Power BI Dashboards for SCM Training Course

Professional Development Training Course Outline

Category	Logistics and Supply Chain Management	**Duration**	5 Days
Base Fee	$1,500 USD	**Delivery Mode**	Online / On-site Hybrid

Course Introduction

In today’s dynamic supply chain environment, data-driven decision-making has become the cornerstone of operational efficiency. Organizations are increasingly relying on advanced analytics to optimize procurement, inventory management, logistics, and overall supply chain performance. Power BI, as a leading business intelligence tool, empowers professionals to transform raw data into actionable insights, creating interactive dashboards and visualizations that drive strategic decisions. Power BI Dashboards for SCM Training Course is designed to equip participants with hands-on expertise in developing comprehensive Power BI dashboards specifically tailored for supply chain management, enhancing data visibility and operational forecasting.

Participants will gain practical skills in data modeling, performance tracking, and reporting, enabling them to identify trends, monitor key performance indicators, and make timely decisions that reduce costs and improve efficiency. Through real-world scenarios, case studies, and interactive exercises, learners will master techniques to extract insights from complex datasets, visualize performance metrics, and create dashboards that support proactive supply chain strategies. This training ensures that professionals are capable of bridging the gap between data analysis and operational execution, fostering a culture of informed decision-making within their organizations.

Programme Curriculum

Power BI Dashboards for SCM Training Course

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Course Objectives

By the end of this training, participants will be able to:

1. Understand Power BI fundamentals for supply chain management analytics
2. Design interactive dashboards tailored to SCM requirements
3. Integrate data from multiple sources into Power BI
4. Develop real-time visualizations of inventory, procurement, and logistics metrics
5. Apply DAX formulas for advanced analytics
6. Track key performance indicators (KPIs) effectively
7. Perform trend analysis and predictive forecasting using Power BI
8. Automate reporting processes for operational efficiency
9. Customize dashboards to meet stakeholder-specific requirements
10. Analyze supplier performance and procurement efficiency
11. Identify and mitigate supply chain risks through data insights
12. Present data-driven recommendations to management
13. Implement best practices for Power BI in supply chain decision-making

Organizational Benefits

1. Improved visibility into end-to-end supply chain operations
2. Enhanced accuracy in inventory forecasting
3. Reduction of operational costs through data-driven insights
4. Optimized procurement and supplier management
5. Faster identification of bottlenecks and inefficiencies
6. Streamlined reporting and decision-making processes
7. Better alignment of supply chain strategies with organizational goals
8. Increased collaboration between departments using shared dashboards
9. Enhanced responsiveness to market and demand changes
10. Competitive advantage through data-informed operational strategies

Target Audiences

1. Supply Chain Managers and Coordinators

2. Logistics Analysts
3. Inventory Controllers
4. Procurement Officers
5. Operations Managers
6. Business Analysts
7. Data Analysts working in SCM
8. IT Professionals supporting supply chain data platforms

Course Duration: 5 days

Course Modules

Module 1: Introduction to Power BI for SCM

- Overview of Power BI interface and functionality
- Importing and connecting SCM datasets
- Understanding data sources and formats
- Basics of data transformation and cleaning
- Case Study: Inventory tracking dashboard

Module 2: Data Modeling and Relationships

- Creating data tables and relationships
- Introduction to star schema for SCM datasets
- Managing large datasets efficiently
- Understanding hierarchies and categories
- Case Study: Supplier performance model

Module 3: Creating Interactive Dashboards

- Visualizations and chart types for SCM
- Designing interactive dashboards with slicers and filters
- Best practices in dashboard layout
- Using Power BI bookmarks and navigation tools
- Case Study: Procurement efficiency dashboard

Module 4: Advanced Analytics with DAX

- Introduction to DAX formulas
- Calculated columns and measures for SCM
- Time intelligence and trend analysis
- Performance metrics calculation
- Case Study: Demand forecasting analysis

Module 5: KPI Tracking and Monitoring

- Identifying key KPIs for SCM
- Conditional formatting to highlight trends
- Creating KPI indicators and alerts
- Dashboard interactivity for real-time monitoring
- Case Study: Logistics and delivery performance

Module 6: Reporting Automation and Sharing

- Scheduling data refresh and report automation
- Publishing dashboards to Power BI service
- Collaboration features and access control
- Exporting reports for presentations
- Case Study: Monthly SCM performance report

Module 7: Predictive Analytics in Power BI

- Introduction to predictive analytics concepts
- Trend lines, forecasting, and clustering
- Scenario analysis for supply chain planning
- Integration with external predictive tools
- Case Study: Predicting stock-out risks

Module 8: Best Practices and Implementation Strategies

- Power BI governance in SCM
- Data quality and security management
- Tips for scalable dashboards and reporting
- Change management for adopting dashboards
- Case Study: End-to-end SCM dashboard deployment

Training Methodology

- Instructor-led interactive sessions with live demonstrations
- Hands-on exercises using real SCM datasets
- Case study analysis and group discussions
- Step-by-step guided dashboard creation
- Continuous assessment through practical exercises
- Q&A and troubleshooting sessions

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

Start Date	End Date	Location	Price
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