

# **SQL BASICS**

**DURATION:- 15 hrs (Weekdays / Weekends)**

## **DATA DEFINITION LANGUAGE**

- **Relational Database Management System (RDBMS) Introduction**
- **Normalization in RDBMS**
- **Create Database Objects (Tables)**
- **Delete Database Objects (Tables)**
- **Alter Database Objects (Tables)**
- **Create, Alter and Delete Constraints**
- **Data Types in SQL**
- **Creating Views**

## **DATA MANIPULATION LANGUAGE**

- **Insert record/data in table**
- **Modify/update the existing data**
- **Retrieve data from a single table**
- **Truncate statements**
- **Sorting and Filtering**
- **SQL Wildcard**
- **CASE expressions**
- **Delete data from tables**

## **RETRIEVING DATA FROM MULTIPLE TABLES**

- **Types of joins**
- **Self Join**
- **Inner Join**
- **Left Join**
- **Right Join**
- **Cross Join**

## **INBUILT FUNCTIONS IN SQL**

- **Use of built-in functions**
- **Use of Group by commands**
- **Use of having commands**
- **Conversion functions**
- **Logical Functions**
- **Math Functions**
- **Aggregate Functions**
- **String Functions**
- **Date Functions**