

SAP BUSINESS OBJECTS COURSE CONTENT

❖ **INTRODUCTION:**

- Datwarehouse concepts
- Difference between Versions 5.x/6/5/XI R1, R2, R3
- Business objects XIR3 Suite
- Extendibility of Business objects XIR3 (Introduction to BO- SAP Intergration / Dashboard / Xcelsius / Query as Web Service)
- Role of Business objects in Data warehousing real time life cycle.

❖ **DESIGNER:**

- Understanding how universes allow users to query databases using their everyday business terms
- Creating an ODBC connection to the course database
- Creating a universe
- Populating the universe structure
- Defining joins in a universe
- Understanding classes and objects
- Creating classes and objects
- Understanding measure objects
- Working with LOVs in Designer
- Creating a cascading LOV
- Resolving loops using aliases
- Resolving loops using shortcut joins
- Resolving loops using contexts
- Resolving chasm traps
- Resolving fan traps
- Restricting the data returned by objects
- Using @ Functions
- Working with hierarchies
- Using derived tables
- Creating links between universes
- Setting access restrictions on a universe
- Documenting universes
- Deploying and maintaining universes

❖ **ADVANCED DESIGNER:**

- Use your universe design and Business Objects Universe Designer knowledge to solve Business problems
- Define aggregate awareness
- Apply aggregate awareness to objects
- Combine database functions in objects
- Construct relative data-time objects
- Create complex predefined conditions
- Work with advanced LOVs
- Work with advanced join syntaxes
- Define connection and user credential parameters
- Work with Central Management Server (CMS) universe security
- Move content from development to production
- Maintain universe design
- Work with OLAP universes

❖ **DESIGNING TOPICS WE CAN SHOW BY USING FOLLOWING DATABASES:**

- Oracle
- Ms-Access
- SqlServer
- TeraData
- External Files (Flat files)
- SAP BW

❖ **DESKTOP INTELLIGENCE:**

- Introduction to desktop intelligence
- Report Creation
- Publishing the report
- Report conversation (desktop) to (Webi)

❖ **WEBI REPORTING:**

- Accessing information with Web Intelligence
- Understanding how universes allow you to query database using everyday business terms
- Understanding Web Intelligence core functionalities
- Creating a document in the Web Intelligence Rich Client
- Viewing a Web Intelligence document in Info View
- Building a simple query
- Modifying a document query
- Working with query properties
- Restricting data with query filters
- Modifying a query with a predefined query filter
- Applying a single-value query filter
- Using prompts to restrict data
- Using complex filters
- Working in the Report Panel
- Displaying data in tables and charts
- Using breaks and cross tabs
- Formatting break, calculations, and report filters
- Formatting breaks and cross tabs
- Using default and custom sorts
- Ranking data to see top or bottom values
- Using alerter to highlight information
- Organizing a report into sections
- Copying data to other applications
- Preparing document for PDF and print
- Document formatting
- Formatting charts
- Understanding formulas and variables
- Understanding how Web Intelligence calculates data
- Creating formulas and variables to calculate data
- Adding a new query using a personal data provider
- Creating multiples queries in a document
- Synchronizing data with merged dimensions
- Analyzing the data cube
- Drilling into the data
- Setting Web Intelligence drill options
- Exporting documents from the Rich Client
- Accessing Info View

- Managing documents in Info View
- Scheduling a Web Intelligence document
- Setting Info View preference

❖ **ADVANCED WEBI REPORTING:**

- Using combined queries
- Using sub-queries
- Creating a query based on another query
- Changing data sources
- Understanding the impact of the query drill on performance
- Understanding calculation contexts
- Redefining calculation context
- Using character string functions
- Using the replace () function
- Using the right () function
- Using the Substring () function
- Using the Pos () function
- Using If () to group data
- Using data tracking
- Using additional report function
- Understanding the options for creating hyperlinks in Web Intelligence
- Creating hyperlinks in the different Web Intelligence interfaces

