

DEPARTMENT OF COMPUTER SCIENCE				CLASS: II B.Sc. Computer Science				
Sem	Course Type	Course Code	Course Title	Credits	Contact Hours/week	CIA	Ext	Total
IV	Add-on course		Database Design using Microsoft Access	2	2	50	50	100

**COURSE OBJECTIVES :**

- Course designed to impart the knowledge of Creating Database using MS-Access software
- Creating Development skill in the design of DB tables with Relations and Query applications.

Units	Database Design using Microsoft Access	Total Hours: 30 hrs	K-Levels
Unit -I	An introduction to Database Development: The Database Terminology of Access – Relational Databases – Access Database Objects – A Five-Step Design Method	6 hrs	Up to K2
Unit-2	Creating Access Tables: Getting Started with Access – Creating a Database – The Access 2010 Environment – Creating a New Table – Designing Tables: Using the Design Tab – Working with Fields – Assigning Field Data types – Changing a Table Design	6 hrs	Up to K3
Unit-3	Setting the Primary Key – Printing a Table Design – Saving the completed Table – Adding records to a Database Table	6 hrs	Up to K3
Unit-4	Selecting Data with Queries: Introducing Queries – Creating a Query – Adding Fields – Displaying the Recordset – Working with Fields – Changing the Sort Order – Displaying only the selected records – Saving a Query	6hrs	Up to K4
Unit-5	Using Operators and Expressions in Access: Introducing Operators – Using Operators and Expressions in Queries – Entering Single Value Field Criteria – Using Multiple Criteria in a Query – Entering Criteria in Multiple Fields – Working with Datasheet View	6 hrs	Up to K4

**Textbook:**

Microsoft Access 2010 Bible, Michael. R. Groh,, Wiley Publishing Inc, 2010.

**Books for Reference:**

Access Solutions Tips, Tricks and Secrets from Microsoft Access MVPs, Arvin Meyer, Douglas J. Steele

Microsoft Access 2010 Inside Out, [Jeff Conrad, John L. Viescas](#), 1 st edition, The Microsoft Press Store, 2010

Access Data Analysis Cookbook, Ken Bluttman, Wayne S Freeze, O'Reilly Media Inc, 2007.

Access Essentials, Humphrey M L, 2020.

**Web Resources:**

<https://www.pdfdrive.com/download-ms-access-tutorial-pdf-version-e33405612.html><https://www.youtube.com/watch?v=57jBdK3YVJo><https://www.tutorialspoint.com/ms-access/index.htm><https://www.youtube.com/watch?v=1XTXv1V3-ag><https://www.guru99.com/ms-access-tutorial.html>

**Course Designer(s):**

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