

COGNOS 10.1

30 Hours

INTRODUCTION TO DATA WAREHOUSING

- Data Warehousing Concepts.
- Differences between Transaction data and Warehouse data
- Data Warehouse Architecture
- Source data, Staging data and Target data
- OLAP Types
- MOLAP,ROLAP,HOLAP
- Operational Data Store(ODS)
- Metadata and Data Mining
- Differences between Data Mart And Data Warehouse
- Schemas used In Data Warehouse
- Slowly Changing Dimensions
- Real Time Data Warehouse

DATABASE DESIGN AND DATA MODELLING

- Entity-Relational Model(E-R model) for Transactional Database
- Defining Entities and Their Relationship
- Distribution Of Attributes Under Entities
- Normalization Of Entities
- Conversion of logical model into physical model
- Modeling Logical E-R model Using Erwin Tool
- Description About Structured Query Language
- Case Studies

DIMENSIONAL MODEL FOR DATA WAREHOUSE

- Define Dimensions And Measures
- Defining Levels And Hierarchies
- Granularity Of Data
- Description About Snow Flak Schema
- Dimension table And Fact table
- Fact less Fact Table
- Additive Measures, Non-Additive And Semi-Additive
- Normalization and Denormalization
- Many-To-Many Dimension
- Case Studies

OLAP USING COGNOS 10 BI

- Introduction of Data Warehousing Process
- Detailed explanation about OLTP system
- Detailed explanation about OLAP system
- Explanation of DWH Life Cycle
- Detailed Explanation of OLAP Life Cycle
- Detailed Explanation of COGNOS 10 BI Architecture
- Explanation of OLAP Types
- Detailed Explanation of Dimensional Modeling
- Detailed Explanation STAR and SNOW FLAK SCHEMA

DEVELOPER ROLES INCLUDING

- Responsible for building database and importing databases.
- Models or application for end-users include data mart development
- Metadata and OLAP models
- Building and deployment of reports.
- Administration handling.

CREATING PACKAGE AND MODELS BY USING COGNOS 10 BI

FRAME WORK MANAGER

- Cognos 10 BI Framework Manager : Designing Metadata Models
- Description about Business ideas
- Creating relationship between Facts and Dimensions.
- Working on governors and determinants.
- Creation of package according to the business requirements
- Publishing Package

CREATIONS OF POWER CUBES USING IBM COGNOS TRANSFORMER

- Creations hierarchies and the levels
- Creation of custom views
- Working on time hierarchies
- Creating and Publishing the power cubes
- Creation of reports in analysis for cube data

GENERATING REPORTS WITH QUERY STUDIO

- Building ad-hoc reports
- Converting list to a charts
- Report administration and changing the appearance of reports
- Managing the reports

GENERATING REPORTS WITH REPORT STUDIO

- Authoring professional reports
- Authoring reports with multi dimensional data
- Working with Master-Detailed, Drill Through and Date Reports
- Working with YTD, MTD, QTD etc
- Generating reports with burst options.
- Scheduling Reports Using BI server

GENERATING REPORTS WITH ANALYSIS STUDIO

- Generating charts and multi-dimensional reports using Cognos BI suite
- Drill down and drill up process
- Publishing report analysis and review

GENERATING REPORTS WITH EVENT STUDIO

- Creating ,scheduling and managing reports
- Creating of agents and specifying event condition
- Troubleshooting on event studio.

GENERATING OF DASH BOARD USING BUSINESS INSIGHT

- Creation of end user reports using business insight
- Merging of reports according to business requirements

COGNOS BI ADMINISTRATION AND USER CREATION WITH PRIVILEGES