**About Oracle Training**

Oracle is made up of a set of processes running in your operating system. These processes manage how data is stored and how it is accessed. Oracle is a program that is running in the background, maintaining your data for you and figuring out where it should go on your hard drive.

**Programme Outcome:**

**Introduction to Oracle Database**

    Basic of relational database

    Different types of SQL statements

**SQL SELECT Statement**

    List the capabilities of SQL SELECT statements

    Select All Columns

    Select Specific Columns

    Arithmetic Operators and Operator Precedence

**Restrict and Sort Data**

    Describe WHERE clause

    Comparison operators and logical operators

    Describe ORDER BY clause

**Single-Row Functions**

    Differences between single row and multiple row functions

    String manipulation functions

    Describe ROUND, TRUNC, and MOD functions

    Arithmetic with date

    Manipulate dates with the DATE functions

**Conversion Functions and Conditional Expressions**

    Describe TO\_CHAR and TO\_DATE functions

    Handle NULL values

    Use conditional IF THEN ELSE logic in a SELECT statement

**Group Functions – Aggregate the data**

    Describe the use of the aggregation functions

    Describe GROUP BY clause

    Describe HAVING clause

**Joins – Get data from multiple tables**

    Access data from more than one     table

    Type of joins – Self joins, Outer joins, equi joins

**Sub-queries**

    Describe the types of problem that sub-queries can solve

    Describe sub-queries

    List the types of sub-queries

    Explain single-row and multiple-row sub-queries

**SET Operators in Oracle**

    Describe the SET operators

    Control the ordering

**Data Manipulation Statements**

    Describe different type of DML statement

    Describe INSERT statement

    Describe UPDATE statement

    Describe DELETE statement

    Describe COMMIT and ROLLBACK statements

    Explain read consistency

**DDL Statements - Create and Manage Tables**

    Categorize the main database objects

    Review the table structure

    List the data types

    Add constraints to the table

**Schema Objects in Oracle**

    Simple and Complex view

    Retrieve data from views

    Explain Sequences

    Explain Indexes

    Explain Synonyms

**Control User Access**

    Type of privileges - system privileges and object privileges

    Describe Users and Roles

    Grant System Privileges

    Grant Object Privileges

    How to pass on privileges

    Revoke Object Privileges

**Schema Objects management**

    Add, Modify, and Drop a Column

    Add, Drop, and Defer a Constraint

    Enable and Disable a Constraint?

    Flashback

**Data Dictionary Views**

    Data dictionary - Overview

    USER\_OBJECTS and ALL\_OBJECTS Views

    Query the dictionary views for constraint information