**SAP BW ON HANA TRAINING COURSE CONTENT**

**Unit 1: Introduction**

* Evolution of HANA Landscape
* SAP HANA Basics
* SAP NetWeaver BW 4

**Unit 2: SAP HANA and Business Strategy**

* Identifying Transformational Opportunities
* Understanding Your Needs, Enterprise Needs, Data Needs
* Working with Existing Solutions: SAP HANA versus SAP NetWeaver BWA
* Does SAP HANA Replace BWA?
* Pros and Cons of BWA
* Pros and Cons of SAP HANA

**Unit 3: HANA-optimized Data Store Object and Info Cube**

* HANA-Optimized Data Store Object
* HANA-Optimized Info Cube
* Semantically Partitioned Object
* **Unit 4: SAP HANA modeling**
* Purpose of Information Modeler
* Levels of Modeling in SAP HANA
* Attribute Views
* Analytic Views
* Calculation Views
* Export & Import

**Unit 5 : MODELING of SAP BW 7.4 with SAP HANA**

* Models in SAP BW 4
* Data Extraction and Data Flow within SAP BW 4 NW 2004S
* New Data source Concept of BW 4
* Transformation in BW 4(ETL)
* DTP (Data Transfer Process)
* FROM X TO BW 7.4
* Business Content UPGRADING DATAFLOWS
* Administration of Info Cubes and Aggregates
* DSO (DATA STORE OBJECTS
* Virtual Cubes and Multi Providers

**Unit 6: Consuming HANA Models in BW**

* Virtual Provider
* Transient Provider
* Composite Provider
* DB Connect
* Importing SAP BW models in SAP HANA
* Importing HANA optimize infocubes
* Importing HANA optimize DSO Unit 7: DATA EXTRACTIONS (ETL)
* ECC Extractions Using BI BW 4 Dataflow
* Overview of 0 Extractions.
* Generic Extractions
* Business Content Extractions
* CO-PA Extractions (COST PROFITABLE ANALYSIS)
* LO-COCK PIT Extractions (LOGISTICS) Unit 8: REPORTING
* Introduction to BI Enterprise Reporting
* Navigating in Reports
* First Steps in Query Designer
* Key Figures
* CHARACTERSTICS
* Attributes
* Exceptions and Conditions Unit 09: Transporting Objects (CTO)

**NEW ENHANCEMENTS OF SAP BW 7.3, 7.4**

UNIT 1: Hybrid provider

UNIT 2: Generic delta functionalities for further types of Data Sources

UNIT 3: Hierarchies

UNIT 4:Data Transfer Process (DTP)

  UNIT 5: Open Hub Service

UNIT 6: Transformation

UNIT 7: SAP BODS (New ETL Tool of SAP) Integration

**Topics Covered MODELING**

**Unit 1: The Multi-dimensional Model in SAP BW**

* The SAP BW Star Schema Concept
* Data warehousing Workbench (DWB)
* Info Objects
* Info Cubes

**Unit2:DataExtractionand DataFlowwithinSAPBW7.4 NW 2004S**

* Dataflow
* Overview of BW 4 Dataflow
* Comparison of x and BW 7.34 Data flows
* Loading Master Data(Attributes, Texts, Hierarchies)
* Loading Transaction Data

**Unit 3: New Data source Concept of BW 7.4**

* Overview of new Datasource
* Emulation of Data source in BW 4
* Datasource Lifecycle with In BW 4 NW 2004S
* Migration of x data source to BW 7.4 data source

**Unit 4: Transformation in BW 7.4(ETL)**

* Transformation

**Unit 5: DTP (Data Transfer Process)**

* Overview of DTPS
* Trouble shooting techniques in DTPS
* Debugging ABAP routines Using DTPS

**Unit 6: UPGRADING DATAFLOWS FROM 3.X TO BW 7.4**

**Unit 7: Business Content**

* Business Content (BCT)

**Unit 8: Administration of InfoCubes and Aggregates**

* Managing Basic Cubes
* Aggregates

**Unit 9: DSO (DATA STORE OBJECTS)**

* Data Store Objects concept

**Unit 10: Virtual Cubes and Multi Providers**

* Virtual Cubes
* Multi Providers
* DATA EXTRACTIONS (ETL)
* ECC extractions using BW 4 Data flows