DATA WAREHOUSING & INFORMATICA COURSE DETAILS

40 + hrs Teaching

20 + hrs Lab

15-20 hrs Real-time Project

Data Warehousing Concepts
• Dataware housing (what is Dataware housing /Why Dataware housing/How Dataware housing)
• Slowly Changing Dimensions (SCD1, SCD2, SCD3)
• Metadata
• Dimensional Table
• Types Of Dim Tables
• Fact Table
• Types of Fact Tables
• OLTP (OnLine Transaction Processing)
• OLAP (Online Analysis And Processing)
• OLTP Vs OLAP
• Advantages of OLAP
• Different Methodologies of DWH

PowerCenter Components and User Interface
• Informatica PowerCenter Architecture
• Informatica PowerCenter Client Tools
• Start Using of the Designer, Workflow Manager and Workflow Monitor

Source Qualifier
• Source Qualifier Transformation
• SQL override in source qualifier transformation
• Source qualifier transformation joins concept
• Source qualifier transformation on Relational Databases
• Source qualifier transformation on File systems
• Source qualifier transformation filter concepts
• Difference Between SQL Override, Other Options
• Source Qualifier Transformation Performance Tunning
• Pre SQL and Post in Source Qualifier Transformation

Expression, Filter, File Lists and Workflow Scheduler
• Expression Editor
• Filter Transformation
• File Lists
• Workflow Scheduler
• Lab – Load the Customer Staging Table and Real time issues

Joins, Features and Techniques I

- Joiner Transformation
- Shortcuts
- Lab A – Load Sales Transaction Staging Table
- Lab B – Features and Techniques I and Real time issues

Lookups and Reusable Transformations
- Lookup Transformation
- Reusable Transformations
- Lab A – Load Employee Staging Table
- Lab B – Load Date Staging Table and Real time issues

Debugger
- Debugging Mappings
- Lab – Using the Debugger

Sequence Generator
- Sequence Generator Transformation
- Lab – Load Date Dimension Table and Real time issues

Lookup Caching, More Features and Techniques
- Lookup Caching
- Lab A – Load Promotions Dimension Table
- Lab B – Features and Techniques II
- Review and more Lab Activities and Real time issues

Router, update Strategy and Overrides
- Router Transformation
- Update Strategy Transformation
- Expression Default Values
- Source Qualifier Override
- Target Override
- Session Task Mapping Overrides
- Lab – Load Employee Dimension Table and Real time issues

Dynamic Lookup and Error Logging
- Dynamic Lookup
- Error Logging
- Lab – Load Customer Dimension Table

Unconnected Lookup, Parameters and Variables
- Unconnected Lookup Transformation
- System Variables
- Mapping Parameters and Variables
- Lab – Load Sales Fact Table

Sorter, Aggregator and Self-Join

- Sorter Transformation
- Aggregator Transformation
- Active and Passive Transformations
- Data Concatenation
- Self-Join
- Lab – Reload the Employee Staging Table and Real time issues

SCD type1 – Hands-On LAB
SCD type2 – Hands-On LAB

SCD type3 – Hands-On LAB

Mapplets

- Mapplets
- Lab – Load Product Daily Aggregate Table
- Review and more Lab Activities and Real time issues

Workflow Variables and Tasks
- Link Conditions
- Workflow Variables
- Assignment Task
- Decision Task
- Email Task
- Lab – Load Product Weekly Aggregate Table

More Tasks and Re-usability
- Event Raise Task
- Event Wait Task
- Command Task
- Reusable Tasks
- Reusable Session Task
- Reusable Session Configuration

Worklets and More Tasks
- Worklets
- Timer Task
- Control Task