Program Name		SAP Business Objects 4.x – Universe Design, Webi and Dashboards	
Duration	10 Days	Participant Profile	DWH Project Manager, Project Lead, Technical Architect, Business Analyst ,Report Developer, Dashboard Developer
Trainer	Srikanth Addagiri		

Course Topics:

1. **Basics of SAPBO**

   o Introduction to SAP Business Objects Business Intelligence
   o SAP BI 4.0 Products and SAP BI 4.0 Architecture

2. SAP Business Objects Business Intelligence Platform.
   o SAP Business Objects Business Intelligence Platform
   o SAP Business Objects Business Intelligence Platform Architecture

3. Installation and Configuration
   o Installing SAP Business Objects Business Intelligence platform Server-Side installation
   o Installing SAP Business Objects Business Intelligence platform Client-Side installation

4. Server Administration and Management
   o Using the central management console (CMC)
   o Using the central configuration manager (CCM)
   o Difference between CMC & CCM

5. Managing the web application servers
   o Managing the web application servers

6. Managing the central management server databases
   o Managing the central management server and system databases
   o Managing Auditing

7. **Universe Design**

   o What is the information design tool?
   o Work with Projects
   o Create a local project

- About shared projects
- Create a local project and retrieving a published Universe
- Create the data foundation
- Create a database connection
- Create a data foundation
- Define joins in a data foundation
- Create a business layer
- Create folders and objects
- Create measure objects
- Resolve Loops Use aliases
- Resolve Loops Use contexts
- Define data restrictions
- Work with LOVs
- Use Parameters restrict data
- Use @functions also Aggregate Awareness
- Create Derived Tables and Index Awareness

8. **Sourcing Data From SAP HANA**

- Connecting to SAP HANA
- Importing SAP HANA Model into IDT
- Using SAP HANA Variables in IDT
- Creating Business Layer on SAP HANA Data Foundation

9. **Web Intelligence**

- BI Launch pad what's new
- Customizing BI Launch Pad
- Creating web intelligence documents with queries
- Restricting Data Returned by Query
- Report Design in the Java Report Panel
- Enhancing the presentation of the reports
- New features of Webi
- Deski Compatability Pack (DCP) with Demo
- Synchronizing Data
- Drilling
- Filtering Data
- Alerts
- Input Controls
- Scheduling
- Data Refresh
- Sharing webi documents

10. Dash Boards

- o Data Connectivity Overview
- o Creating Dashboards using various types of connections Using various controls for presenting data in Dashboards
- o Creating Your First Query as Web service
- o Create a Dashboard from data stored in a Microsoft Excel Spreadsheet sourced through Web Intelligence
- o QAWS Connectivity
- o Universe Connectivity
- o Web service query Web service connection
- o Live office connection
- o Working with various dashboard controls
- o Dynamic visibility
- o Map Controls

11. BO Administration

- o Managing users and Groups
- o Administering rights in SAP Business Objects Business Intelligence Platform
- o Securing your applications in SAP Business Objects Business Intelligence Platform
- o Authentication Levels (Access Levels)
- o Creating and Customizing Access Levels
- o Applying access levels to users and groups
- o Controlling authentication on various Business Objects components and applications.
- o Working with various SAP Business Objects Business Intelligence components and setting security.

    1. Inbox
    2. Folders
    3. Categories
    4. Profiles
    5. Universes Connections

12. Upgrade Management Tool

- o Using Upgrade Management Tool
- o Complete Upgrade / Incremental Upgrade
- o Upgrade Scenarios
    1. Live to Live
    2. Live to BIAR

3. BIAR to Live
- Migrating content from BO 3.x to 4.x
- Objects Selection
- Managing Dependencies

13. LCM
- Using Promotion Management
- Promoting content between environments
- Creating jobs
- Scheduling Jobs

14. SAP Explorer

- Using SAP Explorer
- Sourcing Data from BO Universe
- Sourcing Data using MS-Excel Spread Sheets
- Creating Information Spaces
- Creating Facets
- Creating Measures
- Indexing Information Spaces
- View information space (slice / dice)
- Export results
- Integrating Explorer with SAP HANA
- Data exploration using SAP HANA Models