



SAP LOGISTICS BUNDLE COURSE

- SAP PM
- SAP MM
- SAP QM
- SAP PP
- SAP WM
- SAP SD
- SAP S/4HANA Logistics

SAP Logistics Bundle Course

Duration: 200 Hours

Course Curriculum

SAP PM (Plant Maintenance)

- 1) **Overview: SAP**
 - a) SAP Business Suite
 - b) Navigation (system handling)
 - c) Plant Maintenance Overview
- 2) **PM Organizational Structure**
 - a) Maintenance Plant
 - b) Planning Plant
 - c) Planner Groups
- 3) **Master Data**

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- a) Material Master
- b) Equipment BOM
- c) Equipment Task list
- d) Functional Location
- e) Equipment
- f) Work Center
- g) Class
- h) Characteristics
- i) Codes and Catalogs
- j) Tasks and Activities
- k) Standard Text Keys
- l) Measuring Point and Measuring counter

4) Maintenance Processing - Planning

- a) Breakdown and Corrective Maintenance
- b) Creation of Maintenance Notification
- c) Employee Planning in operation and Split
- d) Material Requirement Planning
- e) Release of Maintenance Notification
- f) Maintenance Order creation from Notification
- g) Purchase Order creation of Maintenance Materials

5) Execution of Maintenance Processing

- a) Maintenance Order Release
- b) Closing of Maintenance Order
- c) Confirmation of Maintenance Order
- d) Closing of Maintenance Order
- e) Goods issue for Maintenance Order
- f) Creation of Measuring Document

6) Execution of MM Integration Processes

- a) Creation of Purchase Requisition
- b) Creation of Purchase Order
- c) Posting Goods Receipt Via MIGO
- d) Creation of Material Master
- e) Concept of Split valuation in Material Master

7) Preventive Maintenance

- a) Time based strategy Plan

- b) Performance based strategy Plan
- c) Maintenance Strategy
- d) Condition based Maintenance
- e) Creation of Maintenance Plan □ Preventive Maintenance Order execution
- f) Concept of Route Based Maintenance Plan
- g) Scheduling of Maintenance Plan
- h) Deadline Monitoring

8) Refurbishment of Spare Parts

- a) Spare Parts
- b) Serialisation Procedure
- c) Internal Refurbishment of spare parts Processing
- d) External Refurbishment via Sub-Contracting Process

9) Inspection of Measuring equipment

- a) Integration with Quality Management
- b) MIC Creation
- c) Sampling Procedure /Sampling Methods
- d) Calibration inspection plan creation
- e) Calibration inspection order creation

10) Various Reports in PM module

- a) Equipment Reports
- b) Maintenance Order Reports
- c) Functional Location Reports
- d) Creation of Global Variants in Reports
- e) Creation of User Specific Variants in Reports
- f) Other Reports

11) Basic Concept of Work Clearance Management

- a) Work Clearance Approval
- b) Work Clearance Application
- c) Work Clearance Documents

12) Pool Asset Management Process

- a) Demand Planning
- b) Demand Planning with Graphical Planning Board
- c) Issue of Pool asset
- d) Return of Pool asset

13) Basic Concept of Investment Management via Maintenance Order

- a) Creation of Investment Profile
- b) Assignment of Investment Profile in Maintenance order

14) Important Configuration and Integration with other modules

- a) Configuration steps involved in PM
- b) PM integration with MM, PP, QM and FI/CO modules

SAP MM (Materials Management)

1) INTRODUCTION TO ERP

- a. ERP Definition
- b. Characteristics of ERP
- c. Products of ERP
- d. Benefits of using ERP

2) INTRODUCTION TO SAP

- a. SAP History
- b. SAP Product line
- c. New Products of SAP
- d. Relation of New SAP Products with the core product
- e. Industry specific Products
- f. Type of SAP Projects
- g. Type of SAP Roles
- h. Architecture of SAP
- i. System Landscape
- j. Types of data used in the SAP system

3) INITIAL SCREENS

- a. How to login to the SAP system

- b. SAP Client / GUI
- c. SAP Session - What it is
- d. How to open a new Session
- e. Create new Sessions
- f. Navigation between Sessions
- g. Transactions and Activities
- h. Shortcuts or Transaction Codes
- i. SAP Easy Access screen
- j. SAP IMG screen
- k. Difference between Easy Access and IMG screens

