Power Business Intelligence Embedded Analytics 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 Business Intelligence Embedded Analytics Training Course is designed to equip professionals with advanced data visualization and business intelligence skills. This course focuses on integrating Power BI dashboards and reports into custom applications, empowering organizations to make data-driven decisions efficiently. Participants will gain practical experience with real-time analytics, cloud integration, and embedding interactive dashboards to enhance business performance. This training emphasizes trending analytics strategies, interactive reporting, and scalable data solutions tailored for developers, analysts, and business stakeholders.

The training program leverages a hands-on approach to help participants understand how to embed Power BI seamlessly within web and mobile applications. Attendees will master key concepts such as API integration, DAX optimization, security implementation, and advanced analytics to create high-impact, interactive reports. By combining theoretical knowledge with practical exercises, learners will enhance decision-making capabilities, improve organizational insights, and gain a competitive advantage in the evolving data analytics landscape.

Programme Curriculum

Power Business Intelligence Embedded Analytics Training Course

Introduction

Power Business Intelligence Embedded Analytics Training Course is designed to equip professionals with advanced data visualization and business intelligence skills. This course focuses on integrating Power BI dashboards and reports into custom applications, empowering organizations to make data-driven decisions efficiently. Participants will gain practical experience with real-time analytics, cloud integration, and embedding interactive dashboards to enhance business performance. This training emphasizes trending analytics

strategies, interactive reporting, and scalable data solutions tailored for developers, analysts, and business stakeholders.

The training program leverages a hands-on approach to help participants understand how to embed Power BI seamlessly within web and mobile applications. Attendees will master key concepts such as API integration, DAX optimization, security implementation, and advanced analytics to create high-impact, interactive reports. By combining theoretical knowledge with practical exercises, learners will enhance decision-making capabilities, improve organizational insights, and gain a competitive advantage in the evolving data analytics landscape.

Course Objectives

1. Understand the fundamentals of Power BI Embedded Analytics and its integration with applications
2. Learn advanced DAX formulas for interactive and dynamic data reporting
3. Gain expertise in embedding Power BI reports and dashboards into custom web applications
4. Explore Power BI REST APIs for seamless analytics integration
5. Implement row-level security (RLS) and access management for embedded content
6. Develop interactive and scalable dashboards with real-time analytics
7. Utilize cloud services like Azure for data storage, transformation, and embedding
8. Master data modeling best practices for efficient report performance
9. Learn techniques for optimizing dashboard performance and reducing load times
10. Explore Power BI service administration and workspace management
11. Integrate AI and predictive analytics for advanced business insights
12. Understand licensing models, deployment strategies, and cost management
13. Apply real-world case studies to solve business-specific analytics challenges

Organizational Benefits

- Enhanced decision-making with embedded real-time analytics
- Improved user engagement through interactive dashboards
- Increased operational efficiency via automated reporting
- Secure analytics integration with role-based access control
- Scalable analytics for enterprise applications
- Reduced IT dependency for business reporting
- Faster insights with advanced DAX and visualization techniques
- Streamlined data workflow through cloud integration
- Empowered business teams with actionable intelligence
- Competitive advantage through data-driven strategies

Additional Benefits

1. Boost cross-team collaboration with shared dashboards
2. Standardize reporting across departments
3. Reduce manual data processing efforts
4. Ensure regulatory compliance through secure access
5. Increase adoption of analytics tools among employees
6. Enable predictive insights for better forecasting
7. Integrate multiple data sources for unified reporting
8. Provide customizable user experiences in applications
9. Track KPIs in real-time with interactive visuals
10. Enhance ROI on analytics investments

Target Audiences

- Business Analysts
- Data Analysts
- BI Developers
- Application Developers
- Data Scientists
- IT Managers
- Project Managers
- Decision-Makers

Course Duration: 5 days

Course Modules

Module 1: Introduction to Power BI Embedded Analytics

- Overview of Power BI Embedded
- Key features and benefits of embedded analytics
- Difference between Power BI Pro and Embedded
- Use cases for application integration
- Interactive demo: embedding sample dashboards
- Case Study: Embedding analytics in a sales portal

Module 2: Data Preparation and Modeling

- Importing and transforming data from multiple sources
- Data modeling best practices
- Creating relationships between tables
- Optimizing data models for performance
- Using DAX for calculated columns and measures
- Case Study: Building a customer insights model

Module 3: Advanced DAX for Embedded Analytics

- DAX fundamentals for embedded reports
- Time intelligence functions
- Advanced filtering and calculation techniques
- Optimizing DAX queries for performance
- Dynamic measures for real-time analytics
- Case Study: Revenue forecasting with DAX

Module 4: Embedding Reports into Applications

- Overview of embedding options (App Owns Data, User Owns Data)
- Embedding Power BI in web and mobile applications
- Integrating with REST APIs
- Managing authentication and tokens
- Handling interactive elements and events
- Case Study: Embedding dashboards in a customer portal

Module 5: Security and Access Management

- Implementing row-level security (RLS)
- Configuring dataset permissions
- Managing workspace and report access
- Secure token generation and management
- Monitoring and auditing access logs
- Case Study: Securing financial dashboards

Module 6: Advanced Visualization Techniques

- Custom visuals and themes
- Interactive slicers and filters
- Drill-through and tooltip reports
- Conditional formatting and KPIs
- Performance optimization for large datasets
- Case Study: Interactive marketing analytics dashboard

Module 7: Cloud Integration and Optimization

- Integrating with Azure services
- Real-time streaming datasets
- Automating data refresh schedules
- Performance tuning for embedded reports
- Monitoring workspace utilization
- Case Study: Embedding analytics for IoT data

Module 8: AI and Predictive Analytics in Embedded Reports

- Introduction to AI visuals in Power BI
- Predictive modeling and forecasting
- Integrating cognitive services
- Automating insights with Power BI AI capabilities
- Enhancing dashboards with anomaly detection
- Case Study: Predictive sales analytics

Training Methodology

- Instructor-led live sessions with hands-on labs
- Real-world projects and case study analysis
- Interactive Q&A and discussion forums
- Step-by-step guided exercises and demos
- Continuous assessment and feedback
- Peer collaboration and group activities

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