ASPIRE TECHNOLOGY

ISO 9001: 2015 Certified Training Institute

DW- ETL Informatica

Duration: 80 hours   **Batches: Weekdays/ Weekend**

Introduction To Database

- Importance of SQL in Informatica
- Basics of RDBMS, Constraints
- Operators in SQL
- Data Types in SQL Statements (DDL, DML, TCL)
- How to create a user and give DBA permission's
- Grouping and group by functions
- System defined functions in SQL
- Sub Queries in SQL Joins
    - Cartesian Join
    - Inner Join
    - Outer Join
    - Left outer join
    - Right outer join
    - Full outer join
- Normalization in Database
- Set Operators in SQL
- Index in SQL
- Views in SQL

Introduction to Data Warehouse

- Data Warehouse
- Data Mart

- OLAP VS OLTP
- Data Warehouse Architecture (Basic)
- Data Warehouse Architecture (with a Staging Area)
- Dimensional Modeling
- Top Down Vs Bottom Up Approach
- Star Schema
- Snowflake Schema
- Surrogate key Concept
- Operational Data Store (ODS)
- Dimension
- Fact
- Slowly Changing Dimension
- Hierarchy
- Confirmed Dimension
- Fact less Fact
- Summary / Aggregations table
- Change Data capture

Informatica ETL Tool

Power Center Components

- Designer
- Repository Manager
- Workflow Manager

- Workflow Monitor

Informatica Concepts and Overview

- Informatica Architecture
- Source Qualifier
- Target Qualifier
- Transformations
- Mappings
- Mapplets
- Sessions
- Tasks

Sources

- Working with relational Sources
- Working with Flat Files

Targets

- Working with Relational Targets
- Working with Flat file Targets

Transformations

- Expression
- Lookup
- Sequence Generator
- Filter
- Joiner
- Sorter
- Procedural
- Route
- Aggregator

- Active and Passive Transformations
- Update Strategy
- Data Concatenation
- Debugging Mappings

Mappings & Mapplets

- Mapping Variables & Parameters
- Creating Cubes & Dimensions
- Working with Mapping Wizards

Workflow Manger

- Server Architecture
- Workflows, Worklets & Sessions
- Tasks, Assignments, Events, Command etc,

Performance Tuning

- Informatica Tuning
  - Source
  - Target
  - Mapping
  - Session
- Oracle Tuning
  - Indexes
  - MV
  - Explain plan
  - Tkprof
  - SQL Hints