



SAP PP — Complete Course Content

WC Skills • World Class Skills Institute

Duration	10 Weeks
Target Audience	Manufacturing and production planning professionals
Prerequisites	Basic manufacturing concepts.

What this document contains

A module-wise training roadmap covering concepts, hands-on labs, project work, assessment checkpoints and interview preparation. The syllabus is designed as a structured course plan for classroom or live-online delivery.

Course Objectives & Learning Outcomes

By the end of this course, learners should be able to explain the core concepts, perform the practical tasks listed in the labs, troubleshoot common scenarios, document their work and complete the capstone with a professional implementation approach.

- Understand the architecture, terminology and end-to-end workflow of the subject.
- Perform guided hands-on exercises using the relevant tools and development/administration environment.
- Apply troubleshooting, testing, documentation and best-practice techniques.
- Build a portfolio-ready capstone demonstrating practical competency.
- Prepare for technical interviews with scenario-based questions and implementation discussions.

Detailed Module-wise Curriculum

Module 1: PP Foundations & Master Data

- Material, BOM and work center
- Routing
- Production versions
- MRP areas
- Production planning structure

Hands-on Lab: Lab: create a simple finished-good master data model.

Module 2: Demand Management & MRP

- Independent requirements
- MRP parameters
- MRP runs
- Planned orders and exceptions
- Capacity awareness

Hands-on Lab: Lab: run a planning scenario and analyze proposals.

Module 3: Production Orders

- Order creation and release
- Components and operations
- Goods issue
- Confirmation
- Goods receipt and settlement overview

Hands-on Lab: Lab: execute a complete production order lifecycle.

Module 4: BOM & Routing

- BOM structures
- Alternative BOMs
- Routing operations
- Sequences
- ECM awareness

Hands-on Lab: Lab: model a multi-level BOM and routing.

Module 5: Capacity Planning

- Work center capacity
- Scheduling
- Capacity requirements
- Load analysis
- Finite planning awareness

Hands-on Lab: Lab: identify and resolve a capacity overload.

Module 6: Integration

- MM integration
- SD integration
- CO integration
- QM integration
- Warehouse integration overview

Hands-on Lab: Lab: trace material and accounting documents through production.

Module 7: Repetitive & Advanced Manufacturing

- Repetitive manufacturing
- Kanban awareness
- Make-to-order
- Process manufacturing overview
- Planning strategies

Hands-on Lab: Lab: compare two production strategies.

Module 8: Support & Capstone

- MRP exception handling
- Order troubleshooting
- Testing and transports
- Reporting
- Capstone production scenario

Hands-on Lab: Lab: document and present an end-to-end manufacturing flow.

Practical Delivery Plan

Phase	Focus	Expected Evidence
1	Concept + demonstration	Notes, diagrams and guided exercises
2	Hands-on practice	Working configuration/code and screenshots/logs
3	Troubleshooting	Issue reproduction, diagnosis and resolution notes
4	Mini project	Functional solution with test cases
5	Capstone	End-to-end project, documentation and presentation

Assessment & Certification Readiness

Recommended assessment pattern: module quizzes (20%), practical labs (30%), mini project (20%), capstone (20%) and interview/viva (10%). Completion certificates, placement support and any certification claims should follow the institute's current published policy and the relevant vendor's certification rules.

Capstone Requirements

- Problem statement and scope
- Architecture/process diagram
- Implementation or configuration
- Test cases and results
- Troubleshooting notes
- User/technical documentation
- Final presentation and interview questions

Interview Preparation Topics

Learners should be able to answer architecture questions, explain the difference between key concepts, troubleshoot a real scenario, justify design choices, discuss performance/security considerations and walk through the capstone from requirement to deployment/support.

Recommended Learning Resources

Use official product documentation and current vendor guidance for version-specific commands, configuration steps and certification requirements. Validate training examples in a non-production environment before applying them to customer systems.