



MICROSOFT POWER BI

Description:

Microsoft Power BI is a cutting-edge business analytics platform designed to transform data into actionable insights. Combining the strengths of popular tools like Excel, Access, Power Query and Power Pivot, Power BI empowers users to seamlessly prepare, analyse and visualize data. With intuitive dashboards, interactive reports and advanced analytics capabilities, this platform enables professionals to move beyond basic analysis and uncover deeper trends, patterns, and opportunities within their data. Whether you're a beginner or experienced user, Power BI equips you with the tools to make informed, data-driven decisions efficiently.



We have 2 standard levels of Microsoft Power BI:

INTRODUCTION

- This course introduces you to the powerful tools of Microsoft Power BI, enabling you to transform raw data into dynamic visualizations and meaningful insights. Designed for beginners, it provides hands-on experience with the Power BI ecosystem, including the Power BI Service, Power BI Desktop, and Power BI Mobile. You'll learn to connect to data sources, create engaging charts and dashboards, and explore interactive visualizations. Starting with the web-based Power BI Service, this course will guide you step-by-step through data import, visualization creation, and sharing insights with your team to drive informed decision-making

ADVANCED

- This course empowers you to unlock the full potential of Microsoft Power BI by delving into its more sophisticated features. You'll gain expertise in working with complex calculations, leveraging the DAX (Data Analysis Expressions) language for advanced data modelling & optimizing query performance with the M language. Additionally, you'll learn to create intricate queries, build robust data transformations & enhance the interactivity of your visualizations. By the end of this course, you will have the tools and knowledge to deliver powerful, data-driven insights and streamline analytical processes for your organization

***BESPOKE COURSES | All of our courses can be easily tailored to suit any company.
Course duration and level can be changed, depending on content, company & individuals***



INTRODUCTION

Course Code: ITDP01 | Course Title: Creating & Using Bi Dashboards | Duration: 1 Day
Delivery: Face To Face & Live Online

Course Description:

This course introduces you to the powerful tools of Microsoft Power BI, enabling you to transform raw data into dynamic visualizations and meaningful insights. Designed for beginners, it provides hands-on experience with the Power BI ecosystem, including the Power BI Service, Power BI Desktop, and Power BI Mobile. You'll learn to connect to data sources, create engaging charts and dashboards, and explore interactive visualizations. Starting with the web-based Power BI Service, this course will guide you step-by-step through data import, visualization creation, and sharing insights with your team to drive informed decision-making.



Who Should Attend Microsoft Power BI Training?

- Data Analyst
- Project Manager (Data Focused)
- Financial Analyst
- Database Manager

Course Requirements:

No previous experience of Microsoft Power BI is required however the delegate should have knowledge in basic computer skills.

Course Contents:

- **Power BI Data Sources:** Gain an overview of Power BI's diverse data connection options
- **Connecting to SaaS Solutions:** Learn to integrate Power BI with popular SaaS platforms
- **Importing Data Files:** Upload local CSV files and refresh Excel-based data seamlessly
- **Exploring Sample Datasets:** Connect to sample data for practice and testing
- **Visualisation Basics:** Navigate the Power BI portal and explore its rich visualisation tools
- **Creating Reports:** Build and arrange visualisations for impactful data storytelling
- **Customising Visuals:** Format charts, maps, gauges, and text visuals to suit your analysis
- **Using Filters and Slicers:** Filter, sort, and manage visualisations for targeted insights
- **Designing Dashboards:** Pin tiles, reports, and live pages to build intuitive dashboards
- **Quick Insights:** Use Power BI's AI-driven tools to gain actionable insights effortlessly
- **Power BI Q&A:** Ask natural language questions to extract insights from your data
- **Sharing Dashboards:** Publish and share dashboards and reports with colleagues
- **Collaborative Workspaces:** Create and manage app workspaces for team collaboration
- **Power BI Mobile:** Access and interact with dashboards and reports on mobile devices
- **Power BI Desktop Integration:** Connect & transform data in the Desktop for advanced control
- **Export and Embed Reports:** Share reports via QR codes, SharePoint, or directly on the web

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ADVANCED

Course Code: ITDP02 | Course Title: Power BI Master | Duration: 1 Day
Delivery: Face To Face & Live Online

Course Description:

This course empowers you to unlock the full potential of Microsoft Power BI by delving into its more sophisticated features. You'll gain expertise in working with complex calculations, leveraging the DAX (Data Analysis Expressions) language for advanced data modelling & optimizing query performance with the M language. Additionally, you'll learn to create intricate queries, build robust data transformations & enhance the interactivity of your visualizations. By the end of this course, you will have the tools and knowledge to deliver powerful, data-driven insights and streamline analytical processes for your organization.



Who Should Attend Microsoft Power BI Training?

- Data Analyst
- Project Manager (Data Focused)
- Financial Analyst
- Database Manager

Course Requirements:

The delegate needs to have attended the previous level of the Microsoft Power BI course at Pringle PCS or at least, have the equivalent working knowledge.

Course Contents:

- **Understanding:** Explore Power BI Desktop and Pro, and understand the Microsoft update process
- **Comparing Tools:** Learn the differences between Power BI and Tableau for informed tool selection
- **Efficient Data Strategies:** Master effective methods for importing and managing data
- **Data Uploading:** Work with Excel, CSV, TXT files, and folders for streamlined data integration
- **Database Querying:** Query databases and upload data directly from PDFs for advanced versatility
- **Query Editor:** Understand the steps involved in data transformation using Query Editor
- **Data Tools:** Learn to transpose tables, unpivot data and append datasets for clean analytics
- **Splitting & Formatting:** Split fields, columns & format data using text & conditional formulas
- **Query Editor Techniques:** "fill up" and "fill down" functionalities, and create calculated formulas
- **The M Language:** Dive into the foundations of M language to manage data transformations
- **Joining Data Tables:** Combine data from multiple tables for comprehensive analysis
- **DAX Language:** Grasp the basics of DAX for creating measures & logical calculations
- **DAX Measures:** Develop & evaluate measures, leveraging functions like CALCULATE & ALL
- **DAX Functions:** Utilize SUMX, COUNTX & parameter-harvesting functions for dynamic calculations
- **Quick Measures & Date Tables:** Work with date tables & quick measures for data handling
- **DAX:** Use IF statements, variables & advanced functions like DATESBETWEEN for robust insights
- **Designing for Collaboration:** Focus on dashboard accessibility & design for collaborative success

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