INFORMATICA / DWH / SQL / UNIX – COURSE CONTENT

Target Audience	*Informatica* is intended for any of the following audience. 1) Fresh Graduates 2) Less than 1 year of experience in Informatica or other DWH tools and wish to further renew his/her skills. 3) Experienced Business Users who have been working or want to work extensively in Data Warehousing using Informatica. 4) Experienced professionals in IT Industry who want to switch their technology to data warehousing / ETL 5) Graduates already trained in some other technologies and unable to find a suitable job
Why Informatica?	***Informatica etl tool is market leader in data integration and data quality services.*** Informatica is successful ETL and EAI tool with significant industry coverage. Informatica etl tool "power center" has capability to manage, integrate and migrate enterprise data. **Why Informatica Etl tool Doing well?** Easy training and tool availability has made easy resource availability for software industry; where else other ETL tools are way behind in this aspect. This definitely helps organization in reducing training costs. Moreover forming a new team for this tool is not as challenging as others. Prerequisites for Learning INFORMATICA: 1) Basic knowledge of SQL (Also covered during training) OR 2) Basic Programming Knowledge
What Our Trainer will provide you?	1) Basics of SQL 2) Informatica Power Center Training 3) 100% Practical Training 4) Real time project scenerios 5) Referral to MNCs
Trainer	Trainer has more than 5 years of experience in ETL – Informatica, Unix, PL/SQL in MNC and has trained multiple batches in companies as well as outside. Under expert supervision and practical training approach you will be able to prove yourself in ETL industry as an expert.
Course Duration	1) 1.5-2 months – **Weekend Batch** (Saturday & Sunday 2-3 hours classes per day) 2) 20-25 days – **Fastrack Course** (4-5 classes per week, daily 1-2 hour class)

Course Content:

DATAWAREHOUSE - INTRODUCTION & CONCEPTS

Datawarehouse - An Introduction and its Architecture

OLTP v/s OLAP Databases

Data Marts and its types, Data Mart vs DWH

Source Data, Staging Data and target Data, ODS (Operational Data Storage), OLAP

Dimensional Data Modeling and its types

Dimension Tables, Fact tables and its Characteristics, Factless Fact Tables, Types of Facts

Primary Key, Surrogate Key, Foreign Key differences

Slowly Changing Dimensions and its types (Concepts and implementation)

Normalization & Denormalization

Materialized View (Materialized view vs View)

INFORMATICA-ETL CONCEPTS (EXTRACTION, TRANSFORM, LOAD)

Informatica – Architecture, Overview, Basic definitions.

Components of Informatica Power Center, Informatica Repository Manager

Designer Tool and Architecture of Designer Tool

Flat File and types of Flat files, Database

INFORMATICA CLIENT TOOL SPECIFICATIONS:

Designer Tool Overview

Defining sources and targets (relational as well as flat file)

Using Transformations with different scenarios

TRANSFORMATIONS , MODES AND TYPES OF TRANSFORMATION

Connected/Unconnected, Active/Passive Transformations

Source Qualifier Transformation, Application Source Qualifier

Expression Transformation, Aggregator Transformation

Filter Transformation, Sorter Transformation

Rank Transformation, Joiner Transformation

Lookup, Sequence Generator, Union, Update Strategy

Normalizer, Transaction Control Transformation

Stored Procedure, Router Transformation

Mapplet Input Transformation, Mapplet Output Transformation

Creating Sessions, Scheduling Sessions

Monitoring Sessions for Data Loading

Troubleshooting Data Loading Errors.

Overview of Workflow Manager, Workflow Manager Tools

Tasks and types of tasks (Command, Decision, Assignment, Event Wait, Event Raise) with Examples

Export and Import Objects of Informatica

MISCELLANEOUS TOPICS

Incremental Aggregation, Target Load Plan,

Push Down Optimization, CDC, MD5()

Performance Tuning – Target, Source, Session, Mapping

Scheduling WF`s

Scenerio based questions

SQL BASICS

DDL, DML, DCL (Select, Insert, Update, Delete, Rollback, Commit, Savepoint)

Primary Key, Foreign Key relationship, Oracle commands and Functions used in Informatica.

Joins, Subquery, Corelated subquery

PL/SQL Basics

Stored Procedures, Constraints, Indexes etc

UNIX –Basics of Shell programming

What is Unix?

Looking into files, Ownerships and Pemissions

Filters and Pipings

Vi Editor

Shell Programming

INTERVIEW PREPARATION

- Scenario based questions discussion - Everyday
- FAQs
- Telephonic/ Face to Face interview preparation
- Live Project description / Architecture
- Doubt Sessions
- More than 500+ interview questions will be discussed during training sessions.