

SAP S/4 HANA Production Planning Training

COURSE CONTENT

GET IN TOUCH



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About Multisoft

Train yourself with the best and develop valuable in-demand skills with Multisoft Systems. A leading certification training provider, Multisoft collaborates with top technologies to bring world-class one-on-one and certification trainings. With the goal to empower professionals and business across the globe, we offer more than 1500 training courses, which are delivered by Multisoft's global subject matter experts. We offer tailored corporate training; project Based Training, comprehensive learning solution with lifetime e-learning access, after training support and globally recognized training certificates.

About Course

SAP S/4HANA Production Planning (PP) is a core module that enables organizations to effectively plan, schedule, and control manufacturing processes in real-time. Multisoft Systems' SAP S/4HANA Production Planning training is designed to provide learners with the knowledge and skills needed to manage production planning and execution seamlessly within the S/4HANA digital platform.

Module 1: Introduction to SAP PP & QM

- ✓ Overview of SAP ERP & Integration with other modules (MM, SD, FI/CO)
- ✓ Role of PP in manufacturing & QM in product quality lifecycle
- ✓ Master data overview (Material, BOM, Routing, Work Centers, Inspection Plans)

Module 2: Master Data in PP

- ✓ Material Master (PP views)
- ✓ Bill of Materials (BOM)
- ✓ Work Centers & Resources
- ✓ Routing & Production Version
- ✓ Integration of PP master data with other modules

Module 3: Demand Management & MRP

- ✓ Planned Independent Requirements (PIRs)
- ✓ Make-to-Order (MTO) vs Make-to-Stock (MTS)
- ✓ Material Requirement Planning (MRP) concepts
- ✓ MRP Types, Planning Strategies
- ✓ Running MRP & Evaluating Results

Module 4: Production Order Management

- ✓ Creation & Release of Production Orders
- ✓ Order Scheduling & Capacity Planning
- ✓ Material Staging & Goods Issue
- ✓ Confirmation & Goods Receipt
- ✓ Order Settlement & Variance Analysis

Module 5: Shop Floor Control

- ✓ Production Order Lifecycle
- ✓ Backflushing & Automatic Goods Issue

- ✓ Integration with MES (Manufacturing Execution System)
- ✓ Handling Rework & Scrap

Module 6: Advanced PP Concepts

- ✓ Long-Term Planning (LTP)
- ✓ Repetitive Manufacturing (REM)
- ✓ Process Industries (PP-PI) Basics
- ✓ Kanban & Lean Manufacturing
- ✓ Integration with APO/IBP

Module 7: Quality Management Master Data

- ✓ Inspection Characteristics (MICs)
- ✓ Sampling Procedures & Inspection Methods
- ✓ Inspection Plans & Task Lists
- ✓ QM Master Data integration with MM & PP

Module 8: Quality Planning

- ✓ Defining Quality Inspection Plans
- ✓ Linking Inspection Plans to Materials
- ✓ Usage Decision Configurations
- ✓ Setting Quality Information Records (Q-Info Records)

Module 9: Quality Inspection

- ✓ In-Process Inspections (During Production)
- ✓ Goods Receipt Inspections (MM Integration)
- ✓ Production Order Inspections (PP Integration)
- ✓ Results Recording & Defect Recording
- ✓ Usage Decision & Stock Posting

Module 10: Quality Notifications

- ✓ Notification Types (Defect, Internal, Customer, Vendor)
- ✓ Recording Defects & Assigning Tasks
- ✓ Corrective & Preventive Action Management
- ✓ Integration with Plant Maintenance (PM)

Module 11: Quality Control

- ✓ Statistical Process Control (SPC) in SAP
- ✓ Control Charts & Sampling Schemes
- ✓ Vendor Evaluation based on QM Data
- ✓ In-Process Quality Control with PP

Module 12: Quality Certificates & Audits

- ✓ Certificate Profiles & Generation
- ✓ Supplier & Customer Certificates
- ✓ Audit Management in SAP QM
- ✓ Compliance & Regulatory Reporting

Module 13: Integration of PP & QM

- ✓ Linking QM inspection lots with Production Orders
- ✓ Goods Movement & Inspection Processing
- ✓ Handling Rework in PP & QM Integration
- ✓ Cost Analysis & Reporting

Module 14: Reporting & Analytics

- ✓ PP Reports: Order Information System, Capacity Planning, Lead Time Scheduling
- ✓ QM Reports: Quality Notifications, Vendor Evaluation, Defect Reports
- ✓ Use of SAP Fiori Apps for PP & QM

Module 15: Real-Time Scenarios & Case Studies

- ✓ Make-to-Stock & Make-to-Order with Quality Inspection
- ✓ Handling Vendor Quality Issues with Procurement Integration
- ✓ Product Rework Cycle: From Defect to Correction
- ✓ End-to-End Manufacturing & Quality Flow