



Noble Careers & Associates

SAP e-Learning

SAP- BI/BW COURSE OVERVIEW

In the BW/BI course, you will learn how SAP's Business Intelligence solution allows you to convert data into valuable information through hands on practices backed by extensive study material. Through the Data Warehousing Workbench, practice Data Modeling, Data Acquisition and the new Transformation Procedures, to name a few. Also, discover how Integrated Planning of BI has revolutionized and eased the decision-making process.

SAP- BI/BW COURSE OUTLINE

Enterprise Data Warehousing

Introduction

- ❖ General Introduction.
- ❖ SAP introduction.
- ❖ Data warehousing/ BW/ BI Introduction
- ❖ Master data; Attributes, Texts, and Hierarchies.
- ❖ Standard Naming conventions in SAP and BI

Data Modeling

- ❖ Creating InfoObjects: Characteristics
- ❖ Creating InfoObjects: Key Figures
- ❖ Creating DataStore objects
- ❖ Creating InfoCubes
- ❖ Creating InfoSets
- ❖ Creating MultiProviders

Metadata and Document Management

- ❖ Installing BI Content

Defining extraction

- ❖ For SAP source systems: Maintaining DataSources
- ❖ Or for files: Creating DataSources for File Source Systems

Defining transformations

- ❖ Creating transformations

Defining data distribution:

- ❖ Using the data mart interface
- ❖ Creating open hub destinations

Defining the data flow:

- ❖ Creating data transfer processes
- ❖ Creating process chains

Scheduling and monitoring:

- ❖ Checking process chain runs
- ❖ Monitor for extraction processes and data transfer processes

Performance optimization:

- ❖ Creating the first aggregate for an InfoCube
- ❖ Using the BIA index maintenance wizard

User management:

- ❖ Setting up standard authorizations
- ❖ Defining analysis authorizations

BI SUITE: Business Explorer

BEx Query Designer

- ❖ Queries: New queries, Restricting Characteristics, Formulas and Exception Cells
- ❖ Query Design: Defining Exceptions, Conditions, Restricted and Calculated Key Figures
- ❖ Variables: The Variable Wizard, Variable Types and Processing Types, query Properties
- ❖ Component Properties: Properties of Characteristics, Attributes, Structure, Formula, Key Figures

- ❖ Structures: Creating Re-usable structures
- ❖ Functions on BW Server: Copying queries between Cubes, Deleting Query Elements

Web Application Designer

- ❖ WAD: Functions of WAD, Web Items Window, Template Window, Properties Window
- ❖ Web Applications: Creating Web Applications, Settings, Stylesheets, Symbols and Properties
- ❖ Design: Designing the Layout of Web Templates, working with Library for Web Items
- ❖ Web Items: Tables, Filters, Checkboxes, Dropdown Box and other web items and their attributes

Activities

- ❖ BEx Analyzer
- ❖ BEx Web Application Designer
- ❖ BEx Report Designer

BI Platform

- ❖ Information Broadcasting
- ❖ Functions of the Broadcaster: Precalculating and Exporting into Enterprise Portal
- ❖ User Guide: Distributing Queries and Web Templates, Scheduling Broadcasting Settings
- ❖ Example Scenarios: Monthly Sales Reports, Ad-hoc Distribution Options.

OLAP

- ❖ OLAP v OLTP: The OLAP Concept and differences between OLAP and OLTP
- ❖ OLAP Functions: Aggregation, Currency Translation, Report-to-Report Interface
- ❖ MetaData Repository: Searching for MetaData

Advanced Topics

Hot Bonus Topics:

- ❖ Overview of Planning with SEM-BPS.
- ❖ Architecture of BPS components.
- ❖ Planning Models (Planning Area, Planning Level, Planning Functions, Planning Layouts, Packages).
- ❖ Characteristic relationships, Variables.
- ❖ Data Slice
- ❖ Web Interface and Planning Folders.

Performance in depth

- ❖ Data Model for Performance: Line Item Dimensions, Navigational attributes, Time-Dependent
- ❖ BW Statistics: Query Analysis Tools, Performance Tables
- ❖ Reporting Performance: Effective query design, Line-Item, Compression, Partitioning
- ❖ Aggregates: Creating Aggregates, Finding effective aggregates
- ❖ Data Load Performance: Parallelism, Impact of Aggregates
- ❖ Partitioning: Logical Partitioning, Table Partitioning