

Training for SAP S/4HANA in Planning, Manufacturing, Execution (PP)

Upskill to SAP S/4HANA, understand production planning in SAP ERP and innovative logistics and manufacturing functions in S/4HANA, and implement supply chain planning in SAP ERP.

Course Code	Topics for SAP S/4HANA in Planning, Manufacturing, Execution (PP)	Duration in Days (2 hrs / day)
	Beginner	
S4H00	SAP S/4HANA Overview	6
	Intermediate	
S4200	Business Processes in SAP S/4HANA Manufacturing	7
S4210	Basic Data for Manufacturing and Product Management in SAP S/4HANA	6
	Advanced	
S4220	Production Planning in SAP S/4HANA	6
S4225	SAP S/4HANA Manufacturing – Production Orders	6
S4230	Capacity Planning in SAP S/4HANA	3
	Total	34 Days

1. S4H00 - SAP S/4HANA Overview

Content

- SAP S/4HANA Overview
- Navigation
 - SAP Fiori UX
 - SAP Business Client
 - SAP Logon
- System-wide concepts
 - Organizational elements
 - Master data concept (e.g. material master, business partner)

- Logistics capabilities
 - Purchase-to-pay processing
 - Plan-to-Produce processing
 - Order-to-Cash processing
- Embedded Analytics
- SAP Activate
 - Best Practices content

2. S4200 - Business Processes in SAP S/4HANA Manufacturing

Content

- Overview of Supply Chain Planning
 - Supply Chain Planning at a Glance
 - Fiori and System Landscape
- Master Data
 - General Master Data in Manufacturing
 - Master Data for In-house Production
- Demand Planning
 - Principles and Tools for Demand Planning
- Demand Management
 - Demand Management Basics
 - Make-to-Stock Production
 - Make-to-Order Production
- Material Requirements Planning
 - MRP Basics
 - MRP Live
 - Production Planning and Detailed Scheduling
- Overview of Production Execution

- Production Types
- Production with Production Orders
 - Production Orders: Characteristics and Execution
- Production with Process Orders
 - Process Orders: Characteristics and Execution
 - Production with Repetitive Manufacturing
- Repetitive Manufacturing: Characteristics and Execution
 - Material Staging with Kanban
- Kanban: Characteristics and Execution

3. S4210 - Basic Data for Manufacturing and Product Management in SAP S/4HANA

Content

- Master Data for Production
 - Accessing and Creating Types of Data
 - Using Organizational Elements and Master Data in Production
- Material
 - Overview Material
 - Creating a Material
 - Classifying Material
 - Managing the Material
 - Product Master
- Bills of Material (BOMs)
 - Overview: BOM
 - Managing BOMs
 - Changing BOMs with Engineering Change Management (ECM)
 - Mass changes and a browser

- Analyzing BOMs
- Work Centers
 - Creating Work Centers
 - Creating Capacities in a Work Center
- Task Lists
 - Explaining the Structure of a Task List
 - Creating Material Assignments and Component Allocations
 - Creating Sub-operations and User-Defined Fields
 - Creating Production Resources and Tools
 - Analyzing and Changing Task Lists

4. S4220 - Production Planning in SAP S/4HANA

Content

- SAP S/4HANA Production Planning Overview
 - Outlining Production Planning in SAP S/4HANA
 - Considering Prerequisites for Production Planning in SAP S/4HANA
- Master Data for SAP S/4HANA Production Planning
 - Outlining Master Data for SAP S/4HANA Production Planning
- Prerequisites and Tools for Advanced Planning in SAP S/4HANA
 - Outlining Advanced Planning: PP/DS in SAP S/4HANA
 - Reviewing Master Data for Advanced Planning
 - Activating Advanced Planning
 - Evaluating Alerts with the Alert Monitor
 - Planning Production with the Product View
- Demand Management in SAP S/4HANA with Planning Strategies
 - Applying Planning Strategies for Make-to-Order Production

- Applying Planning Strategies for Make-to-Stock Production
- Advanced Production Planning in SAP S/4HANA
 - Exploring Steps in PP/DS Material Requirements Planning
 - Exploring Heuristics and Functions in PP/DS
 - Applying the PP/DS Planning Run
- Detailed Scheduling in SAP S/4HANA
 - Exploring Concepts and Principles for Detailed Scheduling
 - Applying transactional Tools for Detailed Scheduling
 - Applying Apps for Detailed Scheduling
 - Using Detailed Scheduling in the Planning Run
 - Using the PP/DS Optimizer

5. S4225 - SAP S/4HANA Manufacturing – Production Orders

Content

- Introduction to Production Orders
 - Describe SAP Fiori and the system landscape
- Order Processing and Order Structure
 - Describe the various steps of production order processing
 - Describe the structure and elements of a production order
- Order Creation
 - Describe the different ways of creating production orders
 - Define an order type and describe the master data selection for production orders
 - Describe the scheduling of production orders
 - Describe the determination of the planned costs of a production order
- Availability Checks, Capacity Planning, Order Release and Printing

- Set up and execute availability checks for production orders
- Describe the principles of capacity planning
- Release production orders, set up production scheduling profiles and describe the functions of status profiles
- Print shop floor papers
- Order Execution
 - Describe the options of material staging and post goods issues in different scenarios
 - Post confirmations for production orders in different scenarios
 - Post goods receipts for production orders
- Order Settlement, Archiving, and Deletion
 - Settle a production order
 - Archive and delete a production order
- Information Systems, Mass Processing and Automation
 - Provide an overview of important information systems in the production order environment
 - Provide an overview of automation and mass processing functions for production orders

6. S4230 - Capacity Planning in SAP S/4HANA

Content

- Introduction
 - Fiori and System landscape
 - Capacity Planning: Overview
- Capacity Evaluation
 - Work Center Load Report
 - Further Capacity Evaluation Reports
- Capacity Leveling

- Tabular Planning Table
 - Graphical Planning Table
- Further Topics
 - Background Processing
 - Modelling Down Times
