

TECHSCHOLARSS EDUCATION & TRAINING SERVICES PVT LTD

SAP PM Course Curriculum

Plant Maintenance | SAP PM & S/4HANA Asset Management

Industry-focused SAP PM training covering technical objects, functional locations, equipment, maintenance notifications, maintenance orders, preventive maintenance, task lists, maintenance plans, work centers, measuring points, refurbishment, breakdown maintenance, calibration concepts, integration with MM, FI/CO and production, reporting and real-world plant-maintenance projects.

Website: www.techscholarss.com

Course Overview

The SAP PM curriculum is designed to develop practical functional knowledge for plant and asset maintenance processes. It covers maintenance master data, notification and order management, preventive maintenance, planning and scheduling, capacity and resource concepts, spare-parts integration, measurement and maintenance history, settlement and accounting integration, reporting and S/4HANA Asset Management concepts.

Course Objectives

- Understand SAP Plant Maintenance architecture and end-to-end maintenance processes.
- Configure maintenance plants, planning plants, work centers and organizational structures.
- Create and manage functional locations and equipment master data.
- Work with maintenance notifications, catalogs, codes and damage/cause activities.
- Create, plan, schedule, execute and technically complete maintenance orders.
- Configure preventive maintenance plans, task lists and maintenance strategies.
- Understand breakdown, corrective and preventive maintenance scenarios.
- Work with measuring points, measurement documents and counters.
- Understand refurbishment, calibration and maintenance-resource concepts.
- Integrate SAP PM with MM, FI/CO, Production and Procurement processes.
- Use maintenance reporting, monitoring and troubleshooting techniques.
- Apply SAP PM knowledge to real-world implementation and production-support projects.

Module 1: SAP PM Introduction & Architecture

Tools Covered: SAP PM, SAP S/4HANA Asset Management, SAP GUI/Fiori

- Introduction to SAP Plant Maintenance
- Maintenance business processes
- Corrective, preventive and breakdown maintenance
- SAP PM architecture and major components
- Maintenance lifecycle overview
- Integration with logistics and finance
- SAP PM and S/4HANA Asset Management overview
- Implementation, rollout and support lifecycle
- Functional consultant responsibilities

Module 2: Enterprise & Maintenance Organization Structure

Tools Covered: SPRO, Organizational Structure

- Company code and plant concepts
- Maintenance plant
- Maintenance planning plant
- Maintenance planner group
- Maintenance work center
- Plant and storage-location assignments
- Purchasing and inventory relationships
- Organizational assignments
- Maintenance-structure design scenarios

Module 3: Functional Locations

Tools Covered: IL01, IL02, IL03, Fiori

- Functional location concepts
- Functional location structures
- Hierarchy and labeling
- Category and structure indicators
- Location and account-assignment data
- Maintenance-relevant organizational data
- Object lists and equipment assignment
- Functional location history
- Master-data maintenance and troubleshooting

Module 4: Equipment Master Data

Tools Covered: IE01, IE02, IE03, Fiori

- Equipment concepts and categories
- Equipment creation and installation
- Technical identification
- Manufacturer and model information
- Equipment location and organizational data
- Equipment hierarchy
- Equipment history
- Serial-number integration
- Equipment transfer and dismantling
- Equipment master-data troubleshooting

Module 5: Maintenance Notifications

Tools Covered: IW21, IW22, IW23, Notification Management

- Maintenance notification process
- Notification types
- Problem, malfunction and activity reporting
- Catalogs and code groups
- Damage, cause and activity codes
- Priority and urgency
- Notification status management
- Tasks and activities
- Notification completion
- Notification reporting and analysis

Module 6: Maintenance Orders

Tools Covered: IW31, IW32, IW33, Order Management

- Maintenance order concepts
- Order types
- Order creation and reference
- Technical object assignment
- Operations and sub-operations
- Components and spare parts
- Work centers and capacities
- Internal and external services
- Order status management
- Order completion and history

Module 7: Maintenance Planning & Scheduling

Tools Covered: IW38, IW39, Scheduling

- Maintenance-order planning
- Capacity requirements
- Work-center scheduling
- Basic dates and scheduled dates
- Material availability
- Resource planning
- Operation sequencing
- Dispatching concepts
- Planning-board overview
- Maintenance scheduling and monitoring

Module 8: Preventive Maintenance

Tools Covered: IP01, IP02, IP03, Maintenance Plans

- Preventive maintenance concepts
- Maintenance plans
- Maintenance items
- Time-based maintenance
- Performance-based maintenance
- Strategy-based maintenance
- Maintenance packages
- Scheduling parameters
- Call objects and maintenance orders
- Preventive-maintenance monitoring

Module 9: Task Lists & Maintenance Strategies

Tools Covered: IA05, IA06, Task Lists

- Task-list concepts
- General maintenance task lists
- Equipment task lists
- Functional-location task lists
- Operations and sequences
- Standard texts and work centers
- Maintenance strategies
- Packages and cycles
- Task-list assignment to orders
- Reusable maintenance planning

Module 10: Measuring Points, Counters & Measurement

Tools Covered: IK01, IK11, Measuring Documents

- Measuring-point concepts
- Counter-based maintenance
- Measurement characteristics
- Measurement documents
- Target and threshold values
- Counter readings
- Maintenance scheduling from measurements
- Measurement history
- Exception and limit monitoring
- Measurement-data troubleshooting

