Microsoft Business Intelligence - MSBI Online Training (LIVE, Instructor-Led)

Training Includes: MSBI (SSRS, SSIS, SSAS)

MSBI (Microsoft business Intelligence suit)
This technology is implemented by MICROSOFT and majorly consists of tools like **SQL, SSIS, SSRS and SSAS** to full fill the customer End – End requirement related to ETL (extract transform load), Analysis part and the Reporting part.

SSIS (SQL Server Integration Services)
SSIS is the **ETL tool** of Microsoft used to Extract the data from multiple sources and apply any business logic and load into the target, wherein it has many Transformations (business rules) to process the data before loading into the Target, so that it can be used for many purposes.

SSRS (SQL Server for reporting services)
The **Reporting Services tool** is used to create the Interactive server reports or the client reports, to convert your Raw data into charts, Bars, grids etc., with all printing option, converting options (pdf, excel, word, csv etc).

SSAS (SQL Server for Analysis Services)
This **Analysis Services Tool** is used for Creating Cubes in Multidimensional / OLAP Database.

BI Introduction
- Need of Business Intelligence
- Failures of the Existing Systems
- DWH Life Cycle- DWH Architecture
- ETL and OLAP Tools
- BI Products Availability
- Microsoft BI in the Market

SQLServerIntegrationServicesDevelopment (SSIS)

Introduction to SQL Server Integration Services
- Development and Management Tools

- The Import and Export Wizard

Introduction to Data Flow
- Data Flow Overview
- Data Sources
- Data Destinations
- Data Flow Transformations

Data Sources
- Excel Source
- Flat File Source
- OLE DB Source

Data Flow Transformations
- Aggregate Transformation
- Audit Transformation
- Character Map Transformation
- Conditional Split Transformation
- Copy Column Transformation
- Derived Column Transformation
- Data Conversion Transformation
- Multicast Transformation
- OLE DB Command Transformation
- Percentage Sampling Transformation
- Row Count Transformation
- Sort Transformation
- Union All Transformation

Advanced Data Flow
- Lookup Transformation
- Merge Transformation
- Merge Join Transformation
- Slowly Changing Dimension Transformation
- Pivot Transformation
- Export Transformation
- Import Transformation
- Unpivot Transformation

Data Flow Destinations
- Excel Destination
- Flat File Destination
- OLE DB Destination

Introduction to Control Flow
- Control Flow Overview
- Precedence Constraints
- The Execute SQL Task
- The Send Mail Task
- Bulk Insert Task
- Data Flow Task
- Execute Package Task

Advanced Control Flow
- For Each Loop Container
- Sequence Container

SQL Server Reporting Services (SSRS)
- Data Source
- Data Set
- Report Server
- Report Builder

Authoring Reports
Creating reports
- Tabular, List
- Matrix
- Parameterized Reports
- Sub Reports
- Drill Down Reports
- Linked Reports In SSRS
- Filters in SSRS
- Actions In SSRS
- Chart
- Constructing data sources and Datasets
- Inserting a data region, fields and images

Grouping and sorting data
- Grouping to multiple levels
- Sorting the results

Implementing Parameters and Filters
Building parameters into reports
- Returning subsets of data with query parameters
- Mapping report parameters to query parameters
- Building cascading report parameters
- Passing parameters to stored procedures
- Exploiting multivalve parameters

Restricting report data with filters
- Enhancing performance with filters
- Filters vs. query parameters
- Localizing tables and queries

SSRS Administration
- Configuration of Reporting Services, Deployment Method
- Security in SSRS
- Subscriptions
- Windows File Share, Email
- Processing Options
- Snapshots, Caching
- Working with Shared Schedules

SQL Server Analysis Services (SSAS)
- Need of Analysis Services
- Dimension
- Measure
- Designing of Cubes

Developing Cubes
- Cube Designer
- Dimension Usage
- Aggregations and Partitions
- Calculations and Kpi's
- Actions

- Perspectives & Translations
- Reporting in Excel and SSRS by using Cubes

MDX Language
- Introduction to MDX language

SSAS Administrations
- Deployment
- Processing
- Security
- Backup and Restore