

TECHSCHOLARSS EDUCATION & TRAINING SERVICES PVT LTD

SAP S/4HANA PP – Production Planning Masterclass

SAP S/4HANA PP Training Program

Production Planning • MRP • Capacity Planning • Manufacturing • Production Orders • Variant Configuration • REM • Batch Management • QM/MM Integration

Course Overview

The TechScholarss SAP S/4HANA PP Masterclass is designed around the supplied SAP S/4HANA PP syllabus and covers the complete production-planning lifecycle—from ERP and enterprise structure fundamentals through planning, capacity, manufacturing, master data, production orders, MRP/MPS, variant configuration, batch management, repetitive/discrete manufacturing, and integration with QM and MM.

This program is suitable for learners who want practical understanding of SAP Production Planning and its role in an integrated S/4HANA manufacturing environment.

Course Objectives

- Understand SAP PP and its position within an ERP architecture.
- Understand enterprise structure, factory calendar and planning fundamentals.
- Work with production planning, long-term planning, MPS and MRP concepts.
- Understand capacity planning and manufacturing approaches.
- Build a strong foundation in Material Master, BOM, work centers, routings and production versions.
- Understand production-order lifecycle, availability checks, staging, confirmations and goods receipt.
- Understand variant configuration using classes, variants, classification profiles and dependencies.
- Understand SOP, demand management and material planning.
- Understand MRP/MPS planning runs, planned orders and order conversion.
- Understand batch-management concepts including strategy types, characteristics and SLED.
- Understand repetitive and discrete manufacturing, backflushing and REM profiling.
- Understand integration of SAP PP with QM and MM.

Program Highlights

- S/4HANA-oriented SAP PP curriculum
- End-to-end production planning and execution concepts

- Master data + planning + production order flow
- MPS/MRP and capacity planning focus
- Discrete manufacturing and PP-REM coverage
- Variant configuration and batch management
- Cross-functional QM and MM integration

1. Introduction to SAP PP

- Overview of ERP
- ERP architecture
- Implementation methods
- SAP PP and its role in production planning

2. Enterprise Structure

- Enterprise Structure and its relevance to production planning
- Organizational foundation for SAP PP processes

3. Factory Calendar

- Factory Calendar
- Planning relevance of working days and scheduling

4. Planning

- Production planning
- Long-term planning
- Master Production Scheduling (MPS)
- Material Requirements Planning (MRP)

5. Capacity Planning

- Capacity Planning
- Purchase information report

6. Manufacturing

- Discrete manufacturing
- Production planning
- PP-REM (Repetitive Manufacturing)

7. Master Data

- Material Master
- Bill of Material (BOM)
- Master-data role in production planning

Master Data Foundation

The master-data portion establishes the production-planning foundation needed before planning and execution. Material Master and BOM data are central to determining what is produced, what components are required, and how production planning is structured.

8. Production Order

- Development and release of order
- Planning integration
- Order printing and material staging
- Work Centre and Routing types
- Production version
- Check availability
- Order control and processing
- Confirmation of order
- Receipt of goods
- Information system
- Collective order

Production Order Lifecycle

- Order creation/development → planning integration → release
- Availability checking and material staging
- Work Centre / Routing and production-version usage
- Production execution and order confirmation
- Goods receipt and production information-system review
- Collective-order processing for connected production scenarios

9. Variant Configuration

- Classes and variants
- Classification profile
- Dependencies

10. Sales & Operational Planning

- Product group planning
- Material planning
- Standard planning
- Development of plan
- Demand management

11. Planning Material Requirement

- Master data requirements
- MRP vs MPS
- Master production
- Processed planned orders
- Order conversion
- Master Production Scheduling planning run

Planning & Demand Flow

- Planning begins with the required master data and demand inputs.
- SOP and demand-management concepts support the development of a production plan.
- MPS and MRP distinguish higher-level master scheduling from material requirements planning.
- Planned orders can be processed and converted as part of the production-planning flow.

12. Batch Management

- Condition tables
- Access sequence
- Strategy types
- Classes and characteristics
- SLED in batch in PP
- Automatic and manual batch display

13. Repetitive & Discrete Manufacturing Process

- Master data maintenance
- Production versions
- Backflushing
- REM backflushing
- REM profiling

14. Integration with QM & MM

- Integration with QM
- Integration with MM

Integration Focus

- Understand how SAP PP connects production planning with quality-management processes.
- Understand how PP interacts with materials-management processes.
- Use production master data and execution processes as the bridge between planning and integrated operations.

Tools & Technologies Covered

Area	Coverage
SAP S/4HANA PP	Production Planning and manufacturing processes
ERP	ERP overview, architecture and implementation methods
MPS / MRP	Master scheduling, material planning and planning runs
Production Orders	Order lifecycle, release, staging, confirmation and goods receipt
Master Data	Material Master, BOM, Work Centre, Routing and Production Version concepts
Manufacturing	Discrete Manufacturing and PP-REM
Variant Configuration	Classes, variants, classification profiles and dependencies
Batch Management	Strategy types, characteristics, condition tables, access sequence and SLED
Integration	QM and MM integration

Practical Learning / Project Scenarios

- Production Planning Scenario – create a structured planning flow from demand to MPS/MRP and production execution.
- Production Order Scenario – work through order development, release, availability, staging, confirmation and goods receipt.
- Master Data Scenario – model material and BOM data required for production planning.
- Manufacturing Scenario – compare discrete manufacturing and repetitive manufacturing processes.
- Variant Configuration Scenario – model classes, variants and dependencies for configurable products.
- Batch Management Scenario – understand strategy types, characteristics, SLED and batch display.
- Integration Scenario – map PP touchpoints with QM and MM.

Resume Building & Interview Preparation

- SAP S/4HANA PP terminology and process-flow revision
- Production planning and MRP/MPS interview preparation
- Production-order lifecycle questions
- Master data, BOM, work centre, routing and production-version concepts
- Variant configuration and batch-management concepts
- Discrete manufacturing and PP-REM interview topics
- PP integration with QM and MM
- Scenario-based discussion and project explanation practice

Career Opportunities

- SAP PP Consultant
- SAP S/4HANA PP Functional Consultant
- SAP PP Support Consultant
- SAP Production Planning Analyst
- SAP PP Implementation / Rollout Consultant
- Production Planning Business Analyst
- SAP Manufacturing Process Consultant

Why Choose TechScholarss?

- Industry-oriented SAP learning approach
- Structured module-wise curriculum
- Focus on complete production-planning process understanding
- Practical scenario-based learning
- Interview and career preparation
- Professional training environment under TechScholarss Education & Training Services Pvt Ltd

Certification

On successful completion of the training requirements defined by TechScholarss, learners may receive a course-completion certificate for the SAP S/4HANA PP Masterclass.

Program Outcome

After completing this program, learners should have a structured understanding of SAP S/4HANA Production Planning, including planning fundamentals, capacity planning, manufacturing processes, master data, production orders, MPS/MRP, variant configuration, batch management, repetitive/discrete manufacturing, and PP integration with QM and MM.

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Registered Office: A4, Vistar Colony, Abhay Khand 4, Makanpur, Ghaziabad, Uttar Pradesh — 201301

www.techscholarss.com