

Course Name

Dashboard Design and Visualization with Power BI

Sector Name

Digital Transformation and Innovation

Document Type

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Dashboard Design and Visualization with Power BI

Course Introduction

Effective dashboards combine data accuracy with visual storytelling to guide business decisions. This program focuses on creating visually appealing, interactive dashboards in Power BI, emphasizing design principles, UI/UX best practices, and the effective communication of insights.

Participants will learn to translate complex data into actionable visualizations, manage datasets efficiently, and use advanced Power BI features to produce professional-grade dashboards for organizational use.

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Dashboard Design and Visualization with Power BI

Target Audience

- ✓ Business Analysts
- ✓ Data Analysts and Reporting Specialists
- ✓ Finance and Accounting Professionals
- ✓ Managers and Decision-Makers

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Learning Objectives

- ✓ Apply principles of visualization design and effective UI for dashboards.
- ✓ Create interactive and dynamic dashboards in Power BI.
- ✓ Perform advanced data analysis within Power BI using DAX and data modeling.
- ✓ Implement best practices for visual hierarchy and user experience.
- ✓ Translate business data into actionable insights through visual storytelling.

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Course Outline

✓ DAY 01

Fundamentals of Power BI Visualization

- ✓ Power BI architecture and workspace setup
- ✓ Data connectivity and transformation
- ✓ Introduction to visualization types and their use cases
- ✓ Principles of color, layout, and visual hierarchy
- ✓ Data storytelling and audience-centric design

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Course Outline

✓ DAY 02

Advanced Data Modeling and DAX

- ✓ Building relational data models for analytics
- ✓ Measures, calculated columns, and advanced DAX functions
- ✓ Time intelligence and scenario calculations
- ✓ Optimizing models for performance
- ✓ Best practices for maintaining data integrity in dashboards

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Course Outline

✓ DAY 03

Interactive Dashboards and UI Design

- ✓ Adding interactivity with slicers, filters, and drill-through
- ✓ Advanced visual customization and formatting
- ✓ Storyboarding dashboards for business users
- ✓ KPI indicators, dynamic titles, and conditional formatting
- ✓ Designing dashboards for desktop vs. mobile viewers

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Course Outline

✓ DAY 04

Advanced Analytics in Power BI

- ✓ Trend analysis and forecasting
- ✓ Clustering, segmentation, and key driver analysis
- ✓ Integrating Python/R scripts into Power BI for advanced calculations
- ✓ Statistical analysis for business insights
- ✓ Data storytelling with multi-page dashboards

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Course Outline

✓ DAY 05

Dashboard Optimization and Governance

- ✓ Performance optimization and dataset refresh strategies
- ✓ Versioning, security, and access management
- ✓ Governance and compliance for shared dashboards
- ✓ Case studies of high-impact Power BI dashboards
- ✓ Final project: creating a comprehensive, interactive dashboard

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Confirmed Sessions

FROM	TO	DURATION	FEES	LOCATION
March 29, 2027	April 2, 2027	5 days	4950.00 \$	Turkey , Istanbul
Aug. 8, 2027	Aug. 12, 2027	5 days	4250.00 \$	KSA , Riyadh
Sept. 27, 2027	Oct. 1, 2027	5 days	2150.00 \$	Virtual , Online
April 25, 2027	April 29, 2027	5 days	4250.00 \$	Egypt , Cairo
Nov. 30, 2026	Dec. 4, 2026	5 days	4250.00 \$	UAE , Dubai

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