



Noble Software Consulting *IT Training*

COGNOS 8 COURSE OVERVIEW

This course provides a over view of the Data Warehousing and Business Intelligence.concepts and a detailed instruction on Meta Data Modeling, Reporting & Analyitcs using Cognos 8 BI (Report Studio, Query Studio, Framework Manager, Analysis Studio, PowerPlay Transformer)

COGNOS 8 COURSE OUTLINE– 35 HRS

❖ Data Warehousing Basics

1. Data warehousing Concepts
2. Data warehousing Architecture
3. Data Modeling & Multi Dimensional Modeling

❖ Cognos Web Reporting Architecture

1. Introduction to Web Reporting
2. Web Reporting Architecture
3. Cognos Web Reporting Components
4. Cognos Upfront
5. Cognos Query

❖ Introduction to Power Play Transformer

1. Multi Dimensional Model
2. Creating Dimensions & Level
3. Creating Measure / Types of Measures
4. Defining Calculated Source columns
5. Generating Categories
6. Creating power Cubes
7. Creating Custom power Cubes
8. Creating cube group
9. Generating Reports from Power Cubes

❖ **Cognos Report Net.**

1. Introduction to Cognos ReportNet
2. Architecture
3. Framework Manager
4. Metadata Modelling
5. Package Development
6. Package Import & Export
7. Query Studio
8. Report studio – Basics
9. Server Administration Environment
10. Reportnet Administration Environment
11. Report Studio – Advanced
12. Administration
13. Security

❖ **Cognos 8 BI Tools**

1. Introduction to Cognos 8
2. Types of Data sources
3. Introduction Cognos Connection
 - a. Scheduling the Reports
 - b. Distribute the Reports
 - c. Set Preferences
 - d. Organizing the Contents
4. Introduction to Report Studio
 - a. User Interface
 - b. Reports Types
5. List and Cross Tab Reports
 - a. Grouping the Data
 - b. Repeat Grouped Data
 - c. Advance Sorting and Grouping
 - d. Complex crosstab Reports
 - e. Including Specific Data in Cross Tabs
 - f. Add drill up and drill down
6. Chart Reports
 - a. Chart types
 - b. Guage Chart
 - c. Map Charts
 - d. Working with Combination of Charts.
 - e. Custom chart palettes

❖ **Filters**

- a. Filter the data
- b. Types of Filters
- c. Applying Pre-defined Source Filters

- ❖ **Prompts**
 - a. Parameters and Prompts
 - b. Prompt Types
 - c. Tree Prompt
 - d. Creating Prompt Pages
 - e. Navigating between the Prompt Pages

- ❖ **Calculations**
 - a. Query Calculations
 - b. Layout Calculations
 - c. Creating Expression Using Functions

- ❖ **Use Additional Report Building Techniques**
 - a. Sectioning
 - b. Converting a list to a cross tab
 - c. Layout Component Reference
 - d. Share Layout component across the reports
 - e. Template Reports

- ❖ **Conditional Formatting**
 - a. Change displays based on Conditions.
 - b. Define the Conditions
 - c. Types of Variables
 - d. Highlight exceptional results in cross tabs
 - e. Conditionally render Objects.

- ❖ **Exchange Report Layout**
 - a. Page structure.
 - b. Add pages and page breaks
 - c. Add book marks

- ❖ **Drill Throughs**
 - a. Package Drill through definitions
 - b. Drill through in report studio

- ❖ **Examine Queries and Query module**
 - a. Prescribe Queries and Query model
 - b. Using Query explorer
 - c. Data Aggregation
 - d. View data retrieved from datasources
 - e. Create a report within a report
 - f. Create Queries manually
 - g. Master detail relationships
 - h. Adding filters to Queries
 - i. Using Tuple Functions

- j. Using filter Functions
- k. Create Custom Queries using SQL or MDX
- l. Separate Query
- m. Set Operations
- n. Creating Joins

❖ **Bursting the Reports**

❖ **Create Advanced Reports**

- a. Filter Report using Query Macros
- b. Dynamic data items and titles
- c. Financial Reports
- d. Add Query data to the Report Page

❖ **Introduction to Event Studio**

- a. Benefits of Event Studio
- b. Process Flow
- c. Specify Event Condition
- d. Tasks
- e. Task Execution Rules
- f. Run tasks based on their status
- g. Agents
- h. Scheduling a agent
- i. Add Calculations and Prompts based on Events
- j. Update Database tasks