



SAP MM S/4HANA Mastery Program

Course Overview

The TechScholarss SAP MM S/4HANA Mastery Program is an industry-focused training program designed around SAP S/4HANA Materials Management, covering configuration, master data, procurement, MRP, inventory management, invoice processing, reporting, integration, and modern S/4HANA business processes.

The program preserves the S/4HANA-specific topics from the reference syllabus, including HANA architecture and deployment, MM organizational structure, material master changes, Business Partners, purchasing documents, special procurement, external services, MRP Live, Fiori MRP apps, MRP simplification, DDMRP, inventory management, physical inventory, invoice verification, FI-MM and MM-PP integration.

Course Objectives

- Understand SAP S/4HANA MM architecture, history, releases and naming conventions.
- Configure and understand the SAP MM organizational structure.
- Work with Material Master and S/4HANA material master changes.
- Understand Material Master field length extension, MRP simplification and SERV material type.
- Work with Business Partners, BP relationships, roles and Customer-Vendor Integration.
- Create and manage Purchasing Info Records.
- Execute Purchase Requisitions, RFQs, Purchase Orders, Scheduling Agreements and Contracts.
- Understand mass changes and purchasing document release procedures.
- Work with Stock Transport Orders, Subcontracting, Consignment and Pipeline processes.
- Understand External Service Management and service invoice verification.
- Run and evaluate MRP Live using SAP Fiori.
- Understand MRP Areas, Storage Location Planning simplification and Simplified Sourcing.
- Learn Demand Driven MRP including buffer profiles and operational/configuration apps.
- Manage inventory, goods receipts, goods issues, stock identification and stock transfers.
- Perform physical inventory and invoice processing/verification.
- Understand FI-MM and MM-PP integration and real-world S/4HANA MM processes.

Module 1: Introduction to S/4HANA MM

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

- Introduction to S/4HANA MM Training
- S/4HANA Overview
- HANA Architecture and Deployment
- S/4HANA History, Releases and Naming Conventions
- S/4HANA MM Functional Overview
- Modern SAP MM User Experience

Module 2: S/4HANA MM Organizational Structure

Tools Covered: SAP MM Configuration, SPRO

- Define MM Organizational Structure
- Assign MM Organizational Structure
- Company Code, Plant and Storage Location
- Purchasing Organization and Purchasing Group
- Enterprise Structure Design
- Organizational Assignment Scenarios

Module 3: Material Master

Tools Covered: Material Master, S/4HANA MM

- Material Master
- Maintaining Material Master



- Material Master Field Length Extension
- MRP Fields Simplification
- New Material Type SERV
- Material Type Customizing
- Material Number Range
- Field Selection Control



Module 4: Business Partners

Tools Covered: Business Partner, BP Roles

- Introduction to Business Partners
- Maintaining Business Partners
- BP Relationships
- BP Tables
- Customizing BP Roles
- Customer Vendor Integration

Module 5: Purchasing Info Record

Tools Covered: Purchasing Info Record, SAP MM

- Purchasing Info Record
- Info Record Master Data
- Customizing
- Vendor-Material Purchasing Relationship
- Purchasing Information Maintenance

Module 6: Purchasing Documents

Tools Covered: SAP MM-PUR

- Purchase Requisition
- Request for Quotation
- Purchase Orders
- Scheduling Agreement
- Contracts
- Mass Changing Purchasing Documents
- Document Release Procedure
- Purchase Document Type Customizing



Module 7: Special Procurement Types

Tools Covered: SAP MM Procurement

- Stock Transport Order
- Subcontracting
- Consignment
- Pipeline Process
- Special Procurement Scenarios
- Procurement Process Execution

Module 8: External Service Management

Tools Covered: SAP MM-SRV

- Introduction to External Service Management
- Service Master Record and Conditions
- Service Order
- Service Entry Sheet and Invoice Verification
- Blanket Purchase Order

Module 9: MRP Basics & Running MRP

Tools Covered: S/4HANA MRP, MRP Live

- Introduction to MRP in S/4HANA
- MRP Technical Changes
- MRP Live
- Running MRP in SAP Fiori
- Classic MRP vs MRP Live



Module 10: Evaluating MRP Results in Fiori

Tools Covered: SAP Fiori MRP Apps

- Getting Started with Fiori MRP Apps
- Monitor Material Coverage
- Monitor Internal Requirements
- Monitor External Requirements
- Monitor Production and Process Orders
- Manage Change Request
- Display MRP Material Issues

Module 11: Improving MRP Live Performance

Tools Covered: MRP Live, SAP Notes

- Analyzing MRP Live Performance Log
- MRP Live Performance Analysis
- MRP Live SAP Notes and Study Materials
- Performance Improvement Concepts

Module 12: MRP Simplification

Tools Covered: S/4HANA MRP

- MRP Areas
- Storage Location Planning Simplification
- Simplified Sourcing



Module 13: Demand Driven MRP

Tools Covered: DDMRP, SAP Fiori Apps

- Understanding DDMRP
- Introduction to DDMRP
- Buffer Profile Maintenance
- Configurational Apps
- Operational Apps
- Demand-Driven Planning Concepts

Module 14: Inventory Management

Tools Covered: SAP MM-IM

- Introduction to Inventory Management
- Customizing Inventory Management
- Number Assignment Customizing
- Movement Types Customizing

