**Power BI Intermediate | Advanced**

**Overview:** This session has been designed for participants who have basic understanding or are current users of Power BI.

**Duration:** 5 days (4 hours each)

**Software / Hardware Required:**

1. Windows 10 machine with atleast 8GB of RAM
2. Users should download and install Power Bi Desktop for Report server from <https://www.microsoft.com/en-us/download/details.aspx?id=58494>
3. Microsoft Excel 2010 onwards
4. Users should be able to connect to SQL Server in Azure

**Day 1:**

1. Power BI Overview

a. What is Power BI

b. Architecture

c. Power BI Desktop

d. Data Sources (SQL Server, Sharepoint, etc.)

1. Power Query Editor /Transformations
   1. Data Cleanup
   2. Merge Operation
   3. Append Operation
   4. Calculations using M-Language

**Day 1, 2 contd. :**

1. Data Modeling
   1. Model Relationships
      1. One-one, one-many, many-one, many-many
   2. Configure Table and Column Properties
   3. Creating Hierarchies
   4. Using Parameter Table to display the (sale /any other field) values in Hundreds, Thousands, Millions or Billions

**Day 2, 3 contd. :**

1. DAX
   1. Calculate Function
   2. Time-Intelligence Functions
   3. Use relationships different from active relationship
   4. Semi-Additive Measures
   5. Quick Measures

**Day 3, 4 contd. :**

1. Power BI Reports
   1. Line and Cluster Column Chart
   2. Edit Interactions
   3. Drill-through
   4. Grouping And Binning
   5. Bookmarks
   6. Sync Slicers
   7. Conditional Formatting

**Day 5 :**

1. Workspace
2. Managing Workspaces
3. Lineages
4. Creating And Managing Apps
5. Managing Sensitivity
6. Data flows
   1. What is Data Flow
   2. Data Flows vs Datasets
   3. Creating and Managing Data Flows
7. Report Security
   1. Implementing Row Level Security