❖ **WEBI RICH CLIENT:**

- Web Intelligence Rich Client general preferences
- To create a new document in Web Intelligence Rich Client without Universe
- To select a universe in Web Intelligence Rich Client
- How does Web Intelligence generate combined queries?
- Scope of analysis
- Levels of scope of analysis
- To set the scope analysis

❖ **QUERY AS WEB SERVICE:**

- Usage of Query as web service
- How to configure and use
- Viewing the Universe and Webi reports using web service
- Viewing the Crystal XCelsius reports using web service

❖ **INTRODUCTION TO DASHBOARD:**

❖ **CREATING DASHBOARDS:**

❖ **CONTENTS:**

- What is Dashboard Builder?
- Creating an Analytic based on a Universe Query
- Creating a Corporate Dashboards folder
- Creating a pie chart based on sales of product lines
 - o Selecting data for the pie chart
 - o Saving your pie chart
- Creating a bubble chart that compares product line sales to Revenues
 - o Selecting data for the bubble chart
 - o Saving your bubble chart
- Scheduling an Analytic Refresh

- Scheduling a refresh on your bubble chart
- Designing a Corporate Dashboard
 - Analytics in dashboards
 - Set the dashboard preferences
 - Creating a dashboard
 - Add a text analytic to the dashboard
- Creating a speedometer gauge that shows profit margins
 - What is a speedometer?
 - Getting Started Creating Dashboards
 - Selecting the data for the speedometer
- Creating a dashboard tab that contains analytics
- Creating a dashboard sub tab with web page and viewer analytics
 - Creating a sub tab
 - Adding a web page analytic to the sub tab
 - Adding a viewer to the dashboard sub tab

❖ **DATA SOURCE MIGRATION:**

- Migrating reports and data sources
- Migration options
- Modifying the migration setting

❖ **IMPORT WIZARD / REPORT CONVERSATION:**

- Using Import wizard
- Creating of BIAR
- Migrating the BO objects from one CMS to another CMS
- Migrating the objects from one domain to another (dev/stage/Prod)

❖ **PUBLISHING:**

- Publish the Webi report between different CMS
- Publish the converted reports (deski to webi) to destination servers
- Publishing the repository objects

❖ **CMC/CCM/CMS:**

- Introduction of Window and web based Central management in BOXIR3
- Roles and responsibilities of Contents of CCM/CMS/CMC
- When to use CCM/CMS/CMC
- Detail description of contents of CCM/CMS/CMC
- Case study

❖ **BO-SAP INTEGRATION:**

- Understanding common interfaces between BOXIR3 and SAP
- Installation and Integration methods
- Bring the SAP environment in to BOXIR3 and vice versa
- Working with SAP objects in Crystal 2008 (Info cubes/SAP Table)

❖ **CRYSTAL REPORT 2008:**

- Introduction to Crystal Reports
- Creating Reports
- Selecting Records
- Organizing Data on Reports
- Formatting & Section Formatting
- Creating basic and complex formulas

- Using Variables and Arrays
- Using Report Templates
- Applying Conditional Reporting
- Building parameterized and specialized reports
- Summarizing Data with Cross Tabs
- Using Report Sections
- Representing Data Visually
- Managing Reports
- Distributing Reports
- Using Repository and Repository data sources
- Report Processing
- Using sub Reports
- Using Custom Functions
- How to Publish Crystal Report in Bo-Enterprise Portal
- Scheduling

❖ **CRYSTAL XCELSIUS:**

- Understanding crystal xelsius
- Creating templates
- Building query template in xelsius
- Creating scorecard and dashboard using xelsius

❖ **BO-VOYAGER:**

- Understanding Voyager
- Creation of personal and corporate voyager
- Publishing the voyager
- Importing cubes in voyager & Report Development

❖ **BO-ADMINISTRATION:**

- Computer setup
- Business Objects Enterprise Architecture
- Creating Folders, Users and groups
- Publishing and configuring the servers
- Scheduling