Datastat Research
Building Capacity in Training and Research

DATASTAT TRAINING IN

OFFICIAL COURSE PROSPECTUS

Center for Advanced Research & Professional Development

Nairobi Training Center • Global Virtual Academy • Corporate On-Site

ENTERPRISE RESOURCE PLANNING (ERP)

Process Manufacturing in ERP Training Course

Comprehensive Course Syllabus, Practical Modules & Upcoming Schedules

PROGRAM SPECIFICATIONS & HIGHLIGHTS

DURATION
5 Days Practical Hands-on

DELIVERY MODES
In-Person Class & Live Virtual

CERTIFICATION
Accredited Certificate of Completion

INTAKES / DATES
Multiple Cohort Schedules Included

PREPARED FOR:

Valued Participant

Email: training@datastatresearch.org | Issued: November 21, 2026

Academic & Professional Training Year: 2026

DATASTAT TRAINING INSTITUTE

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Process Manufacturing in ERP Training Course

Enterprise Resource Planning (ERP) • 5 Days Intensive • Accredited Certification

Course Overview

Process Manufacturing in ERP Training Course is meticulously designed for professionals seeking mastery in enterprise resource planning (ERP) systems tailored for process manufacturing industries

Upcoming Training Schedules

Confirmed cohort intakes and venues. Both physical in-person classroom and live virtual online seats are available.

TRAINING DATES	LOCATION / VENUE	FORMAT / DURATION	INVESTMENT (FEE)
29 Dec 2025 – 2 Jan 2026	Nairobi	Classroom / 5d	**$1,500 USD / KES 110,000**
29 Dec 2025 – 2 Jan 2026	Kigali	Classroom / 5d	**$3,000 USD / KES 90,000**
29 Dec 2025 – 2 Jan 2026	Dubai	Classroom / 5d	**$5,000 USD / KES 90,000**
29 Dec 2025 – 2 Jan 2026	Cape Town	Classroom / 5d	**$4,500 USD / KES 90,000**
29 Dec 2025 – 2 Jan 2026	Addis Ababa	Classroom / 5d	**$3,000 USD / KES 90,000**
29 Dec 2025 – 2 Jan 2026	Singapore	Classroom / 5d	**$5,000 USD / KES 90,000**
29 Dec 2025 – 2 Jan 2026	Istanbul	Classroom / 5d	**$5,000 USD / KES 90,000**
29 Dec 2025 – 2 Jan 2026	Bangkok	Classroom / 5d	**$5,000 USD / KES 90,000**
29 Dec 2025 – 2 Jan 2026	Accra	Classroom / 5d	**$4,000 USD / KES 90,000**
5 Jan 2026 – 9 Jan 2026	Nairobi	Classroom / 5d	**$1,500 USD / KES 110,000**
5 Jan 2026 – 9 Jan 2026	Kigali	Classroom / 5d	**$3,000 USD / KES 90,000**
5 Jan 2026 – 9 Jan 2026	Dubai	Classroom / 5d	**$5,000 USD / KES 90,000**

* Corporate discounts and customized cohort scheduling are available for teams of 3 or more participants.

Course Curriculum & Modules

Process Manufacturing in ERP Training 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.

Course Duration

5 days

Course Objectives

- Understand ERP fundamentals specific to process manufacturing.
- Implement production planning and scheduling in ERP systems.

- Optimize inventory and warehouse management for raw materials and finished goods.
- Master batch production and recipe/formula management.
- Ensure quality control and compliance tracking in manufacturing operations.
- Integrate ERP with IoT and smart manufacturing solutions.
- Leverage data analytics for operational efficiency.
- Streamline supply chain and procurement processes.
- Implement cost control and financial management in manufacturing ERP.
- Enable real-time reporting and KPI tracking for decision-making.
- Apply predictive maintenance and resource optimization strategies.
- Handle regulatory compliance and documentation digitally.
- Develop skills for digital transformation and process automation in manufacturing.

Target Audience

- Production Managers
- ERP Consultants
- Supply Chain and Logistics Professionals
- Quality Assurance Managers
- Process Engineers
- IT Professionals in Manufacturing
- Operations Analysts
- 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@datastatresearch.org or call +254724527104

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 DATASTAT CONSULTANCY LTD account, as indicated in the invoice so as to enable us prepare better for you.

Certification & Learning Methodology

- Hands-on practical delivery with real-world datasets, case studies, and lab exercises.
- Post-training mentorship, access to class resources, and customized follow-up support.
- Participants who successfully complete the course receive an accredited Datastat Certificate of Completion.

How to Enroll & Reserve Your Seat

1. Online Registration: Visit https://datastatresearch.org/courses/process-manufacturing-in-erp-training-course to register online.
2. Email Booking: Send participant details to training@datastatresearch.org for official invoice & reservation.
3. Support & Assistance: Inquire via phone +254 724 527 104 | +254 734 969 612.