Power Business Intelligence Dashboard Development Training Course

Professional Development Training Course Outline

Category	Business Intelligence	**Duration**	5 Days
Base Fee	$1,500 USD	**Delivery Mode**	Online / On-site Hybrid

Course Introduction

Power BI has revolutionized the way organizations visualize and interpret data, empowering businesses to make data-driven decisions. Power Business Intelligence Dashboard Development Training Course is designed to equip professionals with hands-on skills to transform raw data into interactive, insightful dashboards. Participants will gain expertise in connecting multiple data sources, designing compelling visuals, and leveraging advanced analytics techniques to drive actionable insights. With the surge in demand for business intelligence tools, mastering Power BI enhances professional growth and organizational efficiency.

This course focuses on both theoretical knowledge and practical applications, ensuring participants can immediately apply learned concepts to real-world scenarios. Through guided exercises, case studies, and live dashboard projects, learners will develop a deep understanding of data modeling, visualization best practices, and performance optimization in Power BI. By the end of this training, participants will be capable of designing dynamic dashboards that empower decision-making, increase operational efficiency, and unlock business value.

Programme Curriculum

Power Business Intelligence Dashboard Development Training Course

Introduction

Power BI has revolutionized the way organizations visualize and interpret data, empowering businesses to make data-driven decisions. Power Business Intelligence Dashboard Development Training Course is designed to equip professionals with hands-on skills to transform raw data into interactive, insightful dashboards. Participants will gain expertise in connecting multiple data sources, designing compelling visuals, and leveraging advanced analytics techniques to drive actionable insights. With the surge in demand for business

intelligence tools, mastering Power BI enhances professional growth and organizational efficiency.

This course focuses on both theoretical knowledge and practical applications, ensuring participants can immediately apply learned concepts to real-world scenarios. Through guided exercises, case studies, and live dashboard projects, learners will develop a deep understanding of data modeling, visualization best practices, and performance optimization in Power BI. By the end of this training, participants will be capable of designing dynamic dashboards that empower decision-making, increase operational efficiency, and unlock business value.

Course Objectives

1. Understand Power BI architecture and ecosystem
2. Connect and transform data from multiple sources
3. Create interactive and visually appealing dashboards
4. Implement advanced DAX formulas for analytics
5. Perform data modeling for optimized reporting
6. Use Power Query for data cleaning and transformation
7. Apply best practices in visual storytelling
8. Build KPI-driven dashboards for performance tracking
9. Integrate Power BI with other Microsoft tools
10. Optimize dashboards for speed and usability
11. Design real-time dashboards using streaming data
12. Implement security and user access controls
13. Analyze business trends and generate actionable insights

Organizational Benefits

- Enhanced data-driven decision-making
- Improved operational efficiency
- Streamlined reporting processes
- Better collaboration across departments
- Faster identification of business trends
- Increased transparency and accountability
- Reduced reporting errors and redundancies
- Cost savings through efficient data management
- Empowered managers with actionable insights
- Strengthened competitive advantage

Target Audiences

1. Business Analysts
2. Data Analysts
3. IT Professionals
4. Financial Analysts
5. Project Managers
6. Marketing Analysts
7. Operations Managers
8. Executives and Decision-makers

Course Duration: 5 days

Course Modules

Module 1: Introduction to Power BI

- Overview of Power BI Desktop, Service, and Mobile
- Understanding Power BI ecosystem and architecture
- Key components of Power BI dashboards
- Introduction to datasets, reports, and visualizations
- Hands-on exercise: Creating a simple report
- Case Study: Analyzing sales performance data

Module 2: Data Sources and Data Transformation

- Connecting to Excel, SQL, and cloud sources
- Introduction to Power Query Editor
- Cleaning and transforming raw data
- Merging and appending datasets
- Hands-on activity: Preparing data for reporting
- Case Study: Data transformation for retail sales

Module 3: Data Modeling Concepts

- Understanding relationships and cardinality
- Creating calculated columns and tables
- Introduction to data normalization
- Star schema and snowflake schema design
- Best practices for efficient data models
- Case Study: Modeling customer and sales data

Module 4: DAX Fundamentals

- Introduction to DAX and its importance
- Creating measures and calculated columns
- Aggregation functions and logical functions
- Time intelligence calculations
- Error handling and debugging DAX formulas
- Case Study: Analyzing financial KPIs with DAX

Module 5: Advanced Data Visualization

- Selecting the right visualization for your data
- Custom visuals and marketplace options
- Conditional formatting for impactful visuals
- Interactive slicers and drill-through features
- Storytelling with data for business decisions
- Case Study: Visualizing marketing campaign performance

Module 6: KPI and Dashboard Design

- Identifying KPIs for business success
- Designing dashboards for executives and teams
- Optimizing layout and navigation

- Using bookmarks and buttons for interactive dashboards
- Monitoring performance and trends
- Case Study: KPI dashboard for a retail chain

Module 7: Power BI Service and Collaboration

- Publishing dashboards to Power BI Service
- Sharing reports with stakeholders
- Workspaces, apps, and collaboration strategies
- Real-time data integration
- Mobile dashboards and responsive design
- Case Study: Collaborative dashboard for project tracking

Module 8: Security and Optimization

- Row-level security implementation
- Performance optimization techniques
- Best practices for large datasets
- Version control and backup strategies
- Monitoring dashboard usage and efficiency
- Case Study: Securing and optimizing finance dashboards

Training Methodology

- Instructor-led live sessions with interactive Q&A
- Hands-on practical exercises and labs
- Real-world case studies and projects
- Step-by-step guided tutorials
- Group discussions and collaborative learning
- Assessment quizzes to evaluate understanding

Register as a group from 3 participants for a Discount

Send us an email: info@fineskilltrainingcenter.org or call *+254769199797*

Certification

Upon successful completion of this training, participants will be issued with a globally- recognized certificate.

Tailor-Made Course

We also offer tailor-made courses based on your needs.

Key Notes

a. The participant must be conversant with English.

b. Upon completion of training the participant will be issued with an Authorized Training Certificate

c. Course duration is flexible and the contents can be modified to fit any number of days.

d. The course fee includes facilitation training materials, 2 coffee breaks, buffet lunch and A Certificate upon successful completion of Training.

e. One-year post-training support Consultation and Coaching provided after the course.

f. Payment should be done at least a week before commence of the training, to Fineskill Training Center account, as indicated in the invoice so as to enable us prepare better for you.

Upcoming Scheduled Sessions

Start Date	End Date	Location	Price
23 Nov 2026	27 Nov 2026	Online	$1,000
23 Nov 2026	27 Nov 2026	Physical	$1,500
23 Nov 2026	27 Nov 2026	Physical	$3,000
23 Nov 2026	27 Nov 2026	Physical	$3,000
23 Nov 2026	27 Nov 2026	Physical	$6,000
23 Nov 2026	27 Nov 2026	Physical	$4,500
23 Nov 2026	27 Nov 2026	Physical	$6,000
23 Nov 2026	27 Nov 2026	Physical	$6,000

Ready to enroll or request a customized program? Book online or contact us:

Register Online Now

Email: info@fineskilltrainingcenter.com | Website: www.fineskilltrainingcenter.com