

POWER BI + SQL

Configuration and Connections:

- Introduction of Power BI
- Installation Steps
- Power BI Working Architecture
- Connecting to Different Databases (SQL Server, Excel, One Drive)
- Comparison with other BI Tools
- Direct Vs Import Connections.

Visualizations:

- Tiles, Page, Report, Dashboard
- Different types of charts and Usage
- Create visuals
- Format visuals
- Custom Visuals from the Gallery
- Format Page

Components:

- Filters
- Interactions
- Groups
- Hierarchy
- Drill up and Drill down
- Drill through
- Parameters

Power Query:

- Creating Front end Tables
- Data Cleansing (Replace, Trim, Clean, Split Columns, Merge Columns)
- Data Transformation (Pivot, Unpivot, Transpose, group by)
- Merge Queries
- Append Queries
- Creating the columns
- Applied Steps maintenance (Advanced Query Editor)

Power Pivot:

- Dimension Tables
- Fact Tables
- Cardinality Relationships
- Star Schema Creation
- Active Relationship & Inactive Relationships



Navigations:

- Page Navigations
- Book Marks
- Sync Slicers
- Custom Tooltips
- Q&A

DAX:

- Create Column
- Create Measure
- Date and time functions
- Filter functions
- Logical functions
- Aggregate functions
- Text functions
- Variable usage in DAX
- Role based Security

Service:

- Power BI License Types
- Workspace Creation
- Report Publish
- Gateway Installation & Configuration
- Schedule Refresh
- Sharing Reports & Providing the access to Business Users
- Dashboard Creation
- Power BI Apps Creation

SQL:

- Table Creation, Inset, Update, Delete the data, Select
- Clause Operations (Where, Group by, Having, Order by)
- Operators (IN, LIKE, ISNULL, Union)
- Joins
- Sub Queries (Inner Query & Outer Query)
- Data Modeling by using SQL
- Views Creation
- Analytical Functions (Rank, Dense_Rank, Partition by)

