurrency control in database. (Part 1)	• Advanced Complex queries examples • Aggregate functions, nested queries
Week 09	Protocols for concurrency control in database. (Part 2)	• Introduction to SQL Stored procedures • Simple stored procedures
Week 10	Database recovery protocols.	• Advanced SQL Stored Procedures examples. • How to call stored procedures?
Week 11	Serializability	• Functions • Examples on Functions • How to execute Functions?
Week 12	Database security and authentication, Emerging database technologies and applications	Advanced SQL functions examples.