PowerBi Syllabus

1: Introduction to Power BI and Data Visualization

- Overview of Power BI and its components

- Installation and setup

- Tour of Power BI interface

- Loading data into Power BI

2: Data Loading and Basic Transformations

- Connecting to different data sources (Excel, CSV, databases)

- Basic data transformations (cleaning, shaping)

- Introduction to Power Query Editor

3: Introduction to Data Visualization

- Introduction to data visualization principles

- Creating basic charts (bar charts, line charts, pie charts)

- Formatting visualizations

4: Data Visualization - 2

- Working with advanced visuals (scatter plots, maps, treemaps)

- Applying filters and slicers

- Advanced chart types (waterfall charts, funnel charts, gauges, KPIs)

5 : Advanced Formatting Techniques

- Conditional formatting

- Themes and templates

- Customizing tooltips

6: Data Modeling in PowerBI

7: Storytelling with Data

- Using bookmarks and report navigation
- Building narrative-driven reports
- Sample Dashboard Demo
- Story telling with data

8: DAX Fundamentals

9: Advanced Data Transformations

- Merging and appending queries

10: Power BI Service

11: Data Governance and Security

- Introduction to data governance
- Data lineage and data quality
- Row-level security in Power BI

12: Power BI Administration

- Usage metrics and monitoring
- Power BI Premium features

13: Introduction to Power BI Paginated Reports

- Understanding paginated reports
- Creating and formatting paginated reports
- Using Report Builder

14 - Sales Analysis with Powerbi

- Loading sales data into Power BI
- Creating KPIs (Key Performance Indicators)
- Analyzing sales trends and patterns
- Visualizing sales performance

15 - Customer Analysis with Powerbi

- Loading customer data
- Customer segmentation analysis
- Customer churn prediction
- Visualizing customer demographics

16 - Financial Analysis with Powerbi

- Loading financial data (income statements, balance sheets)
- Profitability analysis
- Financial forecasting using time series analysis
- Visualizing financial KPIs

17 : Employee Performance Analysis with Powerbi

18 : PowerBI Exam Overview and Preparation Tips

- Overview of Microsoft Certified Exam

- Study resources and tips

- Understanding exam format and question types

- Time management strategies

19: Practice Exam Questions

- Reviewing sample exam questions

- Discussing answers and explanations

- Time management strategies

20: Powerbi Project