

DATA WAREHOUSING

Duration: - 60 Hrs (2 Months)

INTRODUCTION TO DATA WAREHOUSING

- Data warehouse concept
- Data warehouse Architecture
- OLAP, ROLAP & MOLAP
- Star schema, star flake schema and snow flake schema
- Normalization and De-normalization

DIMENSIONAL MODEL (STAR SCHEMA) FOR DATA WAREHOUSE

- Defining Dimensions and measures
- Defining levels and Hierarchies
- Granularity of Data
- Introducing snow flake schema
- Dimension table and fact tables
- Two case studies.

DATABASE DESIGN AND MODELING

- Entity-Relation model(E-R model) for transactional database
- Normalization of entities
- Modeling logical E-R model using ER Win tool
- Application of Business Rules
- Constraints, triggers, Domains, Back-end programs, etc.
- Two case studies

ETL (EXTRACT, TRANSFORM & LOAD) PROCESSES USING INFORMATICA

- Informatica server setup
- Repository manager: Repository creation Deletion, backup & restore
- Designer: Defining Source from RDBMS, Semi-RDBMS, Flat File, XML File, COBOL File.
- Designer: Transformation Developer for Reusable User - Defined transformation
- Designer: Data Staging.
- Server Manager: Setting up server for Repository.

OLAP & PRESENTATION USING BUSINESS OBJECT

- Supervisor: Creating repository and Supervisor
- Designer: Defining tables & columns as classes and objects
- Designer: creating and maintaining measures
- Business object: Defining Query, reports type
- Business object: Slicing & Dicing reports
- Business object: drill-down, drill-up reports
- Business object: filtering records. Grouping Records, etc.

OLAP & PRESENTATION USING COGNOS

- Impromptu Administration: Defining a Database and Setting up Catalog.
- Impromptu Administration: Generating & Formatting Flat Reports.
- Cognos PowerPlay Transformer: Generating Cubes, Manipulating Cube Properties.
- Scheduler; Scheduling Tasks for Reports, Cubes and Script.

Actuate Basic Reporting Tool

- Introduction to Actuate reporting tool
- Type of Reports
- Actuate Basic Language Classes & Objects
- Simple Report
- Group Report
- Serial Report
- Parallel Report
- IF Condition Report