SAP S/4HANA Production Planning (PP) 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 rapidly evolving manufacturing landscape, organizations are striving for operational excellence, efficiency, and real-time decision-making. SAP S/4HANA Production Planning (PP) offers an advanced, integrated solution to streamline production processes, optimize resource utilization, and enhance supply chain visibility. SAP S/4HANA Production Planning (PP) Training Course equips professionals with in-depth knowledge of SAP S/4HANA PP functionalities, including demand planning, material requirements planning (MRP), production scheduling, capacity planning, and shop floor execution. Participants will gain hands-on expertise to drive productivity, reduce lead times, and support smart manufacturing initiatives leveraging Industry 4.0 principles.

This SAP S/4HANA PP course combines theoretical insights with practical, real-world case studies, empowering learners to implement production strategies efficiently. Emphasizing digital transformation, automation, and data-driven decision-making, the program prepares participants to tackle complex production challenges while optimizing resources and minimizing operational risks. By mastering SAP S/4HANA PP, professionals can elevate manufacturing performance, enhance inventory management, and contribute to sustainable, agile business operations.

Programme Curriculum

SAP S/4HANA Production Planning (PP) Training Course

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Course Duration

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Course Objectives

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

1. Understand the fundamentals of SAP S/4HANA Production Planning (PP) and its integration with supply chain modules.
2. Master Material Requirements Planning (MRP) for efficient production scheduling and inventory optimization.
3. Execute demand management processes to align production with market demand.
4. Analyze production orders and monitor shop floor operations for enhanced efficiency.
5. Implement capacity planning techniques to optimize resources and reduce bottlenecks.
6. Leverage SAP S/4HANA PP analytics for data-driven decision-making.
7. Integrate production processes with SAP S/4HANA Finance and Controlling (FICO) for cost-effective manufacturing.
8. Manage repetitive, discrete, and process manufacturing scenarios effectively.
9. Optimize production execution using advanced scheduling and routing strategies.
10. Implement Industry 4.0 practices using SAP S/4HANA PP for smart manufacturing.
11. Improve inventory management through real-time tracking and reporting.
12. Apply case studies to solve complex production challenges in a simulated environment.
13. Enhance operational agility and strategic planning for scalable manufacturing operations.

Target Audience

1. Production Planners
2. SAP Consultants (PP Functional)
3. Manufacturing Engineers
4. Supply Chain Professionals
5. SAP Project Managers
6. Operations Managers
7. Inventory and Warehouse Managers
8. IT Professionals supporting manufacturing modules

Course Modules

Module 1: Introduction to SAP S/4HANA PP

- Overview of SAP S/4HANA and Industry 4.0 integration
- Key features and architecture of SAP PP
- Differences between SAP ECC and S/4HANA PP
- Production Planning business processes overview
- Case Study: Implementing PP in a mid-sized manufacturing unit

Module 2: Master Data in SAP PP

- Material master creation and configuration
- Bill of Materials (BOM) management
- Work center setup and resource planning
- Routing definitions and operations
- Case Study: Optimizing production data for a discrete manufacturing company

Module 3: Demand Management & Forecasting

- Creating sales and production forecasts
- Demand planning techniques and consumption-based planning
- Planning strategies in SAP S/4HANA
- Integration with SAP SD and MM modules
- Case Study: Reducing stock-outs using demand forecasting in FMCG

Module 4: Material Requirements Planning (MRP)

- MRP process overview and settings
- Planning run execution and exception handling
- MRP types and lot-sizing procedures
- MRP live and real-time planning in S/4HANA
- Case Study: Automating MRP to minimize production delays

Module 5: Production Orders & Scheduling

- Creating and managing production orders
- Order release, confirmation, and settlement
- Scheduling techniques and lead time optimization
- Order progress monitoring and reporting
- Case Study: Improving order fulfillment in an automotive plant

Module 6: Capacity Planning & Shop Floor Control

- Work center capacity management
- Finite and infinite scheduling
- Shop floor data collection and real-time monitoring
- Resolving bottlenecks and optimizing resource utilization
- Case Study: Enhancing shop floor productivity in electronics manufacturing

Module 7: Integration with Other SAP Modules

- Integration with SAP MM, SD, and FICO
- Impact of production decisions on procurement and finance

- Real-time reporting using embedded analytics
- Cross-functional process optimization
- Case Study: Streamlining end-to-end production and supply chain operations

Module 8: Advanced SAP PP Features & Industry 4.0

- Repetitive manufacturing and process manufacturing
- Advanced planning and scheduling (APS) tools
- Digital twin and IoT integration for smart manufacturing
- Performance monitoring and continuous improvement strategies
- Case Study: Implementing Industry 4.0 concepts in a smart factory

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

Ready to enroll or request a customized program? Book online or contact us:

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