

POWER BI COURSE CONTENT

Faculty: -

Fee:-

Duration:-

Demo Time:-

Batch Time:-

1 POWER BI DESKTOP

Introduction to Power BI Desktop

- ✓ Installing Power BI desktop
- ✓ Import data from different sources
- ✓ Creating Reports and Dashboards
- ✓ Adding Charts and Visualizations

Creating reports

- Adding pages
- Renaming pages
- Moving pages
- Delete pages
- ✓ Importing excel and power view items

Discovering and loading data with Power BI Desktop

- ✓ Data sources
 - File sources
 - Databases
 - SQL Server and other sources
- ✓ Loading data
 - Web pages
 - CSV files
 - XML files
 - Excel
- ✓ Relational databases
 - Loading related tables
 - Database options

Transforming datasets

- ✓ Power BI desktop queries
 - Editing data after data load
 - Transforming data
- ✓ Query editor and ribbons
- ✓ Dataset shaping
- ✓ Filtering data

Data cleansing

- ✓ Changing data type
- ✓ Replacing values
- ✓ Transforming column contents
- ✓ Grouping records
- ✓ Pivot
- ✓ Un pivot
- ✓ Extending data
 - Duplicating columns
 - Splitting columns
 - Merging columns
 - Custom columns
 - Merging data
- ✓ Appending data
 - Adding contents of one query to another
 - Pivoting and un pivoting tables
 - Transposing rows and columns
- ✓ Managing queries
 - Grouping queries
 - Duplicating queries

Creating a data model

- ✓ Data modeling in Power BI desktop environment
- ✓ Data modeling ribbon
- ✓ Manipulating tables and columns
- ✓ Sorting data
- ✓ Designing a data model
 - Creating relationships
 - Creating relationships manually/automatically
 - Deleting relationships

Text based visualizations

- ✓ Switching to report view

Creating and modifications Charts in Power BI Desktop

- ✓ Column charts
- ✓ Line charts
- ✓ Pie charts
- ✓ Donut charts
- ✓ Funnel charts
- ✓ Water fall charts

Other types of visuals

- ✓ Maps
- ✓ Filled maps
- ✓ Tree maps
- ✓ Gauges
- ✓ Matrix table

Market place & From file visualizations

Advanced analytics visualizations

- ✓ Bullet chart
- ✓ Histogram
- ✓ Time series decomposition
- ✓ KPI Column
- ✓ Box and whisker chart
- ✓ Vitara charts – Micro chart
- ✓ Ultimate variance
- ✓ Narratives for power bi
- ✓ Data insights
- ✓ Dot plot
- ✓ Editors picks visualizations

Info graphic designer

- ✓ Drill down donut chart
- ✓ Synoptic panel
- ✓ Narratives for power bi

Filters visualizations

- ✓ Table sorter
- ✓ Attribute slicer
- ✓ Text filter
- ✓ Chiclet slicer
- ✓ Zoom charts network chart
- ✓ Smart filter

- ✓ Time brush
- ✓ Image timeline
- ✓ Filter by list
- ✓ Play axis
- ✓ Acterys matrix light
- ✓ Enlighten world flags
- ✓ Enlighten slicer
- ✓ Hierarchy slicer

Gauges visualizations

- ✓ Dial gauge
- ✓ Cylindrical gauge
- ✓ Linear gauge
- ✓ Tachometer
- ✓ Tachometer
- ✓ Circular gauge

Info graphics visualizations

- ✓ Scatter chart
- ✓ Enlighten data story
- ✓ SW Org chart
- ✓ Free ultimate decomposition tree
- ✓ As T Accounts
- ✓ As Timeline
- ✓ KPI Chart
- ✓ Bubble chart
- ✓ Scroller

Kpis visualizations

- ✓ PBI CV
- ✓ Power KPI
- ✓ Power KPI Matrix EB
- ✓ Table heat map
- ✓ Rotating tile
- ✓ Data bar KPI
- ✓ KPI Column
- ✓ KPI Grid
- ✓ KPI Ticker
- ✓ Card with states
- ✓ Advanced card

