

## Database Technology

Duration: **48 Hrs.**

### Course Highlights:

- Database Concepts
- Database Design and Architecture
- Database Key Concepts
- ER-Diagram
- Normalization and Dependencies
- SQL Types, Operator
- Writing Basic SQL SELECT Statements
- Restricting and Sorting Data
- FETCH clause to limit the rows
- Virtual column
- Single-Row Functions
- Displaying Data from Multiple Tables
- Direct Joins for update and Delete
- Aggregating Data Using Group Functions
- GROUP BY and HAVING clause
- Grouping sets expression
- ROLLUP, CUBE and GROUPING\_ID
- Merge Statement
- Subqueries
- Creating and Managing Tables
- Manipulating Data, Locking
- Including Constraints
- Creating Views
- Sequence, Synonyms
- Index and Clustering
- Commit, rollback, savepoint
- Controlling User Access
- Using SET Operators
- Data Import Export
- Programming in PL/SQL
- PL/SQL Program Structure
- Exception Handlers
- Data Retrieval using Cursor
- Procedures, Functions, Parameters
- Packages
- Triggers

### Final Project

*Above mentioned topics will be covered in detail during training sessions.*