SAP HANA Course Outline

SAP HANA (high-performance analytic appliance) is an application that uses in-memory database technology that allows the processing of massive amounts of real-time data in a short time. The in-memory computing engine allows HANA to process data stored in RAM as opposed to reading it from a disk. SAP HANA allows the application to provide instantaneous results from customer transactions and data analyses.

Classroom training based on practical application of software on assignments/project after every session.

COURSE OUTLINE:

HANA Introduction

- In-Memory Computing
- Evolution of In-Memory computing at SAP
- History of SAP HANA
- HANA compare to BWA
- In-Memory Basics
- HANA Use cases

Architecture

- Hana Engine Overview
- Different HANA Engine Types
- Row Store
- Column Store
- Persistency Layer
- Business Impact of new architecture
- Backup & Recovery

Modeling

- Key Concepts in Data Modeling
- Components of HANA data model & Views
    - Analytical Views
    - Attribute views
    - Calculation Views
    - Joins
- Measures
- Filters
- Real Time Scenarios
- HANA SQL Intro
- Functions & Expressions
- Procedures

Data Provisioning

- Overview
- Trigger Based Replication
- ETL Based Replication
- Log Based Replication
- Intro to BODS 4
- Basic Data service Connection types
- Flat File upload in to HANA

Security

- Creating Users
- Creating Roles
- Privileges
- User Administration

Reporting

- Connectivity options
- Business Objects BI 4

Above is our standard course outline, please suggest if you would like to include also few topics during the training to make sure it covers all your requirements and make this course a customized course.