

Course No. 1775

Smart Dashboards & Performance Analytics Training Course

DATA ANALYTICS & BUSINESS INTELLIGENCE
DATA, ANALYTICS & DIGITAL TRANSFORMATION

DURATION

5 Days

DELIVERY

Classroom



Course Overview

The Smart Dashboards & Performance Analytics Training Course is a practical and advanced programme designed to enable managers, analysts, and decision-makers to transform organizational data into clear performance intelligence through smart dashboards and advanced analytics.

The course focuses on developing dashboards that go beyond traditional historical reporting to become powerful decision-support tools for monitoring performance, identifying trends, detecting deviations and gaps, and providing early-warning indicators.

Participants will explore the complete performance analytics cycle, from defining performance objectives and selecting meaningful Key Performance Indicators (KPIs), through data analysis and dashboard design, to interpreting results and converting analytical findings into actionable recommendations.

Through practical exercises and business case studies, participants will develop the ability to design decision-oriented dashboards, analyze performance data, identify root causes of performance gaps, discover improvement opportunities, and establish sustainable performance monitoring frameworks.

Objectives

- By the end of the course, participants will be able to:
- Understand the principles and applications of smart dashboards and performance analytics.
- Define performance objectives and translate them into measurable KPIs.
- Select relevant KPIs for strategic, tactical, and operational performance.
- Assess data quality, consistency, reliability, and relevance.
- Analyze performance trends, patterns, deviations, and anomalies.
- Identify performance gaps and determine their underlying causes.
- Design effective dashboards aligned with management decision-making needs.
- Apply data visualization principles to communicate performance information clearly.
- Convert analytical findings into actionable insights and recommendations.

- Integrate predictive analytics and artificial intelligence into performance monitoring.
- Develop executive dashboards aligned with organizational strategy.
- Establish alerts, thresholds, and exception-based performance monitoring.
- Improve decision-making through timely and reliable performance intelligence.
- Evaluate dashboard effectiveness and organizational value.
- Develop a sustainable framework for smart dashboards and performance analytics.

Who Should Attend

This course is designed for managers, executives, performance management professionals, business analysts, data analysts, and decision-makers responsible for organizational performance monitoring and data-driven decision-making.

It is particularly suitable for professionals working in strategy, performance management, business intelligence, data analytics, finance, operations, quality, digital transformation, risk management, project management, and corporate planning.

The programme is also highly relevant to government and public-sector organizations, banks and financial institutions, oil and gas companies, energy organizations, engineering and industrial companies, telecommunications, healthcare, logistics, and large corporations seeking to strengthen performance visibility and improve decision-making through smart dashboards and analytics.

Learning Outcomes

- By the end of the course, participants will be able to:
- Develop performance measurement frameworks aligned with organizational objectives.
- Select and define effective KPIs for different organizational levels.
- Analyze performance data to identify trends, gaps, and improvement opportunities.
- Develop dashboards that provide clear and actionable performance information.
- Apply effective data visualization and dashboard design principles.
- Interpret complex performance information and communicate key insights effectively.
- Detect anomalies, exceptions, and early-warning performance indicators.

- Apply analytical techniques to investigate performance problems and gaps.
- Integrate predictive and AI-supported insights into performance monitoring.
- Develop executive dashboards to support strategic decision-making.
- Establish performance thresholds, alerts, and escalation mechanisms.
- Strengthen organizational accountability through transparent performance reporting.
- Evaluate dashboard effectiveness, adoption, and business impact.
- Connect operational performance with strategic objectives and organizational outcomes.
- Develop an implementation roadmap for smart dashboards and performance analytics.

Course Outline

DAY 01

Performance Analytics & KPI Frameworks

- Understanding performance analytics and organizational intelligence.
- Moving from traditional reporting to intelligent performance management.
- Linking organizational strategy with performance measurement.
- Strategic, tactical, and operational performance measurement.
- Principles and characteristics of effective KPIs.
- Leading and lagging performance indicators.
- KPI selection, definition, ownership, and measurement frequency.
- Establishing baselines, targets, and performance thresholds.
- Performance data sources and data quality requirements.
- Identifying performance gaps and critical success factors.

PRACTICAL APPLICATION

Developing a KPI framework aligned with organizational strategic objectives.

DAY 02

Data Analysis & Performance Intelligence

- Fundamentals of performance data analysis.
- Exploring performance trends and recurring patterns.
- Variance and deviation analysis.
- Identifying anomalies and performance exceptions.
- Root-cause analysis of performance gaps.
- Comparing actual performance against targets and benchmarks.
- Segmenting performance data for deeper analysis.
- Identifying relationships between different performance indicators.
- Converting data into actionable performance insights.
- Developing evidence-based performance improvement recommendations.

PRACTICAL APPLICATION

Analyzing performance data to identify trends, gaps, root causes, and improvement opportunities.

DAY 03

Smart Dashboard Design & Data Visualization

- Principles of effective dashboard design.
- Designing dashboards for different management levels.
- Executive, managerial, and operational dashboards.
- Selecting appropriate visualization techniques for different data types.
- Designing clear and focused performance screens.
- Visual hierarchy, usability, and accessibility.
- Interactive dashboards and performance data exploration.
- Drill-down analysis and exception reporting.
- Real-time and near-real-time performance monitoring.
- Common dashboard design and data presentation mistakes.

DAY 03 — CONTINUED

PRACTICAL APPLICATION

Designing a smart performance dashboard based on a realistic organizational scenario.

DAY 04**AI-Powered Performance Analytics & Decision Support**

- The role of artificial intelligence in performance analytics.
- AI-supported pattern and anomaly detection.
- Predictive performance analytics.
- Forecasting future performance levels.
- Early-warning indicators and intelligent alerts.
- Using AI to identify performance drivers and influencing factors.
- Scenario analysis and performance simulation.
- Using AI to generate performance insights.
- Validating AI-generated analytical outputs.
- Human judgment and governance in AI-supported performance management.

PRACTICAL APPLICATION

Developing an AI-supported performance analytics and early-warning dashboard concept.

DAY 05**Executive Performance Intelligence & Continuous Improvement**

- Building an integrated organizational performance dashboard framework.
- Connecting strategic, operational, and financial performance.
- Developing executive performance reports for decision support.
- Establishing effective performance review cycles.
- Designing performance alerts and escalation mechanisms.
- Measuring dashboard effectiveness and organizational impact.
- Strengthening data-driven organizational accountability.

DAY 05 — CONTINUED

- Applying continuous improvement approaches to performance management.
- Scaling smart dashboard adoption across organizational functions.
- Establishing governance for performance analytics and dashboards.

FINAL WORKSHOP

Developing an integrated Smart Dashboards & Performance Analytics Framework covering KPIs, dashboard architecture, analytical insights, alerts, governance, and an implementation roadmap.

Register or Request More Information

Course page: <https://quest-training.com/courses/smart-dashboards-performance-analytics-training-course>

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