



**LEARN WELL
TECHNOCRAFT**

COGNOS SYLLABUS

11th year of Accomplishments



**AUTHORIZED GLOBAL CERTIFICATION CENTER FOR
MICROSOFT, ORACLE, IBM, AWS AND MANY
MORE.**

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ACHIEVEMENTS FROM TRAINING

- CANDIDATE WILL BE ABLE TO SHOW 2-3 YEARS EXPERIENCE AFTER TRAINING.
- REAL TIME SCENARIOS, CASE STUDIES, PROJECTS INCLUDED.
- REAL TIME DATA PROVIDED FOR PRACTICE.
- SOFTWARE WILL BE INSTALLED ON CANDIDATES MACHINE.
- INDIVIDUAL 1 ON 1 DISCUSSIONS FOR RESUME MODIFICATIONS.
- LEARN FROM INDUSTRY EXPERTS.
- GLOBAL CERTIFICATION PREPARATION.
- APPEAR FOR GLOBAL CERTIFICATION AT LEARN WELL TECHNOCRAFT ITSELF.
- GET DISCOUNTED CERTIFICATION VOUCHERS.
- AUTHORIZED GLOBAL CERTIFICATION CENTER FOR PEARSON, PSI, KRYTERION.

RECOMMENDED

Courses best Suited With Cognos

- **Data Analytics - R programming/Python**
- **ETL Tools - datastageInformatica/Abinitio/ODI**

Cognos Syllabus

Cognos Overview

- Cognos 8 and 10 Overview
- Cognos 8 and 10 Architecture Overview
- Web based User Interface
- Windows Based user interface
- Cognos Gateways and Servers
- IBM Cognos 8 and 10 components
- Capabilities of Cognos BI

Cognos Connection Overview

- Cognos Connection details
- Creating Models and Packages
- Use published reports
- Specify run and view report options
- View the run history of a report
- Specify properties of an entry
- Organize content
- Schedule single and multiple reports
- Customize report outputs by using report views
- Demo 1: introduction to IBM Cognos Connection

EXAMINE QUERY STUDIO

- List the packages types available for reporting
- Understand report types
- Open ad hoc reports
- Add data to ad hoc reports
- Save ad hoc reports
- View data by using charts
- Create ,sort and group adhoc report
- Add calculations to adhoc reports
- Display data graphically with charts
- Filter data in adhoc report
- Filter a data using prompt
- Demo 1: explore IBM Cognos query studio

EXAMINE REPORT STUDIO

Examine the interface

Explore report templates

Explore report types

Demo 2: explore IBM Cognos 8 report studio

Examine list reports

- o Format list columns
- o Group data
- o Data aggregation

Focus reports using filters

- o Detail filters
- o Summary filters

Crosstab reports

- o Add measures to crosstab reports
- o Create complex crosstab reports
- o Format Crosstab Reports
- o Discontinuous Crosstab
- o Handle Reports With No Data

Present DATA GRAPHICALLY

- o Different CHART REPORTS
- o Customize CHARTS REPORT
- o Format CHART REPORT

Focus Reports Using Prompts

- o Examine Parameters And Prompts
- o Identify Different Prompt Types
- o Create A Prompt Page
- o Create A Cascading Prompt

Extend Reports Using Calculations.

- o Add Run-Time Information
- o Add Calculations To A Report
- o Display Prompt Selection In Report Titles
- o Page Break

Conditional Formatting

- o Change Displays Based On Conditions
- o Apply Formatting To Object Based On Condition Value
- o Highlight Exceptional Data
- o Conditionally Render Objects In Reports

Drill-Through From One Report To Another

Create A Master Detail Reports.

Create A Simple Dashboard

EXAMINE ANALYSIS STUDIO

Define Dimensions, Levels, And Items

Examine Relative Time Items

Define Measures

Define Sets

Selection Based Sets

Demo 2: Explore IBM Cognos

Demo 3: Explore IBM Cognos Analysis Studio

Data Modeling Concepts

Framework Manager

Creating Project

Adding data Source Connection

Physical Layer Design

Business Layer Design

Presentation layer Design

Multi-dimensional Design Overview

Cube Design

Transformer Overview

Cube Design using Transformer

Rollup, Time Dimension

Special Categories

EXAMINE EVENT STUDIO

Improve Business Performance

Identify The Event Studio Process Flow

Add A Task

Specify The Task Execution Rules

Schedule An Agent

Demo 1: Explore Event Studio

OVERVIEW OF COGNOS ADMINISTRATION.

- **Note: There will be practical sessions for almost every topic mentioned above in the syllabus.**

Data warehousing Syllabus

Evolution of Datawarehousing - History

The need of Datawarehousing

What is Datawarehousing – The Definition

1. Subject -Oriented
2. Integrated
3. Non – Volatile
4. Time Varying

Datawarehousing Architecture

- o Data Source Layer
- o Data Extraction Layer
- o Staging Layer
- o ETL Layer
- o Data Storage Layer
- o Data Logic Layer
- o Data Presentation Layer
- o Metadata Layer
- o System Operation Layer

Dimension table

Fact table

- o Additive Facts
- o Semi Additive Facts
- o Non – Additive Fact
- o Cumulative
- o Snapshot

Attribute

Hierarchy

Types of Schema

1. Star Schema
2. Snow Flake Schema
3. Fact Constellation Schema

Slow Changing Dimension

1. SCD1 – Advantages/ Disadvantages
2. SCD2 – Advantages/ Disadvantages
3. SCD3 – Advantages/ Disadvantages

OLAP and OLTP

-Difference between OLAP and OLTP

- Types Of OLAP

- o Multi-Dimensional (MOLAP)
- o Relational(ROLAP)
- o Hybrid(HOLAP)

Also Available

- Internships - Paid / Free
- Internship certifications on successful completion
- Final year College Projects on Latest Skills
- Special Project batches
- College Seminars