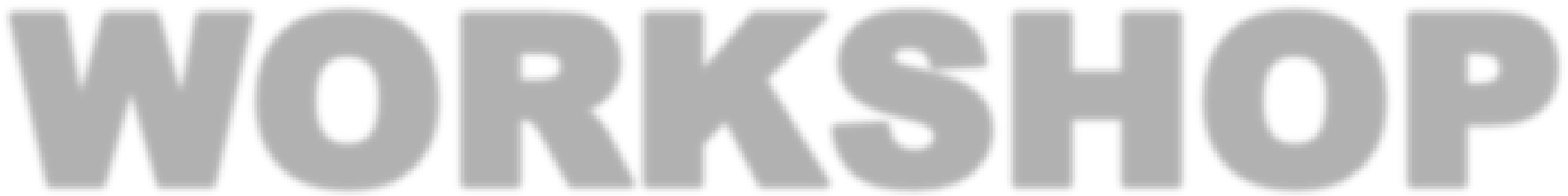
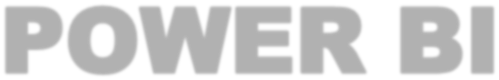
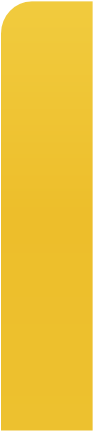
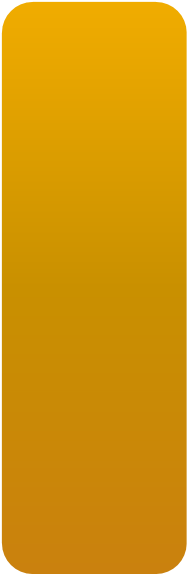
**Course Duration:**

**(**

**40**

**Hours)**



**Highlights of the Course**

* **ETL (Extract, Transform and Load) and Data Modelling**
  + How M-Query / M Language works
  + How to Create a Star Schema (What is Star Schema and Snowflake Schema)
  + Understanding Row Context, Filter Context, Iteration and Aggregations (Basics of DAX)
  + Train your Data for better results.

* **Financial Modelling to understand** 
  + Creating a Complete model using historical Data (Budgeting/Forecasting/Combining Data)
  + Creating Profit and Loss Account with a Pre-Structured model (Data modeling)
  + Two Different types of Profit and Loss Account

* **Sales Analysis & HR Analytics**
  + Comparison of customers Year over Year to see what the trajectory of each Customer is?
  + Understanding Budgeting Analysis using Seasonal / Business Sensitivity, Allocation of Budgets and

Comparison of Actual vs Budget

* + Overall Performance analytics
  + Conditional Formatting to tell the Data Stories.

* **Time intelligence** 
  + To see the trend analysis
  + Understanding Moving Averages
  + Time Intelligence [MTD, QTD, YoY (Day, Week, Month, Quarter)]

* **Custom Visualization** 
  + Various AI (Artificial Intelligence) Visuals to understanding the business in ML (Machine Learning)

Way (Q&A, Decomposition Tree, Key Business Influencers)

* + Creating Narration using Power BI

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| **Module** | **Details** | **Outcome** |
| 1 | **Quick Start Power BI Desktop and Service** | ***Participants will become***  ***proficient with the User Interface and***  ***Basic Data***  ***Cleaning and Shaping Activities Also using Basic DAX***  ***Functions with Practical***  ***Examples.*** |
|  | *Get Power BI Tools (Desktop and Service)* |
|  | *Introduction to Tools and Terminology* |
|  | *GET DATA and Create Dashboard in Minutes* |
|  | *Refreshing Power BI Desktop* |
|  | *Train your Data / Data Model* |
|  | *Direct Query vs Import Data* |
|  | *Working with Power Query Editor* |
|  | *Slicers, Timeline Slicers & Sync Slicers* |
|  | *Cross Filtering and Highlighting* |
|  | *Visual, Page and Report Level Filters, and New Filter Experience* |