- ✓ Bullet chart
- ✓ KPI chart
- ✓ KPI Indicator

Maps visualizations

- ✓ Flow map
- ✓ China heat map
- ✓ Scatter map
- ✓ Color map
- ✓ Globe map
- ✓ Icon map

Power bi certified visualizations

- ✓ Bowtie chart
- ✓ Pulse chart
- ✓ Mekko chart
- ✓ Tornado
- ✓ Radar chart
- ✓ Sankey
- ✓ Ultimate waterfall
- ✓ Word cloud
- ✓ Brick chart
- ✓ Grid by
- ✓ Dot plot
- ✓ Rotating chart
- ✓ KPI Tickter
- ✓ Cylindrical
- ✓ Line dot chart
- ✓ Funnel with source
- ✓ Force-Directed graph
- ✓ Chord
- ✓ Sun burst

Time visualizations

- ✓ Time line
- ✓ Sparkline
- ✓ Drilldown column chart for time based data
- ✓ Gantt chart
- ✓ Stream graph
- ✓ Count down

- ✓ Gantt
- ✓ BCI Calendar
- ✓ As Time line
- ✓ Candlestick
- ✓ Impact bubble chart
- ✓ Custom calendar

Filtering data

- ✓ Visual level filters
- ✓ Page level filters
- ✓ Drill through filters
- ✓ Report level filters

Using slicers

- ✓ Slicers
- ✓ Sync slicer
- ✓ Edit interactions
- ✓ Selection pane

Enhancing dashboards

- ✓ Text boxes
- ✓ Modifying Page background
- ✓ Images
- ✓ Adding shapes
- ✓ Organizing visuals on the page
- ✓ Exporting data from a visualization
- ✓ Creating Bins
- ✓ Field formatting
- ✓ Conditional formatting
- ✓ Tool tips
- ✓ Import custom visuals from market place

Row level security (RLS)

- ✓ Creating Manage roles and View as roles
- ✓ Static Row level security
- ✓ Dynamic Row level security
- ✓ Column level security
- ✓ Page level security
- ✓ Report level security

Creating reports and check data

- ✓ Parameter report
- ✓ Hierarchy report
- ✓ Drill down report
- ✓ Drill through report
- ✓ See record
- ✓ See data

Data analysis expressions (DAX)

- ✓ New columns
- ✓ New measures
- ✓ New quick measures

2 POWER BI SERVICE/WEB/ONLINE/CLOUD

- ✓ Get data
- ✓ Import data to dataset
- ✓ Upload data to workbook
- ✓ Get app for developing reports and dashboards
- ✓ My Workspace
- ✓ APPs Workspace
- ✓ Datasets
- ✓ Reports
- ✓ Dashboards
- ✓ Workbook
- ✓ Q&A
- ✓ Insights
- ✓ Pin Dashboards
- ✓ Dashboards theme
- ✓ Dashboards settings
- ✓ Export to excel
- ✓ Row level security
- ✓ Embed codes
- ✓ Alerts
- ✓ Notifications
- ✓ Subscriptions
- ✓ Create reports
- ✓ Add title and image
- ✓ High contrast colors
- ✓ Generate QR Code

- ✓ Share
- ✓ Favorites
- ✓ Export to PPT
- ✓ Analyze in excel
- ✓ View related
- ✓ Manage permissions

3 Power BI Mobile

- ✓ View reports & Dashboards
- ✓ View Apps & Notifications
- ✓ View Share & Favorites
- ✓ Scan QR Codes

4 Power BI Admin

- ✓ Admin portal
- ✓ Usage metrics
- ✓ Users
- ✓ Audit logs
- ✓ Tenant settings
- ✓ Capacity setting
- ✓ Embedded code
- ✓ Organization visuals
- ✓ Data flow settings
- ✓ Workspace
- ✓ Custom branding
- ✓ Protection metrics
- ✓ Featured content

5 Power BI Gateways

6 Power bi report builder

7 Power bi report server

8 Power apps

9 Power automate

10 Power virtual agent

11 Power BI Embedded

12 Power Rest API