ERP System Administration Training Course

Professional Development Training Course Outline

Category	Enterprise Resource Planning (ERP)	**Duration**	5 Days
Base Fee	$1,500 USD	**Delivery Mode**	Online / On-site Hybrid

Course Introduction

Enterprise Resource Planning (ERP) systems have become the backbone of modern business operations, integrating critical functions such as finance, supply chain, human resources, and customer relationship management into a unified platform. Effective ERP system administration ensures seamless operation, data integrity, and optimal performance across an organization, enabling businesses to scale efficiently, reduce operational costs, and improve decision-making. ERP System Administration Training Course is designed to equip IT professionals, system administrators, and ERP specialists with the knowledge and practical skills required to manage, maintain, and optimize ERP systems.

With the rapid evolution of cloud-based ERP solutions, real-time analytics, and AI-driven automation, ERP administrators must stay ahead with hands-on expertise in system configuration, user management, security, troubleshooting, and performance monitoring. Our course leverages industry-leading practices, case studies, and interactive labs to provide participants with a comprehensive understanding of ERP ecosystems. By the end of this course, participants will confidently handle ERP administration tasks, ensuring system reliability, efficiency, and compliance with industry standards.

Programme Curriculum

ERP System Administration Training Course

Introduction

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Course Duration

5 days

Course Objectives

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

1. Master ERP system architecture and integration frameworks.
2. Perform advanced ERP configuration and customization.
3. Implement robust user access control and security policies.
4. Optimize database management and ERP performance tuning.
5. Troubleshoot ERP system issues and resolve errors effectively.
6. Leverage cloud ERP solutions for scalability and remote access.
7. Apply data migration strategies for seamless ERP upgrades.
8. Monitor ERP system health using real-time analytics tools.
9. Implement backup, recovery, and disaster recovery strategies.
10. Utilize AI and automation tools for ERP workflow optimization.
11. Ensure regulatory compliance and audit readiness.
12. Enhance reporting and business intelligence capabilities.
13. Execute best practices in ERP lifecycle management.

Target Audience

1. ERP System Administrators
2. IT Managers and Infrastructure Specialists
3. Database Administrators
4. Business Analysts
5. ERP Implementation Consultants
6. Technical Support Engineers
7. Cloud Solution Architects
8. Project Managers in ERP Deployment

Course Modules

Module 1: ERP System Architecture & Components

- Overview of ERP ecosystems and modules
- Cloud vs. on-premise ERP solutions
- Integration with third-party systems
- Case Study: ERP architecture optimization in a manufacturing firm
- Best practices in system design and scalability

Module 2: ERP Installation & Configuration

- Installation procedures and environment setup
- Configuring modules and system parameters
- System initialization and data setup
- Case Study: Configuration for a multi-department retail chain
- Troubleshooting installation issues

Module 3: User Management & Security

- Role-based access control (RBAC)
- Authentication and single sign-on (SSO)
- Security policies and compliance standards
- Case Study: Implementing ERP security in a healthcare organization
- Auditing user activities and permissions

Module 4: Database Management & Performance Tuning

- ERP database structures and relationships
- Indexing, queries, and optimization techniques
- Performance monitoring tools
- Case Study: Database performance tuning for an ERP in finance
- Best practices for large-scale ERP databases

Module 5: Troubleshooting & Issue Resolution

- Identifying common ERP errors and alerts
- Log analysis and system diagnostics
- Problem-solving frameworks
- Case Study: Rapid ERP recovery after system downtime in retail
- Root cause analysis and preventive measures

Module 6: Backup, Recovery & Disaster Management

- ERP backup strategies
- Disaster recovery planning
- System restoration techniques
- Case Study: Successful disaster recovery during ERP migration
- Automation of backup processes

Module 7: ERP Reporting & Analytics

- Built-in reporting tools and dashboards
- Custom report creation
- Data analytics and visualization
- Case Study: Business intelligence implementation in ERP for supply chain
- KPI tracking and decision-making support

Module 8: Advanced ERP Features & Automation

- AI-driven workflow automation
- ERP integration with IoT and emerging technologies

- Upgrade and patch management
- Case Study: AI-based process optimization in ERP for logistics
- Continuous improvement and innovation practices

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	27 Nov 2026	Online	$1,000

Start Date	End Date	Location	Price
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:

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Email: info@fineskilltrainingcenter.com | Website: www.fineskilltrainingcenter.com