Module 11: Spare Parts & MM-PM Integration

Tools Covered: SAP MM, MIGO, Reservation, Purchase Requisition

- PM-MM integration overview
- Material master for maintenance
- Reservations for maintenance orders
- Goods issue to maintenance orders
- Purchase requisitions
- External procurement
- Purchase orders and services
- Goods receipt
- Material availability
- Spare-parts planning and troubleshooting

Module 12: External Services & Procurement

Tools Covered: SAP MM, Service Procurement

- External maintenance services
- Service specifications
- Purchase requisitions and purchase orders
- Service entry concepts
- Goods/service acceptance
- Vendor integration
- External-work costing
- Procurement status monitoring
- MM-PM integration troubleshooting

Module 13: Maintenance Costing & FI/CO Integration

Tools Covered: SAP FI/CO, Settlement, Cost Centers

- Maintenance-order costing
- Cost elements and cost centers
- Planned and actual costs
- Material, labor and external-service costs
- Internal activity allocation
- Settlement concepts
- Order settlement to cost centers and other receivers
- Budget and cost monitoring
- FI/CO integration
- Cost-analysis troubleshooting

Module 14: Breakdown, Corrective & Emergency Maintenance

Tools Covered: SAP PM, Notifications, Orders

- Breakdown-maintenance process
- Emergency maintenance
- Malfunction notification
- Immediate maintenance orders
- Priority management
- Repair and restoration process
- Downtime recording
- Root-cause analysis
- Technical completion
- Breakdown reporting and KPIs

Module 15: Refurbishment, Calibration & Specialized Maintenance

Tools Covered: SAP PM, Equipment, Materials

- Refurbishment process overview
- Refurbishment orders
- Repairable spare parts
- Equipment and material tracking
- Calibration-maintenance concepts
- Inspection and measurement integration
- Quality-management integration overview
- Specialized maintenance scenarios
- Refurbishment cost tracking

- Special-process troubleshooting

Module 16: SAP S/4HANA Asset Management & Fiori

Tools Covered: SAP S/4HANA, Fiori, Asset Management

- S/4HANA Asset Management overview
- Technical-object management in S/4HANA
- Fiori maintenance applications
- Maintenance-request and notification apps
- Maintenance-order apps
- Situation monitoring and analytics overview
- Simplification concepts relevant to PM
- Embedded analytics
- Migration and transition considerations
- Modern asset-management processes

Module 17: Real-World SAP PM Projects

Tools Covered: SAP PM, S/4HANA, MM, FI/CO

- Maintenance organizational-structure project
- Functional-location hierarchy project
- Equipment-master implementation
- Notification-management project
- Maintenance-order implementation
- Preventive-maintenance plan project
- Task-list and maintenance-strategy project
- Spare-parts and MM integration project
- Maintenance costing and FI/CO integration
- Breakdown-maintenance scenario
- Refurbishment and calibration scenario
- End-to-end SAP PM implementation and production-support case study

Module 18: Resume Building & Interview Preparation

Tools Covered: SAP PM Scenarios, Mock Interviews

- SAP PM resume preparation
- Project profile preparation
- End-to-end maintenance-process explanation
- Technical-object questions
- Notification and catalog questions
- Maintenance-order questions
- Preventive-maintenance questions
- Task-list and strategy questions
- MM-PM integration questions
- FI/CO integration questions
- S/4HANA Asset Management questions
- Scenario-based troubleshooting and mock interviews

Tools & Technologies Covered

- SAP PM / Plant Maintenance
- SAP S/4HANA Asset Management
- SAP GUI and SAP Fiori
- Functional Locations
- Equipment Master
- Maintenance Notifications
- Maintenance Orders

- Maintenance Plans and Items
- Task Lists and Maintenance Strategies
- Work Centers and Capacity Planning
- Measuring Points and Counters
- Spare Parts and MM-PM Integration
- External Services and Procurement
- FI/CO Integration and Settlement
- Maintenance Reporting and Analytics

Career Opportunities After This Program

- SAP PM Consultant
- SAP S/4HANA Asset Management Consultant
- SAP PM Functional Consultant
- SAP Plant Maintenance Consultant
- SAP EAM Consultant
- SAP Maintenance Management Consultant
- SAP PM Support Consultant
- SAP Asset Management Consultant
- SAP Logistics Functional Consultant
- SAP Maintenance Business Analyst
- SAP Implementation Consultant
- SAP Application Support Consultant

Why Choose TechScholarss?

- Industry-oriented SAP PM curriculum
- Hands-on maintenance-process practice
- Real-world breakdown and preventive-maintenance scenarios
- Live project-based learning
- Practical technical-object and order-management exercises
- Experienced trainers
- Flexible online and offline batches
- Resume and interview preparation
- Internship support
- Placement assistance
- Industry-focused certification

Certification & Program Outcome

Students completing the program can receive a TechScholarss SAP PM Course Certificate, subject to the institute's completion criteria. By the end of the program, learners should be able to understand SAP PM architecture, configure maintenance organizational structures, manage functional locations and equipment, process notifications and maintenance orders, configure preventive-maintenance plans and task lists, manage measuring points, understand MM and FI/CO

integration, work with S/4HANA Asset Management capabilities and participate in real-world SAP PM implementation and production-support projects.

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