

Power BI Syllabus

Module 1: Introduction to Power BI

- Overview and components (Desktop, Service, Mobile)
- Power BI workflow
- Key differences from Excel and Tableau

Module 2: Data Import & Transformation (Power Query)

- Connect to sources: Excel, SQL Server, Web, etc.
- Clean and transform data (remove duplicates, split columns)
- Use Power Query Editor and M basics

Module 3: Data Modeling & Relationships

- Create relationships between tables
- Define hierarchies and date tables
- Use star schema for efficient modeling

Module 4: DAX for Calculations

- Difference: Measures vs. Calculated Columns
- Basic DAX: SUM, COUNT, IF, SWITCH
- Key functions: SUMX, CALCULATE, FILTER
- Time intelligence: YTD, MTD, Previous Year

Module 5: Creating Reports & Dashboards

- Build visual reports using charts, tables, KPIs
- Use slicers, filters, drillthrough, bookmarks
- Report design tips and interactivity

Module 6: Power BI Service

- Publish reports to Power BI Service
- Workspaces: My Workspace vs Shared
- Create and share dashboards
- Schedule data refresh

- Set up Row-Level Security (RLS)
- Use Dataflows and manage apps
- Share insights, set alerts and subscriptions