

# **HANA Course Content**

## **Week - 1**

### **INTRODUCTION TO SAP HANA**

- Big Data
- Big Data Analytics
- Basic Concepts
- BASICS OF IN-MEMORY COMPUTING
- Row Storage
- Column Storage
- Aggregation
- Advantages and Disadvantages
- Data Persistence
- L1,L2 and Main Memory-Delta

### **HANA OVERVIEW**

- Architecture
- Delivery model
- Sizing & Standalone
- Database for SAP BI/BW

## **Week - 3**

### **MULTIDIMENSIONAL MODELING**

- Star Schema
- Master Data
- Attributes
- key figures/facts
- Dimensions
- Pivot tables

### **SAP HANA STUDIO-LOOK AND FEEL**

- Interface views
- Perspectives
- Delivery unit
- Packages
- Schemas
- Model views

## **Week - 2**

### **SOFTWARE COMPONENTS AND REPLICATION METHODS**

- Client, Studio & Studio Repository
- Landscape Management Structure
- Host Agent
- Software Update Manager
- Hana Unfiled Installer
- Data Replication Methods for -SLT, ETL, DXZ, Log Based
- ERP USE CASES AND INTEGRATION SCENARIOS
- Basic use Case Scenarios
- Technology Platform & Operational Reporting
- Sap Products Running
- Programming Techniques

## **Week - 4**

### **MODEL CREATION**

- Attribute view
- Analytical view
- Use flat file
- Attribute view-2
- Analytical view-2
- Calculation view-graphical
- CE functions
- Decision table
- Calculation view-SQL SCRIPT
- USER
- Roles
- Analytical privileges

### **APPLICATION DEVELOPMENT**

- Native Application Basics
- Application Development Tools

# HANA Course Content

## SQL-DDL/DML

- Create Schema & table
- Insert/update data
- Create view & Sequence
- Create synonym & trigger
- SQL-PROCEDURAL STATEMENTS
- Create procedure & functions

## Week - 5

### EXPOSING AND CONSUMING DATA WITH SERVER-SIDE JAVASCRIPT

- Server-side java script(XSJS)v
- Creating an XSJS Service
- Extending the XSJS service
- Calling the XSJS from the UI
- Debugging XSJS
- REPORTING
- HANA Excel & Bo Explorer
- Universe creation-IDT
- WEBI report

### REPLICATION

- SLT
- ETL-BODS

- PROJECT EXPLORER
- Database tasks
- Single file data load of CSVs
- Authorization
- Revisiting procedures
- Debugging
- EXPOSING AND CONSUMING DATA WITH O DATA
- Exposing and Consuming Data-Architecture
- SAP ui5
- Creating a user interface with Sap ui5
- Data Services
- Creating a simple o Data Service
- Creating a complex o Data Service
- Calling on O Data Service from The User Interface