4) ENTERPRISE STRUCTURE

- i) What is Enterprise Structure
- ii) The different types of Enterprise Structure
- iii) Company structure in real time
- iv) Company structure for each process
- v) MM Structure against other process structure
- vi) Enterprise Structure terms in real time against those used in the SAP system
- vii) Definitions of the elements of enterprise structure
- viii) Creation of Enterprise Structure elements in the SAP system

5) MASTER DATA

- a. Basics of Master Data
- b. Significance of Master Data
- c. Usage of Master Data

b) Material Master

- i) What is Material Master
- ii) Views
- iii) Subscreens

- iv) Fields
 - v) Maintenance of material data in the SAP system
 - vi) Prerequisites for creation of Material Master Record
 - vii) Creation of Material Master Record
 - viii) Changes to Material Master Record
 - ix) Other end user activities in Material Master
 - x) Configuration of Material Master
- c) Vendor Master**
- i) Who is a Vendor
 - ii) What is Vendor Master Record
 - iii) Division of Vendor Master data
 - 1. General Data
 - 2. Company Code Data
 - 3. Purchasing Data
 - iv) Vendor Classification
 - v) Types of Vendor
- d) Purchasing Info Record**
- i) Basics of Purchasing Info Record
 - i. What is Purchasing Info Record
 - ii. Significance of Purchasing Info Record
 - ii) Types of Purchasing Info Record
 - iii) Prerequisites for Purchasing Info Record
 - iv) Creation of Purchasing Info Record
 - v) Changing the Purchasing Info Record
 - vi) Other End User activities for Purchasing Info Record
 - vii) Configuration

e) Source Determination

i) Basics of Source Determination

- i. What is Source Determination
- ii. Source Determination options in the SAP system

ii) Source List

(1) Basics of Source List

- i. What is Source List
- ii. Significance and usage of Source List

(2) Creation of Source List

(3) Changing the Source List

(4) Other End User activities for Source List

(5) Configuration

(6) Quota Arrangement

6) Purchasing

a) Basics of Purchasing

What is Purchasing

Difference Between Purchasing and Procurement

b) Purchasing Cycle

c) Purchasing Documents

d) Purchase Requisition

e) Request for Quotation (RFQ)

f) Quotation

g) Comparison

h) Purchase Order

i) Release Procedure

j) Optimization of Purchasing

k) Outline Agreements

l) Configuration of Purchasing

7) Inventory Management

- a) Basics of Inventory Management
- b) Stock Types
- c) Movement Types
- d) Process of Goods Receipt
- e) Process of Goods Issue
- f) Stock Transfers
- g) Return to vendor
- h) Cancellation
- i) Initial Stock
- j) Reservations
- k) Physical Inventory
- l) Configuration

8) Special Procurement Process / Special Stocks

- a) Basics of Special Procurement Process / Special Stocks
- b) Subcontracting
- c) Consignment
- d) Pipeline

9) External Services Management

- a) Basics of External Services Management
- b) Service Master
- c) Service Conditions
- d) Service Purchase Order
- e) Service Entry Sheet
- f) Configuration of External Services Management

10) Valuation and Account Determination

- a) Valuation Types

- b) Split Valuation

11) Logistics Invoice Verification

- a) Concepts
- b) Planned Costs
- c) Unplanned Costs
- d) Entry of Invoice
- e) Blocking of Invoice
- f) Releasing the blocked invoice
- g) Holding / Parking the invoice
- h) Releasing the parked invoice

12) Pricing Procedure

- a) Condition Table
- b) Access Sequence
- c) Condition Types
- d) Calculation Schema
- e) Schema Group
- f) Schema Determination
- g) Condition Records
- h) Execution of Pricing Procedure

13) Batch Management

- a) Basics of Batch Management
- b) Configuration of Batch Management process in the SAP system
- c) Creation of Batch Master Record
- d) End User activities of Batch Management
- e) Batch Management with Classification

14) Output Determination

- a) Access Sequences
- b) Message Types
- c) Message Determination Schema
- d) Partner Roles per Message Type
- e) Assign Output Devices to Purchasing Groups

15) Integration with FI/CO

- a) Concepts
- b) Valuation Grouping Code
- c) Valuation Class
- d) Account Category Reference
- e) Automatic Postings
- f) Modifiers

16) Integration with PP (Materials Requirement Planning)

- a) Concepts
- b) MRP Methods / Types
- c) MRP Group
- d) MRP Controller
- e) MRP Area
- f) MRP Configuration

17) ASAP Methodology

- a) What is ASAP Methodology
- b) Steps of ASAP Methodology

Project Preparation

Blueprint

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Realization

Final Preparation

Go-Live / Initial Support

- c) Time duration for each step
- d) Post implementation process

18) Support Project Process

19) Real-time Project scenarios

SAP QM (Quality Management)

1) Introduction to ERP

ERP Packages

Introduction to SAP

Functions and Objectives of QM

QM Overview

2) SAP Navigation

3) Organizational structure of an Enterprise in the SAP R/3 System

Company, Company code, Controlling Area, Plant, Storage Location, Purchase

Organization, Purchasing group

Controlling Settings (Cost Center and Cost Element etc.)

