



## RCETCSCC03 – SQL

### Course outcomes:

- Write complex SQL queries to retrieve information from databases with many tables to support business decision making.
- Write SQL DDL to create, modify and drop objects within a relational database.
- Retrieve and store information in a relational database using SQL in a multi-user, web based environment.

### Syllabus:

#### UNIT I

##### Overview

SQL Process- SQL Commands-Data Definition language –Data Manipulation, Data Control Language, Data Query Language - SQL RDBMS Concepts- SQL RDBMS Databases- SQL Syntax- SQL Operators- SQL Expressions- SQL CREATE Database

#### UNIT II

##### Data Retrieval Overview

Select Query- Distinct- Alias- Order By- Wildcard In Select List- Computed Column-Where Clause Comparison- Like Operator- Between Operator- Propositional Logic

#### UNIT III

##### Join Operations

Join Queries- Join Operator- Multi Table Joins- Outer Joins- Grouping- Grouping Having Clause – Sub queries In Clauses – Correlated Sub queries – Special Functions – Union Intersect Minus

### Reference Text Books:

1. Programming Microsoft SQL Server 2012 by Leonard Lobel, Andrew Brust.