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Item No-



RayatShikshanSanstha's

Karmaveer Bhaurao Patil College, Vashi

Sector-15- A, Vashi, Navi Mumbai - 400 703

(Autonomous)

Department of Physics

SKILL BASED COURSE

FOR T. Y. B. SC.

'SQL DEVELOPERS'

1. NAME OF THE COURSE: - **SQL (Structured Query Language)**

2. OBJECTIVES OF THE COURSE:

- The primary objective of this course is to acquire basic concepts, principles, and techniques of SQL that will help students To Do CRUD (Create, Read, Update, Delete) Operations with Databases that helps Software to Store its Data.
- Students will learn about the Principles of RDBMS (Relational Database Management Systems)
- Students will learn about different Types Of Languages (DDL,DML,DRL,DCL)
- Students will learn how to Create Tables and Views To Store Data
- Students will be exposed to the Knowledge of different types of Joins
- Students will learn about the Study of Making Groups Of Data And Applying Conditions On Groups

3. Course Duration: 30 Hrs.

4. Intake Capacity: 25 students

6. Duration: 5 weeks

7. Evaluation Pattern:

- a) Industrial Visit (Visit & Report): 50 Marks
- b) Theory exam: 50 Marks

8. Course taken by: Deepali Shinde

SYLLABUS: SQL DEVELOPERS

Module No.	Topics	No. of Hours
I	Basic Concepts Of RDBMS (Introduction to SQL): Retrieving Data Using The Sql Select Statement, Restricting And Sorting Data, Using Single Row Functions, Conversion Functions And Conditional Expressions, Reporting Aggregated Data Using The Group Functions.	06
II	DDL (Data Defination Language): Displaying Data From Multiple Tables Using Joins Part-1, Displaying Data From Multiple Tables Using Joins Part-2, DDL Statements Part-1 and DDL Statements Part-2. Using Subqueries To Solve Queries.	06
III	DML (Data Manipilation Language): Manipulating Data Part-1, Manipulating Data Part-2.	06
IV	DRL (Data Retrieval Language): Retrieving Data By Using Sub Queries Part -1, Retrieving Data By Using Sub Queries Part -2.	06
V	DCL (Data Control Language): Creating Other Schema Objects Part-1, Creating Other Schema Objects Part-2, Controlling User Access Part 1, Controlling User Access Part 2, Managing Schema Objects Part 1, Managing Schema Objects Part 2.	06

Course Outcomes:

- Understand the Principles of RDBMS (Relational Database Management Systems)
- Students get acquainted with different Types Of Languages (DDL,DML,DRL,DCL)
- Understand how to Creat Tables And Views To Store Data
- Acquire the Knowledge of different types of Joins
- Understand how to Make Groups Of Data And Apply Conditions On Groups.