ADVANCED DBMS LAB

Course Type	Course Code	Name of the Course	L	T	P	Credit
DP	NMSC_526	Advanced DBMS-Practical	0	0	2	1

Course Objective

The practical course provides a hands-on experience on designing databases for various business applications.

Learning Outcome

Students will learn how to use and design databases.

Unit No	Topics to be covered	Lecture hours	Learning Outcomes
1	Accessing the database, Basic, intermediate, and advanced SQL, Introduction to Python database toolbox.	6	This unit will help students to learn how to access the database, Basic, intermediate and advanced SQL, and Python database toolbox.
2	Introduction to Git, Database access from a programming language, Database metadata access from a programming language.	6	This unit will make students learn about Git, Database access from a programming language, Database metadata access from a programming language.
3	Create a webpage connected to a database server, create functions to generate HTML.	6	Students will learn how to Create a webpage connected to a database server and Create functions to generate HTML.
4	Term projects: self-conceived or assigned by the instructor, Presentation of the term projects.	10	Students will do some projects related to implementation of DBMS in Data Analytics as assigned by the instructor.
	TOTAL	**28**	

Textbooks

1. Korth, Silberschatz and Sudarshan. Database System Concepts, McGraw Hill, 6th Edition, 2011.

Reference books

1. P. O'Neil, Morgan Koffman. Database: Principles, Programming, Performance, 3rd Edition, 1997.
2. J. D. Ullman. Principles of Database and Knowledgebase Systems, Computer Science Press, 1988.