ERP Scripting and Extensions 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

In today’s dynamic business environment, ERP systems are the backbone of operational efficiency, driving digital transformation, automation, and process optimization. Mastering ERP scripting and extensions empowers professionals to customize workflows, enhance system performance, and unlock advanced functionality tailored to unique organizational needs. ERP Scripting and Extensions Training Course provides hands-on expertise in ERP development, API integrations, and custom module creation, enabling participants to become strategic contributors in the ERP ecosystem.

Designed for aspiring ERP developers, IT consultants, and system administrators, this training blends practical exercises, real-world case studies, and industry best practices to ensure mastery of ERP scripting languages, automation techniques, and extension frameworks. By the end of this course, participants will gain the skills to enhance ERP functionality, streamline business processes, and deliver measurable ROI through customized solutions that align with modern digital business strategies.

Programme Curriculum

ERP Scripting and Extensions Training Course

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Course Duration

5 days

Course Objectives

1. Master ERP scripting languages for efficient customization.
2. Develop custom modules and extensions to enhance ERP functionality.
3. Implement workflow automation for optimized business processes.
4. Gain expertise in ERP APIs and integrations.
5. Leverage data manipulation and reporting through scripts.
6. Enhance system performance using advanced scripting techniques.
7. Understand ERP security protocols and secure extension development.
8. Learn error handling and debugging in ERP environments.
9. Apply best practices in modular design for scalable solutions.
10. Optimize user experience through customized forms and dashboards.
11. Explore real-world ERP extension case studies for practical insights.
12. Gain skills in version control and deployment of ERP scripts.
13. Stay updated with emerging ERP trends like AI, RPA, and cloud extensions.

Target Audience

1. ERP Developers & Programmers
2. IT Consultants & Analysts
3. System Administrators
4. Business Process Managers
5. Technical Leads & Architects
6. ERP Implementation Specialists
7. Project Managers in ERP projects
8. Students & Professionals aiming for ERP specialization

Course Modules

Module 1: Introduction to ERP Scripting

- Overview of ERP systems & architecture
- Understanding ERP customization needs
- Introduction to scripting languages
- ERP scripting best practices
- Case Study: Automating invoice approval workflow

Module 2: ERP APIs & Integrations

- Introduction to ERP APIs
- Connecting ERP with third-party systems
- Data exchange protocols

- Handling authentication & security
- Case Study: Integrating CRM data into ERP

Module 3: Custom Module Development

- Designing custom modules
- Module lifecycle and deployment
- Script-based enhancements
- Performance considerations
- Case Study: Creating a custom HR leave management module

Module 4: Workflow Automation & Business Rules

- Automating repetitive tasks
- Configuring business rules via scripts
- Event-driven scripting
- Error handling in workflows
- Case Study: Automating purchase order approvals

Module 5: Advanced Reporting & Data Manipulation

- Script-based data extraction
- Creating dynamic reports
- Data visualization techniques
- Scheduling and automation of reports
- Case Study: Real-time sales analytics dashboard

Module 6: Security & Compliance in ERP Extensions

- User roles & permissions
- Secure coding practices
- Data privacy & compliance
- Audit trails and monitoring scripts
- Case Study: GDPR-compliant data extension

Module 7: Debugging, Testing & Deployment

- Debugging scripts efficiently
- Unit & integration testing
- Deployment strategies
- Rollback and version control
- Case Study: Troubleshooting failed batch jobs

Module 8: Emerging Trends & Future of ERP Extensions

- Cloud-based ERP scripting
- AI & RPA in ERP automation
- Mobile ERP extensions
- Performance optimization techniques
- Case Study: Implementing AI-powered predictive maintenance

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
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

Start Date	End Date	Location	Price
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

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