Legacy System Extraction Strategies for ERP 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 fast-evolving digital landscape, enterprises face the critical challenge of modernizing legacy systems while ensuring seamless data migration and minimal business disruption. Legacy System Extraction Strategies for ERP Training Course IT professionals, business analysts, and ERP consultants with advanced methodologies to efficiently extract, cleanse, and migrate data from outdated systems into modern ERP platforms. Participants will gain hands-on experience in data mapping, system integration, process optimization, and risk mitigation, empowering organizations to accelerate digital transformation initiatives while maintaining data integrity and compliance.

This course emphasizes practical, real-world strategies using industry-leading tools, best practices, and case studies to handle complex ERP migration projects. Attendees will develop expertise in legacy system analysis, data extraction frameworks, automation techniques, and performance monitoring, ensuring cost-effective and scalable ERP implementations. By mastering these cutting-edge techniques, participants will enhance their strategic decision-making capabilities, reduce project risks, and drive business process optimization and operational efficiency across enterprise systems.

Programme Curriculum

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Course Objectives

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

1. Analyze legacy systems for ERP data migration readiness.
2. Design robust data extraction frameworks for complex ERP projects.
3. Implement automated ETL (Extract, Transform, Load) processes for legacy data.
4. Apply data cleansing and transformation strategies to ensure data accuracy.
5. Integrate legacy systems with cloud-based ERP platforms.
6. Minimize risks using compliance-focused migration methodologies.
7. Optimize business processes with real-time data migration insights.
8. Leverage AI and machine learning tools for intelligent data extraction.
9. Develop scalable legacy-to-ERP migration solutions.
10. Conduct impact analysis and performance monitoring during ERP transition.
11. Utilize best practices in ERP system integration for large enterprises.
12. Create data governance and audit frameworks for legacy systems.
13. Deliver cost-effective and efficient ERP migration strategies.

Target Audience

- ERP Project Managers
- Business Analysts
- IT Consultants
- Data Migration Specialists
- System Integration Engineers
- ERP Functional Consultants
- CIOs / IT Directors
- Enterprise Architects

Course Modules

Module 1: Introduction to Legacy Systems & ERP Migration

- Understanding legacy systems and challenges
- ERP migration trends and market demands
- Key stakeholders and roles in ERP projects
- Risk factors in legacy extraction

- Case Study: Legacy system failure impact on ERP implementation

Module 2: Legacy System Analysis & Assessment

- Evaluating legacy system architecture
- Data quality assessment techniques
- Identifying critical data and dependencies
- Prioritizing migration tasks
- Case Study: Data assessment for a manufacturing ERP migration

Module 3: Data Extraction Techniques & Tools

- Overview of ETL frameworks
- Automated vs manual extraction methods
- Extracting structured and unstructured data
- Leveraging APIs for data extraction
- Case Study: Using ETL for retail ERP migration

Module 4: Data Transformation & Cleansing

- Data normalization and mapping
- Removing duplicates and inconsistencies
- Handling legacy-specific data formats
- Ensuring regulatory compliance
- Case Study: Cleansing HR data for ERP integration

Module 5: Integration Strategies for ERP Systems

- Middleware and integration platforms
- Real-time vs batch processing
- Handling ERP master data
- Ensuring seamless cross-system communication
- Case Study: Integrating legacy CRM with SAP S/4HANA

Module 6: Automation & Advanced Extraction Techniques

- Robotic Process Automation (RPA) for ERP migration
- AI-driven data extraction solutions
- Optimizing ETL performance
- Error handling and rollback strategies
- Case Study: Automating legacy finance system extraction

Module 7: Testing, Validation & Quality Assurance

- Data reconciliation and validation techniques
- User acceptance testing (UAT) in ERP projects
- Performance monitoring tools
- Troubleshooting common migration issues
- Case Study: ERP migration QA for a logistics company

Module 8: Project Management & Governance for ERP Migration

- Defining governance frameworks

- Change management strategies
- Risk mitigation and contingency planning
- Post-migration monitoring and optimization
- Case Study: ERP migration governance in a multi-national 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	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
23 Nov 2026	27 Nov 2026	Physical	$6,000

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