Microsoft Dynamics 365 Supply chain Management FunctionalConsultant Expert

Online Course

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Course Modules

1. Configure products

Implement product information for production
- Planning items, co-products, and by-products for batch orders
- Configure catch weight handling policies
- Inventory batches, batch attributes, and lot inheritance
- Product compliance including regulated and restricted items
- Confign groups and routes for dimension-based products
- Dimension-based, constraint-based, and pre-defined variants
- Hills of materials(BOMs),formulas, & routes to mng scrap

Implement Product Configurator for Dynamics 365
- Product config model components and subcomponents
- Create calculations for product configuration models
- Differentiate between table and expression constraints
- Configure BOM lines and route operations for a product config
- Configure and manage pricing for configuration models
- Describe the purpose and capabilities of the product configurator
- Validate, approve, and test product configuration models

Implement Engineering Change Management
- Design an engineering product lifecycle
- Configure product readiness policies and product release policies
- Create an engineering product with engineering attributes
- Review and accept released products to a local company
- Engg prdcts to a sales order, purchase orders & production orders
- Engineering change requests and change orders

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2. Configure production prerequisites

Configure resources, routes, and calendars
- Implement and manage work calendars and working time
- Create and configure resource capabilities
- Implement and manage resources and resource groups
- Create and manage operations and routes

Configure production settings and processes
- Create production units, groups, pools, and journal names
- Integration bet general ledger & production control modules
- Manage reservations in production process,
- Warehouse processes for raw materials picking & finished goods
- Describe unified (mixed mode) manufacturing
- Configure production control parameters
- Describe production and batch order process statuses

Implement costing
- Configure costing sheets and indirect costs
- Manage cost groups, costing versions, and cost categories
- Cost allocation for co-products & burden allocation fr by-products
- Configure and perform BOM/formula calculations
- Activate item prices
- Describe production posting profiles
- Describe common sources of production variances
- View and analyze production and inventory costs

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3.Implement production methods

Implement discrete manufacturing
- Create BOM and item configurations
- Create and process production orders
- Create and process picking list journals
- Create and process job card and route card journals
- Create and process reports as finished journals
- Reset the status of a production order
- Describe use cases and configure production-related reservations

Implement process manufacturing
- Configure batch reservations and release to warehouse process
- Configure consolidated batch order processes
- Manage batch balancing and batch order sequencing
- Configure formulas features
- Report as finished journals with co-products and by-products
- Create and process batch orders and a rework batch order
- Create formulas and formula versions

Implement lean manufacturing
- Create value streams and production flows
- Configure production flow costing
- Create kanban rules
- Process kanban orders by using kanban boards
- Create and manage fixed, scheduled, and event kanbans

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4. Configure production control

Implement subcontracting
- Describe use cases for subcontracting processes
- Implement activity-based subcontracting
- Configure BOM and formula lines, resources, and routes
- Create service items for subcontracting
- Create and process subcontracting purchase orders

Implement manufacturing execution
- Time and attendance prerequisites and activate workers
- Identify the capabilities of manufacturing execution
- Process production and batch orders
- Production floor execution interface and job card terminals
- Calculate and approve time registrations

Implement advanced master planning scenarios
- Process and view planned orders
- Configure intercompany master planning
- Configure forecast models and parameters
- Run demand forecasting and adjust as appropriate
- Execute explosion and validate results
- Describe how supply chain calendars affect master planning

Implement production scheduling and capacity planning
- Define scheduling parameters
- View, monitor, and update production schedules
- Configure capacity for production resources
- Describe infinite and finite scheduling and capacity

5.Implement additional supply chain management features

Describe cloud and edge scale units
- The value proposition for scale units for warehouse workloads
- Warehouse management processes that can run on a scale unit
- Describe manufacturing processes that can run on a scale unit

Describe use cases for integrating mixed reality technologies
- Describe use cases for Dynamics 365 Guides
- Integrating mixed reality D365 Guides with manufacture processes
- Integrating mixed reality D365 Guides with asset management

Implement Asset Management
- Configure maintenance plans
- Configure functional locations
- Manage maintenance requests
- Manage work orders consumption
- Manage work order scheduling

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