



## Power BI

- **INTRODUCTION TO POWER BI**

- ◆ Introduction to Power BI
- ◆ Why Power BI?
- ◆ Power BI Components
- ◆ Installation of Power BI Desktop
- ◆ Understanding Report, Data, Model & Dax Query Views
- ◆ Page Layout and Formatting
- ◆ Column Chart, Pie Chart, Donut Chart
- ◆ Scattered Chart, Funnel Chart, KPI, Line Chart
- ◆ Table & Matrix
- ◆ Geographical Data Visualization Using Maps
- ◆ Use of Hierarchies in Drill Down Analysis
- ◆ Drill Through
- ◆ Page Navigation
- ◆ Bookmarks
- ◆ Selection Pane to Show/Hide Visuals
- ◆ Combination Charts (Dual Axis Charts)
- ◆ Filter Pane
- ◆ Slicers
- ◆ Sync Slicers
- ◆ Tooltips & Custom Tooltips
- ◆ Conditional Formating on Visuals

- **DAX AND DATA MODELING**

- ◆ Introduction of DAX
- ◆ Why DAX is Used?
- ◆ DAX Functions
- ◆ Calculated Columns Using DAX
- ◆ Measures Using DAX
- ◆ Calculated Table Using DAX
- ◆ Learning about Table, Information, Logical, Text, Iterator
- ◆ Date and Time Functions
- ◆ Introduction of Relationships
- ◆ Creating Relationships
- ◆ Cardinality
- ◆ Cross Filter Direction

- ◆ Use of Inactive Relationships
- **DATA TRANSFORMATION (ETL)**
  - ◆ Shaping Data Using Power Query Editor
  - ◆ Formatting Data
  - ◆ Transformation of Data
  - ◆ Understanding of Data Types
  - ◆ Naming Conventions & Best Practices to Consider
  - ◆ Working with Parameters
  - ◆ Merge Query
  - ◆ Append Query
  - ◆ Group By of Data
  - ◆ Duplicate & Reference Tables
  - ◆ Fill
  - ◆ Pivot & Un-Pivot of Data
  - ◆ Custom Columns
  - ◆ Conditional Columns
  - ◆ Replace Data From the Tables
  - ◆ Split Columns Values
  - ◆ Move Columns & Sorting of Data
  - ◆ Detect Data Type, Count Rows & Reverse Rows
  - ◆ Promote Rows as Column Headers
- **POWER BI SERVICE, PUBLISHING & SHARING**
  - ◆ Introduction to Power BI Service
  - ◆ Using 3rd Party Visuals
  - ◆ Introduction of Workspaces
  - ◆ Dash Board
  - ◆ Creating & Configuring Dashboards
  - ◆ Dashboard Theme
  - ◆ Reports v/s Dashboard
  - ◆ Sharing Reports & Dashboards
  - ◆ Auto Refresh
  - ◆ On-Premises Data Gateway Integration