ASHOK IT
Learn Here.. Lead Anywhere..!!

+91-6301921083
9985296677
9985396677

http://www.ashokit.in

AshokIT   AshokITSchool

ashokitschool   ashokitschool

H.No: 7-1-413/2, Beside Sonabai Temple, Near Reliacne Fresh, Balkampet Rd, Ameerpet, Hyderabad – 500038

POWER BI Course Content

Module-1: Introduction to Power BI

- **Introduction to Business Intelligence (BI)**
- **Stages of business intelligence (BI)**
- **Use cases of BI**
- **Various BI tools**
- **Overview of Data warehouse & concepts**
- **Introduction to Power BI**
- **Why Power BI**
- **Power BI Components**
- **Power BI pricing structure**
- **Building blocks of Power BI**
- **Architecture of Power BI**
- **Power BI vs. Tableau vs. QlikView**
- **Introduction of Power BI Desktop**
- **Installation of Power BI Desktop**
- **The key features of Power BI workflow**
- **Process of creating reports in Power**

Module-2: Data Extraction

- **Overview of Power BI desktop**
- **Data sources in Power BI**
- **Using files (excel, pdf, csv, etc.) as a data source**
- **Using SaaS connectors**
- **Extracting data from folders, and databases**
- **Working with Azure SQL database and database sources**

- **Connecting to Analysis Services**
- **Other data sources (OData, web, SharePoint etc.)**
- **Python & R script in Power BI**
- **Introduction of power query editor**
- **Advance editor**
- **Query dependency editor**

Module-3: Data Transformation

- **Shaping data using Power Query Editor**
- **Formatting data**
- **Transformation of data**
- **Understanding of Data types**
- **Data profiling for data quality check**
- **Naming conventions & best practices to consider**
- **Working with Parameters**
- **Merge Query**
- **Append Query**
- **Group by of data (aggregation of data)**
- **Applied steps (query settings)**
- **Duplicate & Reference tables**
- **Transpose of data**
- **Fill**
- **Pivot & Un-pivot of data**
- **Custom columns**
- **Conditional columns**
- **Replace data from the tables**

ASHOK IT

Learn Here.. Lead Anywhere..!!

+91-6301921083
9985296677
9985396677

http://www.ashokit.in

AshokIT   AshokITSchool

ashokitschool   ashokitschool

H.No: 7-1-413/2, Beside Sonabai Temple, Near Reliacne Fresh, Balkampet Rd, Ameerpet, Hyderabad – 500038

- Split columns values
- Move columns & sorting of data
- Detect data type, count rows & reverse rows
- Promote rows as column headers
- Hierarchies in Power BI
- M query

Module-4: Data Modeling & DAX

- Introduction of relationships
- Creating relationships
- Cardinality
- Cross filter direction
- Use of inactive relationships
- Introduction of DAX
- Why DAX is used
- DAX syntax
- DAX functions
- Context in DAX
- Calculated columns using DAX
- Measures using DAX
- Calculated tables using DAX
- Learning about table, information, logical, text, iterator,
- Time intelligence functions (YTD, QTD, MTD)
- Cumulative values, calculated tables, and ranking and rank over groups
- Date and time functions
- DAX advanced features

Module-5: Data Visualization

- Deep dive into Power BI data visualization
- Understanding Power View and Power Map
- Data visualization techniques
- Page layout & Formatting
- Power BI Desktop visualization
- Formatting and customizing visuals
- Visualization interaction
- Custom visualization in Power BI
- Top-down and bottom-up analytics
- Geographical data visualization using Maps

Module-6: Power BI Service Cloud

- Introduction to Power BI Service
- Introduction of workspaces
- Dashboard
- Creating & Configuring Dashboards
- Reports vs Dashboards
- Sharing reports & dashboards
- Ad-hoc analytics building
- Introduction of Paginated Reports
- Introduction of Power BI Report Server

H.No: 7-1-413/2, Beside Sonabai Temple, Near Reliance Fresh, Balkampet Rd, Ameerpet, Hyderabad – 500038

: www.ashokit.in   YouTube : https://youtube.com/c/AshokIT   : https://twitter.com/AshokITSchool

: https://www.facebook.com/ashokitschool/   : https://www.instagram.com/ashokitschool/

: Contact/Whatsapp: +91-6301921083/9985296677/9985396677

ASHOK IT

Learn Here.. Lead Anywhere..!!

+91-6301921083
9985296677
9985396677

http://www.ashokit.in

AshokIT AshokITSchool

ashokitschool ashokitschool

H.No: 7-1-413/2, Beside Sonabai Temple, Near Reliacne Fresh, Balkampet Rd, Ameerpet, Hyderabad – 500038

Module-7: Power BI Administration

- **Getting to understand Power BI Desktop settings**
- **Aggregating data from multiple data sources**
- **Power BI Service settings**
- **Power BI Admin Portal**
- **Administration activities**
- **Power BI usage analysis**
- **Installation & Configuration of data gateways**
- **Scheduling auto data refresh**
- **Real time data analysis using Direct Connectivity**
- **Direct Query vs. Import Mode**

Module-8: Embedded Power BI with API & Mobile View

- **Introduction to embedded Power BI**
- **Create embedded code**
- **Manage embedded code**
- **Integration of Power BI in SharePoint**
- **Introduction of Power BI API**
- **Power BI Embedded playground**
- **Introduction to Power BI Mobile**
- **Creating mobile based reports & dashboards**
- **Optimizing report for Power BI mobile app**
- **Features of Power BI mobile app**
- **Introduction of integrating Power BI & Excel**
- **Power BI Analyze in Excel**