# Power Business Intelligence Real-Time Analytics Training Course

Professional Development Training Course Outline

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|---|---|---|---|
| **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 businesses handle data by providing real-time analytics and insightful visualizations. Power Business Intelligence Real-Time Analytics Training Course is designed to equip professionals with practical skills to transform raw data into actionable insights, enabling data-driven decision-making and enhanced business performance. Participants will gain hands-on experience in creating dashboards, integrating live data streams, and leveraging AI-driven analytics for predictive insights, ensuring they stay competitive in the fast-paced business environment.

The course emphasizes practical applications, blending theoretical knowledge with real-world case studies. By the end of the training, learners will be proficient in designing dynamic reports, automating data flows, and optimizing analytics for organizational efficiency. This course is ideal for professionals seeking to enhance their data literacy, streamline reporting processes, and support strategic initiatives with evidence-based insights.

## Programme Curriculum

**Power Business Intelligence Real-Time Analytics Training Course**

**Introduction**

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**Course Objectives**

1. Master Power BI interface, features, and real-time analytics tools.
2. Develop interactive dashboards and advanced visualizations for business reporting.
3. Integrate real-time data from multiple sources including databases, APIs, and cloud platforms.
4. Implement DAX formulas and measures for dynamic analytics.
5. Automate data refreshes and live reporting workflows.
6. Apply AI-driven insights to identify trends and anomalies.
7. Optimize Power BI reports for performance and scalability.
8. Ensure data governance, security, and compliance in reporting.
9. Utilize Power BI Service for collaboration and sharing across teams.
10. Analyze large datasets using Power Query and data modeling techniques.
11. Leverage predictive analytics for forecasting and business planning.
12. Conduct scenario analysis using real-time metrics for decision support.
13. Evaluate case studies to understand practical implementation and industry best practices.

**Organizational Benefits**

- Enhanced decision-making through real-time data insights.
- Streamlined reporting and reduced manual reporting errors.
- Improved collaboration across teams with centralized dashboards.
- Efficient identification of trends and anomalies for proactive action.
- Reduced operational costs with automated data workflows.
- Increased productivity through actionable analytics.
- Data-driven culture adoption across the organization.
- Improved customer insights for better engagement strategies.
- Scalability in data reporting for future growth.
- Strengthened compliance and governance in data management.

**Target Audiences**

1. Business analysts and data analysts.
2. Finance and operations managers.
3. IT and data management professionals.
4. Marketing and sales analysts.
5. Business intelligence developers.
6. Project managers and decision-makers.
7. Professionals seeking career advancement in data analytics.
8. Consultants and data-driven strategy advisors.

**Course Duration: 5 days**

**Course Modules**

**Module 1: Introduction to Power BI and Real-Time Analytics**

- Overview of Power BI platform and capabilities.
- Understanding real-time analytics concepts.
- Navigating Power BI desktop and service interface.
- Connecting to live data sources.
- Introduction to dashboards and reports.
- Case Study: Real-time sales dashboard for retail business.

**Module 2: Data Preparation and Power Query**

- Importing and cleaning data using Power Query.
- Transforming data for analytics.
- Handling missing and duplicate values.
- Merging and appending data from multiple sources.
- Automating data refresh using Power Query.
- Case Study: Real-time inventory management system.

**Module 3: Data Modeling and DAX Basics**

- Introduction to data modeling concepts.
- Creating relationships between tables.
- Basic DAX formulas for calculations.
- Measures and calculated columns.
- Optimizing data models for performance.
- Case Study: Financial performance analysis dashboard.

**Module 4: Advanced DAX and Analytics**

- Advanced DAX functions for complex analytics.
- Time intelligence functions for trend analysis.
- Calculated tables and variables.
- Error handling in DAX.
- Building predictive models with DAX.
- Case Study: Forecasting revenue using advanced DAX.

**Module 5: Interactive Visualizations and Dashboards**

- Designing interactive reports and dashboards.
- Using slicers, filters, and bookmarks.
- Custom visuals and themes.
- Drill-through and cross-filtering techniques.
- Enhancing user experience in dashboards.
- Case Study: Customer engagement analytics dashboard.

**Module 6: Real-Time Data Integration**

- Connecting to streaming datasets.
- Using APIs and web services for live data.
- Power BI and IoT data integration.
- Real-time alerts and notifications.
- Monitoring and managing live dashboards.
- Case Study: Live production monitoring dashboard.

**Module 7: Power BI Service and Collaboration**

- Publishing reports to Power BI service.
- Sharing dashboards and reports securely.
- Role-based access and security.
- Collaboration with teams and stakeholders.
- Power BI apps and workspaces.
- Case Study: Enterprise-level sales reporting collaboration.

**Module 8: Performance Optimization and Governance**

- Best practices for optimizing report performance.
- Monitoring performance metrics.
- Data governance and compliance strategies.
- Troubleshooting slow dashboards.
- Automating maintenance tasks.
- Case Study: Optimized enterprise analytics solution.

**Training Methodology**

- Interactive instructor-led sessions.
- Hands-on labs and practical exercises.
- Real-world case studies and scenario analysis.
- Group discussions and peer learning.
- Step-by-step guided projects with live data.
- Continuous assessment and feedback for skill mastery.

**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