Module 15: Goods Receipt

Tools Covered: SAP MM Goods Movement

- Goods Receipt for Purchase Order
- Goods Receipt for Production Order
- Goods Receipt for Inbound Delivery
- Goods Receipt without Reference
- Auto Purchase Order Creation during Goods Receipt



Module 16: Goods Issue

Tools Covered: SAP MM Goods Movement

- Goods Issue to Production Order
- Goods Issue to Outbound Delivery
- Goods Issue without Reference
- Goods Issue Postings
- Goods Issue Reversal

Module 17: Stock Identification & Stock Transfer

Tools Covered: SAP MM Inventory Management

- Stock: Single Material
- Stock: Multiple Materials
- Stock Overview Display - MMBE
- Stock Transfer: In Plant
- Stock Transfer: Cross Plant
- Post Goods Movement
- Overdue Materials: Stock in Transit

Module 18: Inventory Management Reporting

Tools Covered: SAP MM Reporting, SAP Fiori

- Inventory Overview Pages
- Goods Movement Reporting
- Financial Inventory Values Reporting
- Inventory Management Analytics



Module 19: Physical Inventory

Tools Covered: SAP MM Physical Inventory

- Introduction to Physical Inventory
- Physical Inventory Execution
- Physical Inventory Monitoring and Reporting

Module 20: Invoice Processing & Verification

Tools Covered: SAP MM Invoice Verification

- Overview of Invoice Processing
- Types of Invoice Verification
- Invoice Parking and Holding
- Credit Memo, Subsequent Credit and Debit
- Invoice Reduction
- Evaluated Receipt Settlement (ERS)
- Invoice Blocking and Tolerance Limits
- Taxes
- Duplicate Invoice Check
- FI-MM Integration Customizing

Module 21: Integration & End-to-End Processes

Tools Covered: SAP MM, FI-MM, MM-PP

- MM-FI Integration
- MM-PP Integration
- Procurement to Inventory Process
- Purchasing to Goods Receipt
- Goods Movement to Invoice Verification
- MRP to Procurement
- End-to-End S/4HANA MM Business Process



Real-World SAP MM S/4HANA Projects

- S/4HANA MM Organizational Structure Configuration
- Material Master and SERV Material Type Scenario
- Business Partner and Customer-Vendor Integration Project
- Purchasing Info Record Project
- Complete Purchase Requisition to Purchase Order Process
- RFQ and Vendor Quotation Scenario
- Scheduling Agreement and Contract Scenario
- Purchase Document Release Workflow
- Stock Transport Order Project
- Subcontracting and Consignment Scenario
- External Service Management and Service Entry Project
- MRP Live and Fiori MRP Monitoring Project
- DDMRP Buffer Profile and Operational App Scenario
- Inventory, Goods Receipt and Goods Issue Project
- Stock Transfer and Stock-in-Transit Scenario
- Physical Inventory and Reconciliation Project
- Invoice Verification and FI-MM Integration Project

Resume Building & Interview Preparation

- SAP MM S/4HANA Resume Preparation
- LinkedIn Optimization
- SAP MM Project Profile Building
- Business Process Explanation
- S/4HANA Architecture and MM Changes Questions
- Material Master Questions
- Business Partner Questions
- Purchasing and Procurement Questions
- MRP and MRP Live Questions
- DDMRP Questions
- Inventory Management Questions
- Goods Movement Questions
- Invoice Verification Questions
- FI-MM and MM-PP Integration Questions
- Scenario-Based SAP Questions
- Mock Interviews and HR Preparation Sessions

Tools & Technologies Covered

- SAP S/4HANA MM
- HANA Architecture Concepts
- SAP GUI
- SAP Fiori
- Material Master
- Business Partner
- Purchasing Info Records
- Purchase Requisition, RFQ and Purchase Orders
- Scheduling Agreements and Contracts
- Stock Transport Orders
- Subcontracting
- Consignment
- Pipeline Process
- External Service Management
- MRP Live
- Fiori MRP Apps
- MRP Areas



- DDMRP
- Inventory Management
- Goods Receipt and Goods Issue
- Stock Transfer
- Physical Inventory
- Invoice Verification
- FI-MM Integration
- MM-PP Integration

Career Opportunities After This Program

- SAP MM Consultant
- SAP S/4HANA MM Consultant
- SAP Procurement Consultant
- SAP Materials Management Consultant
- SAP Functional Consultant
- SAP MM Support Consultant
- SAP Purchasing Consultant
- SAP Inventory Management Consultant
- SAP Supply Chain Consultant
- SAP Procurement Business Analyst
- SAP Functional Support Analyst
- SAP Implementation Consultant

Why Choose TechScholarss?

- Industry-Oriented SAP S/4HANA MM Curriculum
- Hands-on SAP Configuration Training
- Live Project-Based Learning
- Real-World Procurement & Inventory Scenarios
- End-to-End S/4HANA MM Process Practice
- Fiori-Based Practical Learning
- Expert Trainers
- Flexible Online & Offline Batches
- Internship Support
- Placement Assistance
- Industry Certification

Certification

Students will receive a TechScholarss SAP MM S/4HANA Certification after successful completion of the program.

Program Outcome

By the end of this program, students will be able to understand SAP S/4HANA MM architecture and organizational structure, manage Material Master and Business Partners, execute purchasing processes, work with special procurement and external services, run and evaluate MRP Live through Fiori, understand MRP simplification and DDMRP, manage inventory and goods movements, perform stock transfers and physical inventory, process and verify invoices, and understand FI-MM and MM-PP integration in real-world S/4HANA MM business scenarios.