MS Power BI

Training Course	**MS Power BI**
Course Language	**Bilingual , Training in Arabic Material in English**
Course Duration	Total Number of hours : 18
Course Objectives	This Power BI training is focused on introducing users to the fundamentals of Power BI and DAX in a hands-on and interactive environment. Throughout the training, users will be guided through an end-to-end analytics scenario using a combination of lectures, demos, and hands-on labs to reinforce their understanding of the data analysis process. Learn Power BI skills that will get you started with self-service business analytics and sharing discovered insights.
Course Content	Course Key Topic Area Includes: **Getting Started with Power BI** Introduction to Business Analysis Overview of Power BI desktop and its uses. Key components: Reports, Data, and Model views. **Data Integration Techniques in Power BI** Seamlessly importing data from Excel to Power BI Introduction to data integration techniques **Basic Data Modelling** Understanding relationships and keys in Power BI Introduction to the data model and basic concepts

Course Key Topic Area Includes:

Creating Basic Visualisations
Creating Impactful Visualisations
Types of visualisations available in Power BI
Creating and customising basic visuals

Designing Effective Reports
Professional layout design for Power BI reports
Best practices for report design

Publishing and Sharing Reports
User-friendly sign-in process
Publishing reports to Power BI Service
Basic navigation of the Power BI Online interface
Sharing reports and dashboards with others

Effective Data Analysis Techniques
Introduction to DAX Formulas
    Basic DAX functions (SUM, AVERAGE, COUNT)
    Introduction to simple calculated columns.

Course Content

Data Transformation with Power Query
    Advanced data cleaning techniques
    Creating custom columns and measures.

Navigating Power BI Online
Advanced Features of Power BI Service
    Creating and managing dashboards
    Utilising Power BI Q&A for natural language queries
Managing Data Refresh and Security
    Setting up scheduled refresh
    Implementing row-level security.

Course Wrap-Up and Q&A
Recap of key concepts
Q&A session
Resources for further learning.
Feedback and next steps

Learning Outcomes	At the end of the training, the trainees will be able to: • Master advanced data integration techniques and handle large datasets with ease. • Optimize your data models by understanding advanced relationships and leveraging calculated columns and measures. • Create Interactive reports with advanced visualizations with customization, interactive elements, and time-based data analysis. • Get introduced to DAX formulas, empowering you to perform sophisticated data analysis. • Transform data using Power Query, and publish and share your reports effectively.
Target Audience	Working with Microsoft products, e.g. Excel is an advantage, but not required. Your willingness to learn and grow. You want to become better at your job OR explore a new career opportunity. You want to get valuable insights from your data.
Course Material /Technology used/ Details Relevant to the course.	This is a Microsoft Power BI Training for beginners to advanced Power BI can be downloaded for free from the Microsoft page.