4) Master Data

Material Master – Activation of QM view

Master Inspection characteristics – Qualitative & Quantitative

Sampling Procedure, Sampling Scheme

Codes and Code Groups

Catalog, Selected set, Catalog Profile

Inspection Method

5) Planning & Execution

- Inspection plan
- Creation of inspection lot (Automatic and Manual)
- Results Recording
- Usage Decision and Stock Posting
- Inspection type
- Material Specification

6) Quality Management in Procurement

- Goods receipt inspection against Purchase Order
- Goods receipt inspection without Purchase Order
- Stock Transfer Inspection
- Controls in procurement
- QM info Record

7) Quality Management in Production

- In process inspection for Production Order
- In process inspection for Production Order with Inspection Points
- Goods Receipt Inspection after Production

8) Quality Management in Sales and Distribution

- Inspection during delivery
- Inspection during customer returns

9) Inspection with Physical Samples

- Types of physical samples
- Sample Drawing Procedure
- Inspection lot processing for physical samples

10) Calibration Inspection

- Test equipment Management
- Process flow of calibration inspection

11) Quality Management with Batches

Automatic Batch Valuation with QM
Recurring inspection

12) Quality Certificates

Certificate Profile creation
Certificate Printing

13) Quality Control

Statistical Process Control
Control charts

14) Quality Notifications

Quality Notifications in the Logistics Supply Chain
Record and process notifications in the system
Defect notification processing

15) Stability Studies

Objects in the Stability Study
Stability Study Process Flow

16) Important Configuration and Integration with other modules

Configuration steps involved in QM
QM integration with MM, PP, PM and SD modules

SAP PP (Production Planning)

1. SAP Overview

- my SAP Business Suite
- PP Overview

2. Master Data

- Organizational Overview
- Material Master
- Bills of Material
- Work center
- Routings

3. Sales and Operations Planning

- Sales Operations Planning
- Basics
- Standard SOP
- Flexible Planning

4. Demand Management

- Overview of Demand Management
- Make to Stock versus Make to Order
- Make to Stock Planning Strategies
- Make to Order Planning Strategies
- Settings and Customizing

5. Material Requirement Planning (MRP)

- Concept of Material

6. Requirements Planning

- Technical process of the MRP run
- Prerequisites for Running MRP
- Methods for Executing planning run
- Factors influencing the MRP run
- Stock requirements list and MRP list
- Analyzing MRP results

7. Production Orders Execution

- Production Order Creation
- Availability Check
- Production Order Release
- Capacity Planning
- Scheduling
- Production Order Printing

- Goods Issue of components
- Confirmations
- Goods Receipt
- Product Costing & Settlement

8. Repetitive Manufacturing

- Master Data
- Planning (line loading)
- Material Staging
- Back flush and Receipts
- Evaluations

SAP WM (Warehouse Management)

1. Introduction to Warehouse Management

- Warehouse management overview in SAP R/3
- Organization Data
- Warehouse Structure
- Warehouse Master Data
- WM Material master view

2. Organization Data

a. Define Warehouse structure

- Warehouse number
- Storage type
- Storage section
- Storage Bin
- Picking Area
- Storage unit
- Quant etc.

b. Master Data

- Material Master
- Storage bin

c. Transfer Requirement

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- Create Transfer requirement automatically
- Create Transfer requirement manually
- Create Transfer requirement for storage type
- Create Transfer requirement for material

3. Transfer Order

- Number Range for TO
- Create TO w.r.t Transfer Requirement
- Create TO w.r.t Posting change notice no
- Create TO w.r.t Storage unit
- Create TO w.r.t Material document
- Create TO w.r.t Inbound delivery
- T.O. Creation In Background
- Confirm the Transfer Order
- Cancel the Transfer Order
- Print Transfer Order

4. Put away Strategies

- Next to empty bin
- Fixed Bin
- Open Storage
- Addition to existing bin
- Pallets
- Fixed bin strategy

