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The Microsoft Power BI training course provides an overview of Power BI Desktop, Power BI Q&A, Power BI Custom Visuals, Power BI DAX, Power BI Content packs and Power BI Integrations. The course exposes delegates to the concepts of Power BI, Data Analysis Expressions and Data Visualization with Power BI Desktop. The course enables the delegates to gain expertise in business analytics services provided by Microsoft. The delegates will learn how to explore, discover and visualize their enterprise data using Natural Language. During the training program, the delegates will gain a thorough understanding of Power BI, how it works in different scenarios, create compelling reports, visualizations, know three vital components (Desktop, service, and Mobile apps) and create calculated columns and measures using the DAX language. By the completion of the training program, the delegates will be able to communicate and present data in a visually understandable manner and make informed business decisions.

Power BI is a business analytics tool that allows the users to extract data from multiple unrelated sources and convert it into visually appealing reports or dashboards. The Microsoft Power BI training course imparts essential skills necessary to become a Power BI expert. The delegates will be trained by our expert instructors and will be provided hands-on experience for solving real-time industry-based Power BI projects. The course also teaches the delegates how to visualize and share insights from their organizations' data. Throughout the training program, the delegates will learn to use Power Pivot, Power View and Power Map, explore Power BI Q&A, implement DAX and SSBI, use Data Gateways, Content packs, Power BI Report Serve and use and implement Custom Visuals.

Prerequisites

The Microsoft Power BI Training course has no formal prerequisites. Hence, anyone who wants to enhance their knowledge of Power BI can attend the course. Although there are no prerequisites, however, experience with Microsoft Excel Pivot Charts and Pivot Tables would be beneficial.

Course Objectives

- Explain Power Query and Power BI Desktop
- Describe Data Visualization
- Understand the concepts of Power BI, Power Map, Power Pivot, Power view
- Create Custom Visualizations
- Discuss Power BI with SSRS Reports
- Describe DAX
- Develop real-time dashboards
- Learn how to integrate Power BI with Azure Machine Learning
- Connect directly to SSAS, Azure SQL, HD Spark
- Understand Power BI Q&A and Data insights

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- Explain Power BI Embedded
- Discuss Power BI Administration
- Publish and share reports and dashboards

Introduction to Power BI

- What is Power BI?
- The Power BI service
- Power BI Report Server
- Power BI Desktop
- Reports and Dashboards
- Datasets
- Row-Level Security
- Content Packs
- Natural Language Queries

??Data Sources

- Connecting to Files
- Importing Excel Files
- Publishing to Power BI from Excel
- Updating Files in Power BI
- Data Refresh
- The Power BI Data Model
- Managing Data Relationships
- Optimising the Model for Reporting
- Hierarchies
- SQL Servers
- Other Data Sources
- R Script Data Connector
- Configuring Data for Q&A
- Creating Content Packs
- Creating a Group

Shaping and Combining Data

- The Query Editor
- Applied Steps
- Advanced Editor
- Shaping Data
- Formatting Data
- Transforming Data
- Combining Data
- Merging Data

Modelling Data

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- Cardinality
- Cross Filter Direction
- What is DAX?
- Syntax
- Functions
- Context
- Calculated Columns
- Calculated Tables
- Measures

Interactive Data Visualisations

- Power BI Reports: Page Layout and Formatting
- Multiple Visualisations
- Creating Charts
- Using Geographic Data
- Histograms
- Power BI Admin Portal
- Service Settings
- Desktop Settings
- Dashboard and Report Settings

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