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| **Module** | **Details** | **Outcome** |
| 2 | **Shaping Data with Power Query Editor** | ***Participants will become.***  ***proficient with the Power Query Editor Options, Data Shaping with Complex Excel Data and***  ***Basic Data***  ***Modelling with Time Intelligence etc.*** |
|  | *Working with Complex Data from Excel to understand various options in Power Query Editor* |
|  | *What is New Column and New Measure* |
|  | *How many Types of Data we can Pull into Power Query Editor* |
|  | *Analysis Reference/Constant Lines/Percentile Lines* |
|  | *Selection Pane, Bookmarks & Buttons* |
|  | *Understanding and Controlling visual Interactions* |
|  | *What is Relation Ship and how to connect Tables* |
|  | *Using DAX to connect Related TABLES* |
|  | *Creating Measures using DAX* |
|  | *Drill Down, Customized TOOL TIP, Automated Visual*  *Headers to make the reports informative and interactive* |  |

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| **Module** | **Details** | **Outcome** |
| 3 | **Modelling with Power BI** | ***Participants will become proficient with the advanced DAX Functions and understanding Logic of Row Context and Filter Context Evaluations. Will be visiting many DAX like CALCULATE/SUMX/RANKX***  ***COUNTX/FILTER and more*** |
|  | *Introduction to Modeling* |
|  | *Setup and Manage Relationships* |
|  | *Creating Dimension Tables with DAX* |
|  | *Understanding Variables and using variables in DAX* |
|  | *Creating DATE Dimension Table and Why??* |
|  | *Understanding What IF Analysis* |
|  | *Understanding and Setup Parameters and use as Templates* |
|  | *Understanding Context Transition to develop easy DAX functions* |  |
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| **Module** | **Details** | **Outcome** |
| 4 | **Power BI Desktop Visualizations** | ***Participants will become proficient with the Natural Language (Q&A) concept and many visualizations. Also, Participants will be able to understand the relationship between DAX (Data Modelling) & Report Building (Visualizations / Reports)*** |
|  | *Introduction to Visualizations* |
|  | *When to use and What to use* |
|  | *Creating Visualization with NLP/ML* |
|  | *Default Summarization & Sort by in Visuals* |
|  | *Using Tables and Matrix Tables* |
|  | *Understanding Hierarchies in Data Modeling* |
|  | *Conditional Formatting* |
|  | *KPI's, Cards & Gauges* |  |
|  | *Map Visualizations* |  |
|  | *Custom Visuals* |  |

***During Day3 to Day 5, All the Concepts will be discussed thru Example.***

***Files and Dax Functions also Latest updates will be discussed.***

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| **Module** | **Details** | **Outcome** | |
| 5 | **Publishing and Sharing Reports** | ***Participants will become proficient with PowerBI Service and various PRO options. Understanding these topics help them to collaborate their reports/dashboards with different communities /customers*** | |
|  | *Introduction* |
|  | *Sharing Options Overview* |
|  | *Publish from Power BI Desktop* |
|  | *Publish to Web (Secure & Public)* |
|  | *Share Dashboard with Power BI Service* |
|  | *Workspaces and Apps (Power BI Pro)* |
|  | *Content Packs (Power BI Pro)* |
|  | *Print or Save as PDF* |
|  | *Row Level Security (Power BI Pro)* |
|  | *Export Data from a Visualization* |
|  | *Publishing for Mobile Apps* |
|  | *Export to PowerPoint* |
|  | *Understanding Admin Concepts* |  | |
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| **Module** | **Details** | | **Outcome** |
| 6 | **Refreshing Datasets** | | ***Participants will become proficient with PBI Service in terms of Data Sets/ Reports and Dashboards and how to deal with PBI Datasets in Excel (Analyze in Excel). Also, ETL in Service*** |
|  | *What is Dataset, Report and Dashboard* | |
|  | *Understanding Data Refresh* | |
|  | *Replacing a Dataset* | |
|  | *Troubleshooting Refreshing* | |
|  | *Creating Dashboards and Publishing / Pinning*  *Understanding Dataset / Dataflow* | |

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| **Module** | **Details** | **Outcome** |
| 7 | **Paginated Reports:**  *Sometime the users wanted to print the reported properly paginated, but Power BI Service does not support the Page wise print for each visual, for example Invoice or Table containing many rows. Paginated Reports can be created using Report Builder.* | ***The overall usage of Paginated Reports and how to share with users.*** |