

Power BI Training – Syllabus

Module 1: Introduction to Power BI

- Overview of Power BI and Its Components
- Power BI Desktop vs Power BI Service
- Installing Power BI Desktop
- Power BI Workflow – Connect, Transform, Visualize

Module 2: Getting Data in Power BI

- Connecting to Different Data Sources
- Importing vs Direct Query
- Connecting to Excel, SQL Server, Web APIs, and SharePoint
- Data Refresh and Gateway Configuration

Module 3: Data Transformation with Power Query

- Introduction to Power Query Editor
- Cleaning and Shaping Data
- Handling Nulls, Errors, and Duplicates
- Merging and Appending Queries
- Custom Columns and Conditional Columns

Module 4: Data Modeling in Power BI

- Understanding Relationships
- Creating and Managing Relationships

- Star Schema and Snowflake Schema
- Building Efficient Data Models
- Best Practices for Data Modeling

Module 5: DAX (Data Analysis Expressions)

- Introduction to DAX
- Calculated Columns and Measures
- Common DAX Functions: SUM, COUNT, AVERAGE, IF, SWITCH
- Time Intelligence Functions
- Advanced DAX for Business Logic

Module 6: Visualizations in Power BI

- Creating and Customizing Visuals
- Tables, Matrices, Cards, KPIs, Slicers, and Filters
- Charts: Bar, Line, Pie, Waterfall, Funnel, Maps
- Custom Visuals and Marketplace
- Drill-Through, Drill-Down, and Bookmarks

Module 7: Power BI Service (Cloud)

- Publishing Reports to Power BI Service
- Creating Dashboards
- Sharing and Collaborating Reports

- Setting up Row Level Security (RLS)
- Workspace Management

Module 8: Power BI Mobile App

- Accessing Reports and Dashboards on Mobile
- Optimizing Visuals for Mobile View
- Alerts and Notifications

Module 9: Integration and Advanced Topics


- Integration with Excel, SharePoint, SQL Server
- Introduction to Power BI Embedded
- Integrating Power BI with Power Automate
- Working with APIs and Streaming Data

Module 10: Real-Time Project

- Building an End-to-End Business Intelligence Solution
- Data Extraction, Transformation, Modeling, Visualization
- Deployment and Report Sharing Best Practices

 **For enrollment and course details:** +91 9573168449

 **Website:** www.openmindstechnologies.com

 **Location:** Ameerpet, Hyderabad