SAP S/4HANA Manufacturing Execution 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 industrial landscape, digital transformation is no longer optional it’s essential. SAP S/4HANA Manufacturing Execution (ME) empowers organizations to streamline production operations, enhance real-time visibility, and achieve operational excellence across the manufacturing value chain. SAP S/4HANA Manufacturing Execution Training Course provides professionals with a comprehensive, hands-on understanding of SAP S/4HANA ME, enabling them to leverage intelligent manufacturing, IoT integration, and data-driven decision-making to optimize production efficiency.

By combining industry best practices, process automation, and advanced analytics, this course equips learners to manage complex manufacturing environments efficiently. Participants will gain expertise in shop floor execution, material flow management, and production order monitoring, while developing the skills to implement SAP S/4HANA ME solutions in real-world scenarios. This program is ideal for professionals aiming to drive digital manufacturing strategies and achieve sustainable competitive advantages.

Programme Curriculum

SAP S/4HANA Manufacturing Execution Training Course

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Course Duration

5 days

Course Objectives

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

1. Implement SAP S/4HANA ME for smart manufacturing operations.
2. Streamline shop floor execution for optimized production performance.
3. Integrate real-time IoT data with SAP S/4HANA ME for actionable insights.
4. Monitor production orders and material movements efficiently.
5. Leverage data-driven analytics for informed decision-making.
6. Apply quality management practices to minimize defects.
7. Automate production workflows for improved operational efficiency.
8. Enhance inventory and material tracking using SAP S/4HANA ME.
9. Implement traceability solutions for regulatory compliance.
10. Optimize resource utilization across manufacturing operations.
11. Use digital dashboards for real-time production monitoring.
12. Address manufacturing challenges with SAP best practices.
13. Develop skills for end-to-end production planning and execution.

Target Audience

1. Manufacturing managers
2. SAP consultants
3. Production supervisors
4. Process engineers
5. IT professionals in manufacturing
6. Supply chain managers
7. Quality assurance specialists
8. Digital transformation leaders

Course Modules

Module 1: Introduction to SAP S/4HANA Manufacturing Execution

- Overview of SAP S/4HANA ME architecture
- Key functionalities and features
- Role of ME in digital manufacturing
- Integration with SAP ERP and MES systems
- Case Study: Implementing ME in an automotive production line

Module 2: Production Order Management

- Creating and managing production orders

- Scheduling and capacity planning
- Real-time order tracking and monitoring
- Handling order confirmations and completion
- Case Study: Optimizing production order flow in electronics manufacturing

Module 3: Shop Floor Execution

- Work center management and task assignment
- Recording production activities
- Monitoring operator performance
- Real-time production dashboards
- Case Study: Reducing downtime in a pharmaceutical plant

Module 4: Material and Inventory Management

- Material flow tracking and stock management
- Integration with warehouse operations
- Handling goods receipts and issues
- Batch management and traceability
- Case Study: Streamlining inventory in a food processing unit

Module 5: Quality Management in ME

- Quality inspection planning
- Recording inspection results
- Defect tracking and analysis
- Integration with production operations
- Case Study: Enhancing quality control in chemical manufacturing

Module 6: Reporting and Analytics

- Standard and custom reports
- Production KPIs and dashboards
- Trend analysis and predictive insights
- Integration with SAP Analytics Cloud
- Case Study: Leveraging analytics for continuous improvement in electronics manufacturing

Module 7: Automation and IoT Integration

- Connecting IoT devices to SAP S/4HANA ME
- Automated data capture on the shop floor
- Real-time alerts and notifications
- Smart factory use cases
- Case Study: IoT-enabled predictive maintenance in automotive assembly

Module 8: Best Practices and Implementation Strategies

- ME implementation roadmap
- Change management strategies
- Risk mitigation in digital transformation
- Leveraging SAP Activate methodology
- Case Study: Successful ME deployment in a consumer goods 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
23 Nov 2026	27 Nov 2026	Physical	$3,000

Start Date	End Date	Location	Price
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