

## **Microstrategy Course Content**

### **Module 1 - Business Systems and need of Business Intelligence. Reporting needs of different roles in business. BI Architecture / Life Cycle stages Introduction. OLAP type**

- What is BI and why BI need?
- Data flow architecture
- BI technology stack description
- Reporting need in business (Model description)
- Business owner queries
- Why BI system requires
- Comparison of OLTP v/s OLAP
- BI query example
- BI platform (information delivery)
- BI platform in BI technology stack
- BI information delivery
- BI market leader in 2014
- Dimension hierarchy
- Product dimension hierarchy
- MD model implementation
- Difference between MOPAL and ROLAP
- OLAP analysis techniques
- Report type - list matrix

### **Module 2 - Multidimensional Data Modeling: Dimensions, Hierarchies, Levels, Measures, Types of schemas (Star, Snow flake), Calculated Measures. Intelligence server**

- Micro Strategy Software installation
- OLAP analysis technique operation in a report format
- Description of report types: list and matrix
- Investment cube before slicing
- Dicing and Pivoting
- Drillup and Drilldown
- Rollup and its description using the exp. Of investment (\$) diagram
- Aggregation of sales data
- Drilling in hierarchal view
- Micro strategy BI

- Micro strategy user interface
- Intelligence server
- Intelligence server extension

**Module 3 - MicroStrategy Introduction: Architecture, Platform components, Reporting Terminology, Metadata (Schema, Application, Configuration Objects), MicroStrategy Installation / Checking installation. Welcome Screen and Demo. Micro Strategy Start Menu Items.**

- Micro strategy desktop
- Desktop version
- Types of desktop version
- Micro Strategy Architecture
- Micro Strategy tutorial
- Tutorial data model
- Customer hierarchy
- Geography hierarchy

**Module 4 - MicroStrategy Desktop Tool Introduction, Interface components. (Reporting, Architect, Admin)**

- Micro Strategy Analytical module and its categories
- Micro Strategy Tutorial and its sub categories
- Differences between report and documents
- Micro Strategy Objects
- Schema object and its types
- Application object and its type
- Configuration object and its type

**Module 5-MicroStrategy Desktop**

- Tutorial: Starting Desktop, Running Tutorial sample reports, Navigation, Menus.
- MicroStrategy Web High Level Introduction and running sample reports. MicroStrategy Office introduction and running reports.
- MicroStrategy Desktop Details: Report Editor, Template Editor, Filter Editor, Report display views, Report cache.
- Desktop Tutorial: Create, Save, Modify, Run Grid reports based on Tutorial project.

## **Module 6-Desktop Tutorial: Data Manipulators**

- Creation of filter in filter editor
- Creating a report of filter
- Shortcut of creating a report of filter
- View filter
- Report filter
- Metrics
- Simple metric
- Compound metric
- Metric formatting
- Difference between simple metric and compound metric

## **Module 7-Desktop Tutorial – Style Manipulators, Filter Tutorial: Ways of Filter Creation.**

- Prompts Optional
- Prompts & search in microstrategy
- Prompts advantages
- Prompts types
- Filter definition prompts
- Filter definition prompts sub type explanation
- Prompts report description
- Object prompts
- Creating of object forms
- Creating of object report

## **Module 8-Intelligence Server, Search object, object prompt with search and DashBoard, Adding attribute or metric w/o displaying on template, by adding to Report objects. View Filter and Derived Metrics. Q&A.**

- Intelligence Server
- Intelligence server extension
- Micro strategy olap services
- Olap with report object
- Report object & template object
- Simple metric
- Compound metric
- Derived metric
- Difference between simple metric and compound metric

- Derived report of document
- Creating the link of HTML to Dashboard