5. Picking Strategies

- Shelf life expired
- FIFO
- Stringent FIFO
- LIFO

6. Warehouse Management Business Scenario's (MM)

- Goods Receipt processing with inbound delivery (with ASN)
- Goods receipt processing without inbound delivery
- Goods issue for internal consumption
- Replenishment Control for Storage Type

7. Warehouse movement types

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- Define reference movement types for WM
- Assign reference movement types to WM movement types

8. Search Strategies

- Storage type search strategies
- Storage section search strategies
- Storage bin type search strategies

9. Batch Management in WM

- Condition Tables
- Access Sequence
- Strategy Types
- WM Batch Search Procedure
- Batch Status in WM
- Characteristics and class
- SLED in Batch in WM
- Manual and Automatic Batch Display in WM

SAP SD (Sales and Distribution)

I. Introductions to SD

- Introduction to ERP
- SAP Overview
- Functions and Objectives Of SD
- Overview Cycle of SD

II. Organizational structure of an Enterprise in the SAP ECC system

- Navigation basics- Easy access, favorites, settings
- Creation of Organizational Elements - Company, Company code, Plant, Storage Location, Sales organization, Distribution channel, Sales Office, Sales group and Assignments

III. Master Data

- Material Master
- Customer Master
- Customer Material Information record

IV. Pricing Process and Determination

- Pricing Condition technique overview
- Define Access sequence
- Define Condition Types
- Define pricing procedures
- Pricing procedure determination
- Pricing conditions in sales order
- Pricing conditions in Invoicing

V. Document Types for Pre-sales and Sales Documents

(IN, QT, OR, QC, WK1, WK2, CS, RO, CR, DR)-vov8

- Define Document types
- Define Number Ranges for Document Type
- Defining Sales document types with controls
- Sales Item category defining and controls
- Schedule line categories
- Item category and schedule line categories determinations

VI. Sales Cycles - sales processes

- Sales Inquiry Process
- Sales Quotation Process
- Contracts processing
- Sales Order Process
- Delivery and Shipping process
- Invoicing Process
- Credit and Debit Memo process
- Credit Sales Process- Configuring credit checks, risk categories
- Cash Sales process

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- Rush Order process

VII. Free goods processing

- Free goods process overview
- Free goods Condition technique
- Exclusive and Inclusive free offers

VIII. Revenue Account Determination

- Integration of SD with FI/CO
- Revenue account determination process
- Revenue account determination
- G/L account determinations

IX. SD Basic Functions

- Partner determination process
- Output determination process
- Text determination process
- Material determination
- Transfer of requirements
- Availability check process
- Incompletion process
- Listing and Exclusion
- Route determination process
- Working with Bill of Materials

X. Special Sales Special Processes

- Consignment Sales process
- Stock transport order
- Third party process
- Returnable transport packaging – RTP
- Intercompany Sales
- Rebates processing

XI. Invoicing Plans

- Periodic Invoicing
- Milestone billing

XII. Variant Configuration

- Variant Configuration Overview
- Configuring variant configuration process
- Working with variants & variants pricing
- Testing scenarios in variant pricing

XIII. Integration with Other Modules and Support

- Integration of SD with FI/CO
- Integration of SD with MM
- Integration of SD with PP
- Idocs handling
- Batch Jobs handling
- Support Projects Handling documentation
- Implementation Projects handling & documentation
- Resume Preparation
- Interview preparation

SAP S/4HANA LOGISTICS

SAP S/4HANA Enterprise Management

- Streamlined Procure-to-Pay
- Accelerated Plan-to-Product
- Optimized Order-to-Cash
- Enhanced Request-to-Service

Inventory Management

- SAP S/4HANA Changes

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- Warehouse Processing
- Physical Inventory Management

Manufacturing

- Material Requirements Planning
- Production Execution

SAP Extended Warehouse Management

- Delivery Processing in Extended Warehouse Management

Sourcing and Procurement

- Materials Requirements Planning
- Operational Purchasing
- Collaborative Sourcing and Contract Management
- Supplier Management, Invoicing and Payables Management
- SAP Ariba

Sales Order Management

- Sales Contract Management
- Sales Order Management and Processing
- Billing and Invoicing, Output Management
- Claims, Returns, and Refund Management
- SAP Hybris
- SAP Transportation Management

Quality Management

- Quality Notification, Planning and Inspection
- Material Master Quality Management View

Plant Maintenance and Enterprise Asset Management

- Maintenance Processing