ERP Reporting and Analytics Training Course

Professional Development Training Course Outline

Category	Enterprise Resource Planning (ERP)	**Duration**	10 Days
Base Fee	$3,000 USD	**Delivery Mode**	Online / On-site Hybrid

Course Introduction

In today’s data-driven business environment, organizations rely on Enterprise Resource Planning (ERP) systems to integrate, automate, and optimize their operations. ERP Reporting and Analytics Training Course equips professionals with the skills to transform raw ERP data into actionable insights using advanced business intelligence (BI) and data visualization tools. This program emphasizes real-time analytics, predictive reporting, and data storytelling to support strategic decision-making and enhance organizational performance.

Participants will gain hands-on expertise in ERP dashboards, custom report generation, KPI monitoring, and data modeling. Through practical case studies and simulations using platforms such as SAP, Oracle, and Microsoft Dynamics 365, learners will master how to extract, analyze, and present enterprise data effectively. This course blends technical analytics skills with strategic business intelligence competencies, preparing participants for high-demand roles in ERP analytics, data management, and digital transformation.

Programme Curriculum

ERP Reporting and Analytics Training Course

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Course Objectives

1. Understand ERP system architecture and its data integration framework.
2. Learn advanced ERP reporting techniques for real-time analytics.
3. Build custom dashboards using tools like Power BI and Tableau.
4. Analyze KPIs and performance metrics to support data-driven decisions.
5. Apply predictive analytics for demand forecasting and trend analysis.
6. Enhance data visualization and storytelling for management reporting.
7. Implement data governance and security best practices in ERP systems.
8. Leverage AI and machine learning for ERP data optimization.
9. Utilize SQL and data warehousing for effective report automation.
10. Integrate cross-functional analytics across finance, supply chain, and HR.
11. Apply real-world ERP analytics case studies for practical learning.
12. Develop strategic decision-support reports for executives.
13. Prepare for career advancement in ERP reporting, BI, and analytics roles.

Target Audience

1. ERP Analysts and Administrators
2. Business Intelligence (BI) Professionals
3. Data Analysts and Data Scientists
4. Financial and Supply Chain Managers
5. IT Professionals and System Integrators
6. Project Managers and ERP Consultants
7. Operations and Planning Executives
8. Digital Transformation Leaders

Course Modules

Module 1: ERP Systems Overview

- Understanding ERP architecture and modules
- Data flow across business functions
- Master data management concepts
- ERP deployment models
- Case Study: SAP S/4HANA implementation at Siemens

Module 2: ERP Data Structures

- ERP database schema overview
- Key tables and relationships
- Data extraction methods

- Common data integrity challenges
- Case Study: Oracle ERP Cloud data mapping

Module 3: Fundamentals of ERP Reporting

- Types of ERP reports
- Standard vs custom reporting
- Report lifecycle management
- Data query tools and techniques
- Case Study: Microsoft Dynamics 365 reporting workflow

Module 4: Business Intelligence and ERP Integration

- BI concepts and frameworks
- ERP-BI system integration
- OLAP cubes and data marts
- Automating report distribution
- Case Study: Power BI integration with SAP

Module 5: Data Visualization and Dashboards

- Dashboard design principles
- KPI tracking and data storytelling
- Visualization best practices
- Tools comparison
- Case Study: Coca-Cola dashboard optimization

Module 6: Advanced ERP Analytics

- Predictive and prescriptive analytics
- Machine learning integration
- Time series forecasting
- Data correlation and regression models
- Case Study: Predictive analytics in Oracle Fusion ERP

Module 7: Financial Reporting Analytics

- Profitability and cost center analysis
- Budget variance tracking
- Cash flow and balance sheet automation
- Consolidation and drill-down reports
- Case Study: SAP FI analytics at a manufacturing firm

Module 8: Supply Chain and Inventory Analytics

- Demand and supply forecasting
- Inventory turnover and optimization
- Procurement and vendor analytics
- Logistics performance monitoring
- Case Study: ERP analytics for Walmart’s supply chain

Module 9: HR and Payroll Analytics

- Workforce planning and headcount analysis
- Compensation and performance tracking
- Attrition and retention analytics
- HR dashboards for leadership
- Case Study: HR analytics in Workday ERP

Module 10: Data Governance and Compliance

- Data privacy laws
- Role-based access control
- Audit trails and version control
- Data validation frameworks
- Case Study: Compliance analytics at Deloitte

Module 11: Report Automation and Scheduling

- Scheduling reports in ERP
- Workflow automation
- Notification and alert systems
- Performance optimization
- Case Study: Automated financial reporting in SAP

Module 12: SQL for ERP Reporting

- Writing queries for ERP databases
- Joins, aggregations, and subqueries
- Stored procedures and functions
- Query optimization techniques
- Case Study: Custom SQL reports for Oracle ERP

Module 13: Data Warehousing Concepts

- ETL process and data pipelines
- Centralized vs federated data models
- Data lake integration
- Cloud-based analytics platforms
- Case Study: Azure Data Warehouse with Dynamics 365

Module 14: ERP Reporting Strategy and Management

- Aligning reports with business objectives
- Stakeholder communication
- Report standardization policies
- Performance review and improvement
- Case Study: Strategic reporting at IBM ERP systems

Module 15: Capstone Project

- End-to-end ERP analytics project
- Designing executive dashboards
- Presenting insights to stakeholders
- Assessment and feedback session

- Case Study: Comprehensive ERP analytics for a global enterprise

Training Methodology

This course employs a participatory and hands-on approach to ensure practical learning, including:

- Interactive lectures and presentations.
- Group discussions and brainstorming sessions.
- Hands-on exercises using real-world datasets.
- Role-playing and scenario-based simulations.
- Analysis of case studies to bridge theory and practice.
- Peer-to-peer learning and networking.
- Expert-led Q&A sessions.
- Continuous feedback and personalized guidance.

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	04 Dec 2026	Online	$2,000
23 Nov 2026	04 Dec 2026	Physical	$3,000

Start Date	End Date	Location	Price
23 Nov 2026	04 Dec 2026	Physical	$6,000
23 Nov 2026	04 Dec 2026	Physical	$6,000
23 Nov 2026	04 Dec 2026	Physical	$12,000
23 Nov 2026	04 Dec 2026	Physical	$9,000
23 Nov 2026	04 Dec 2026	Physical	$12,000
23 Nov 2026	04 Dec 2026	Physical	$12,000

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

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