# Process Manufacturing in ERP Training Course

Professional Development Training Course Outline

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

## Course Introduction

Process Manufacturing in ERP Training Course is meticulously designed for professionals seeking mastery in enterprise resource planning (ERP) systems tailored for process manufacturing industries. This program equips participants with advanced skills in production planning, quality management, inventory optimization, and compliance tracking, empowering organizations to achieve operational excellence and profitability. Leveraging real-world scenarios and industry-specific case studies, learners gain the expertise to streamline batch production, formula management, and regulatory reporting, ensuring efficiency in complex manufacturing environments.

With an emphasis on digital transformation, data-driven decision-making, and supply chain optimization, this course addresses the evolving demands of smart manufacturing. Participants will explore how ERP solutions integrate with IoT, AI-driven analytics, and predictive maintenance, enabling proactive management of resources and minimizing production bottlenecks. By the end of the course, learners will be proficient in implementing ERP strategies that enhance operational agility, cost reduction, and compliance adherence, positioning them as key contributors to their organizations' growth and sustainability.

## Programme Curriculum

**Process Manufacturing in ERP Training Course**

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**Course Duration**

5 days

**Course Objectives**

1. Understand ERP fundamentals specific to process manufacturing.
2. Implement production planning and scheduling in ERP systems.
3. Optimize inventory and warehouse management for raw materials and finished goods.
4. Master batch production and recipe/formula management.
5. Ensure quality control and compliance tracking in manufacturing operations.
6. Integrate ERP with IoT and smart manufacturing solutions.
7. Leverage data analytics for operational efficiency.
8. Streamline supply chain and procurement processes.
9. Implement cost control and financial management in manufacturing ERP.
10. Enable real-time reporting and KPI tracking for decision-making.
11. Apply predictive maintenance and resource optimization strategies.
12. Handle regulatory compliance and documentation digitally.
13. Develop skills for digital transformation and process automation in manufacturing.

**Target Audience**

1. Production Managers
2. ERP Consultants
3. Supply Chain and Logistics Professionals
4. Quality Assurance Managers
5. Process Engineers
6. IT Professionals in Manufacturing
7. Operations Analysts
8. Manufacturing Executives

**Course Modules**

**Module 1: Introduction to ERP in Process Manufacturing**

- Overview of ERP systems for manufacturing
- Key benefits of ERP adoption
- Understanding process vs discrete manufacturing
- ERP architecture and modules
- Case Study: Successful ERP implementation in a chemical plant

**Module 2: Production Planning and Scheduling**

- Forecasting and demand planning
- Master Production Schedule (MPS) creation
- Resource allocation and capacity planning
- Production order management
- Case Study: Optimizing production schedules in a food processing unit

**Module 3: Inventory and Warehouse Management**

- Raw material tracking and batch management
- Finished goods storage and dispatch
- Material requirement planning (MRP)
- Stock valuation and reporting
- Case Study: Reducing inventory holding costs in a beverage manufacturing company

**Module 4: Batch and Formula Management**

- Recipe/formula creation and modification
- Version control for formulas
- Batch processing and traceability
- Scaling formulas for production
- Case Study: Managing multi-location production for a chemical manufacturer

**Module 5: Quality Management**

- Quality assurance frameworks in ERP
- Inspection planning and results recording
- Non-conformance handling
- Compliance with industry standards
- Case Study: Enhancing QA processes in a pharmaceutical company

**Module 6: Supply Chain and Procurement Management**

- Vendor management and procurement planning
- Purchase order automation
- Material requisition processes
- Supplier performance tracking
- Case Study: Streamlining procurement in a dairy processing plant

**Module 7: Financial Management in Manufacturing ERP**

- Costing and budgeting in ERP
- Variance analysis and cost control
- Integration with accounts and finance modules
- Real-time financial reporting
- Case Study: Reducing operational costs in a cosmetics manufacturing firm

**Module 8: Digital Transformation and Analytics**

- ERP integration with IoT and AI
- Predictive maintenance using ERP data
- KPI tracking and dashboards
- Advanced analytics for decision-making

- Case Study: Implementing predictive analytics in a paint manufacturing company

### 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 |

| Start Date | End Date | Location | Price |
|---|---|---|---|
| **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:

**Register Online Now**

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