

# **ASPIRE TECHSOFT**

**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

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

### **Introduction to Data Warehouse**

Data Warehouse  
Data Mart

### **Informatica ETL Tool**

#### **Power Center Components**

Designer  
Repository Manager  
Workflow Manager

**Informatica Concepts and Overview**

Informatica Architecture  
Source Qualifier  
Target Qualifier  
Transformations  
Mappings  
Maplets  
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 & Maplets**

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