Warehouse Processes and ERP Integration 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-paced business environment, efficient warehouse management and seamless Enterprise Resource Planning (ERP) integration are critical to achieving operational excellence. Warehouse Processes and ERP Integration Training Course is designed to equip professionals with the knowledge and skills needed to optimize warehouse operations and integrate them with ERP systems. Participants will learn about key concepts, best practices, and the latest trends in warehouse management, inventory control, and ERP integration. With a hands-on approach, this course ensures that learners understand the end-to-end process, from receiving and storage to order fulfillment and shipment, while leveraging ERP solutions to enhance efficiency and accuracy.

The course focuses on bridging the gap between warehouse operations and ERP systems, highlighting how automation, real-time data tracking, and streamlined communication can drive operational improvements. Through case studies and real-world examples, participants will explore the challenges faced by modern warehouses and gain actionable insights into integrating ERP systems for better inventory control, demand forecasting, and logistics management. By the end of the course, learners will be prepared to implement best practices in warehouse management and ERP integration, contributing to cost savings, faster delivery times, and superior customer satisfaction.

Programme Curriculum

Warehouse Processes and ERP Integration Training Course

Introduction

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Course Duration

5 days

Course Objectives

1. Understand core warehouse management principles and best practices.
2. Learn how to leverage ERP systems for real-time inventory management and data synchronization.
3. Master the integration process between Warehouse Management Systems (WMS) and ERP platforms.
4. Explore the impact of automation and IoT on warehouse efficiency and inventory accuracy.
5. Gain proficiency in using barcoding and RFID technology to track inventory movement.
6. Discover methods for optimizing order fulfillment processes and reducing lead times.
7. Develop skills in demand forecasting and inventory planning using ERP systems.
8. Learn to identify and manage common warehouse bottlenecks and implement solutions.
9. Understand the role of data analytics in improving warehouse operations and ERP integration.
10. Master the use of cloud-based ERP systems for scalable and flexible warehouse management.
11. Improve supply chain collaboration and communication through integrated ERP systems.
12. Learn about compliance and regulatory requirements related to warehouse operations.
13. Explore future trends in warehouse management and ERP integration, including AI and machine learning applications.

Target Audience

1. Supply Chain Managers
2. Warehouse Operations Supervisors
3. ERP Consultants
4. IT Professionals working on ERP system implementation
5. Inventory Managers
6. Logistics and Distribution Managers
7. Business Analysts in Warehousing and Logistics
8. Operations Directors and Executives

Course Modules

Module 1: Introduction to Warehouse Processes

- Key concepts in warehouse management: inbound, storage, picking, packing, and outbound.
- Understanding the warehouse workflow and processes.
- Best practices for optimizing warehouse operations.
- Importance of warehouse layout design and space management.
- Case Study: Optimizing inbound logistics to streamline warehouse operations.

Module 2: ERP Systems Overview

- Introduction to ERP systems and their role in warehouse management.
- Key features of modern ERP platforms (e.g., SAP, Oracle).
- Integration of ERP with warehouse management systems (WMS).
- Understanding the data flow between ERP and warehouse processes.
- Case Study: Successful ERP-WMS integration at a global retailer.

Module 3: Warehouse Automation and Technology

- Overview of automation tools in warehousing: conveyor systems, robots, and drones.
- Role of RFID and barcode scanning in inventory management.
- Integration of IoT devices with ERP systems for real-time data tracking.
- Benefits of warehouse management automation in reducing human error.
- Case Study: Automating a distribution center to increase picking speed and accuracy.

Module 4: Inventory Control and Demand Forecasting

- Key inventory management strategies: Just-in-time, safety stock, and reorder point.
- Leveraging ERP for real-time inventory tracking and reporting.
- Understanding demand forecasting techniques within ERP systems.
- Best practices for minimizing stockouts and overstocking.
- Case Study: Forecasting inventory needs based on historical data.

Module 5: Order Fulfillment and Logistics Management

- End-to-end order fulfillment process from order receipt to delivery.
- Streamlining shipping and logistics through ERP integration.
- Optimizing order picking, packing, and shipping workflows.
- Improving customer satisfaction through faster order processing.
- Case Study: Reducing lead times in order fulfillment with ERP integration.

Module 6: Data Analytics in Warehouse Operations

- Role of data analytics in optimizing warehouse performance.
- Using ERP data to analyze inventory turnover, order accuracy, and shipping efficiency.
- Key performance indicators (KPIs) for warehouse operations.
- Introduction to predictive analytics for demand forecasting.
- Case Study: Using data analytics to reduce warehouse costs and increase efficiency.

Module 7: Supply Chain Collaboration and ERP Integration

- Importance of collaboration across supply chain stakeholders.
- How ERP systems facilitate communication and data sharing.
- Real-time inventory updates and order tracking for improved decision-making.
- The role of ERP in optimizing supplier and customer relationships.

- Case Study: Streamlining supplier collaboration through ERP integration.

Module 8: Future Trends and Innovations in Warehouse Processes

- Exploring the impact of artificial intelligence (AI) and machine learning (ML) on warehouse management.
- The rise of autonomous vehicles and drones in warehouse operations.
- Benefits of augmented reality (AR) for picking and training processes.
- Cloud-based ERP systems for scalable warehouse management.
- Case Study: Implementing AI to optimize inventory forecasting in a global supply chain.

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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