



Founder & CEO

ROHELA KHAN

Solution Architect/Trainer/Blogger/Story
Teller in SAP EWM/ Yard Logistics/TM

SAP S/4 HANA PP

(PRODUCTION PLANNING) COURSE CONTENT

1) Introduction to ERP

- ERP Packages
- Introduction to SAP
- SAP Logistics Cycle SD/MM/PP
- PP Flow and Procurement Types

2) SAP Navigation

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

- Company, Company code, Controlling Area, Plant, Storage Location, Purchase Organization, Purchasing group, Sales Organization, Distribution Channel, Division, Sales Office, Sales Group, Shipping Point Etc...
- Discussion on implementation approach ECC vs S/4 HANA
- Discussion on Tools used in implementations
- Discussion Documentation process in S/4 Hana implementation
- Discussion on Cutover activity

Configuration – Discrete Industry

Master data – Configuration of BOM, Work center and Routings

Shopfloor configurations -

- Order types
- Order type dep parameters
- Confirmation parameters
- Scheduling parameters
- Production scheduling profile
- Production scheduler
- Availability check



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Master Data – Discrete Industry

- Material Master
- Bill of Material – BOM
- Work Center
- Routing – Different types of Routing
- Production Version

Configuration – Process Industry

Master data – Configuration of BOM, Work center and Master Recipe.

Shopfloor configurations -

- Order types
- Order type dep parameters
- Confirmation parameters
- Scheduling parameters
- Production scheduling profile
- Production scheduler
- Availability check

Master Data – Process Industry

- Material Master
- Bill of Material – BOM
- Resources
- Master Recipe (w/o PI sheets)
- Production Version

Master Data – REM Industry

- Material Master
- REM profile – configuration
- Product cost collector (PCC)
- Bill of Material – BOM
- Work center
- Production Version



Independent Requirement Planning

- Demand Planning
- Creation of PIR (Planned independent requirements)

MRP – Planning

- Master Data requirements in MRP
- Carrying MRP Procedure MRP, MPS, CBP
 1. Reorder Point Planning
 2. Forecast Based Planning
 3. Independent requirement Planning
 4. MPS Planning
- Difference between MRP Vs MPS
- Master Production Scheduling planning run (MPS RUN)
- MRP Run In Background job

Conversions and Processing Orders execution

- Processing Planned orders
- Planned orders conversion to Production Orders, Purchase Requisitions, Process Orders
- Production order – Goods issue process – (With and without Backflushing)
- Production Orders Confirmations (with and without Auto Goods receipt)
- Production Orders Settlement
- Technically Complete Production Orders – TECO
- Collective conversion of Planned Orders into Production Orders
- Collective conversion of Planned Orders into Purchase Requisitions
- Collective Release of Production Orders
- Collective Confirmation of Production Order



Goods Movement in PP

- Goods Receipt wref to Production Order
- Goods Receipt w/o Production Order
- Goods Issue wref to Production Order
- Automatic Creation of GR and Release of the Production Order
- Creation of GI wref to Reservation

Batch Management

- Characteristics, Class and Sort Sequence
- SLED In Batch in PP
- Condition Tables
- Access Sequence
- Strategy Types
- PP Batch Search Procedure
- Maintain Batch Search Procedure for the Order Type
- Production orders creation using Batch Automatic Batch Display at Production order creation and Production order Release
- Batch Determination – Configuration and master data
- Batch Derivation process Configuration and master data – LIFO, FIFO, FEFO

Strategy Group

- Define Strategy
- Define Strategy Group, 10, 11, 40, 20, 50
- Assign MRP Group to Strategy Group
- Process Flow for each Strategy Group
- Detailed Process Flow for each Strategy Group



Discrete /Process Manufacturing Process

- Make To Order Cycle - MTO Process, 20, 50
- Make To Stock Cycle - MTS Process, 10, 11, 40
- Costing of the Materials
- Planned cost vs actual cost in Prod/Process orders
- Subcontracting process – Operation subcontracting
- Subcontracting process – Header subcontracting with special procurement key

Availability in MRP in PP

- Define Requirement Classes and Requirement Types
- Define Checking Rule and Availability Check

Repetitive Manufacturing Process

- Master Data Maintenance
- Production versions
- REM Profile
- Backflusing
- REM Back flushing

INTEGRATION OF PP WITH OTHER MODULES

- MM
- SD
- QM
- FI
- CO



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Configurations for Demo:

