Microsoft Power BI

2 Day Course Outline

Course Overview:

As data-driven strategies take control and are being implemented, they will become an increasingly important point of competitive differentiation and advantage. However, despite the increasing need for data driven insights, Financial Institutions still struggle with the broad adoption of analytics.
The reasons: Lack of skills and knowledge, lack of integration across existing tools, lack of security and complexity of managing and administering data. **Power BI** is a hugely popular data visualisation tool and must be used extensively for management reporting.

Empower your team members to discover insights from your organisations data

Prerequisites:

The Microsoft Power BI Training course has no formal prerequisites. Hence, anyone who wants to enhance their knowledge of Power BI can attend the course. Although there are no prerequisites, however, experience with Microsoft Excel Pivot Charts and Pivot Tables would be beneficial.

Who should attend the course:

Anyone who wants to become more familiar with Power BI and want to build dashboard reports using the application.

The course will enable learners to:

- Import data into Power BI from various sources
- Build and manage relationships between the data
- Manipulate the data to have more user-friendly and improved reports
- Build calculations using the data
- Build compelling visualisations to get more insight into the data
- Publish the report to Power BI Service for collaboration
- View reports on Power BI Mobile

What is Microsoft Power BI:

Microsoft Power BI is a business analysis tool which enables you to build visually fascinating and interactive reports to give insight into your corporate data and stay on top of it. Perhaps you want to view the year-to-year growth in a graph or visual, or perhaps view actual sales towards a target? Microsoft Power BI will be the right tool for the job.

Learning Outcomes and Outline:

- Creating Calculated Measures
- Formatting fields
- Sorting visualization data by another field
- Unhide Fields
- Hiding fields
- Optimising Data models
- Create Calculated Columns
- Edit a relationship
- Create a relationship manually
- Create a relationship by using Autodetect
- Autodetect during load
- Managing Relationships
- Modelling Data
- Formatting Visualizations
- Accessing tooltips
- Convert between Visualizations
- Move a Visualization
- Resize a Visualization
- Remove Fields
- Add Fields
- Create Visualizations
- Collapse/Expand the Visualizations and Fields pane
- Select a View
- The Power BI Desktop
- Transpose Data
- Cleaning irregularly formatted data
- Creating Custom Columns
- Combine data from different sources using Append Query
- Advanced data transformations
- Remove additional columns and combine data
- Connect to an additional data source
- Advanced data sources and data transformation
- Editing Data in the Power Editor Query window
- Power Query Editor Screen Layout
- Edit Data before loading
- Connecting to a Data source to Get Data
- Getting Data
- Power BI Desktop Screen Layout
- Opening Power BI Desktop
- The parts of Power BI
- What is Power BI?
- DAX Syntax
- Create a Measure
- Create Calculated Tables
- The Distinct Function
- Exploring Time based Data in a Visualisation
- Drill-Down into data
- Drill-Up out of data
- Visualizations
- Combination Charts
- Slicers
- Maps
- Matrixes and Tables
- Scatter charts
- Waterfall and Funnel Charts
- Gauges and single-number charts
- Create a KPI visualization
- Formatting Charts and Visuals
- Adding Shapes, Images and Textboxes
- Page Layouts and Orientation
- Group interactions
- Duplicate a report page
- Change Formatting Display
- Create Hierarchies
- Introduction to the Power BI Service
- Create an account
- Gateway
- Uploading Data into the Power BI service
- Create Dashboards
- Ask questions about your data in natural language