



Procurement & Supply Chain Operations

# Inventory Optimization and Spare Parts Management

## Course Introduction

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This training course is designed to provide participants with comprehensive knowledge and skills in effectively managing inventory and optimizing spare parts within organizations. This course focuses on equipping participants with the tools and techniques necessary to achieve optimal inventory levels, reduce costs, and ensure availability of critical spare parts. Participants will learn key concepts of inventory management, spare parts optimization, demand forecasting, and strategic decision-making to enhance overall operational efficiency.

## Target Audience

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- Procurement Manager / Supervisor
- Procurement officer / assistant
- Purchase officer
- Vendor manager
- Supplier relationship officer
- Purchase coordinator
- International Buyer
- Category purchasing manager
- Supply chain officer- Procurements
- Logistics Professionals
- Distribution Managers
- Working in this field
- These who wants to start a career in this field

# Learning Objectives

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Understand the principles and importance of inventory optimization and spare parts management.

- Implement inventory control techniques to achieve optimal stock levels.
- Develop demand forecasting models for accurate inventory planning.
- Apply strategic decision-making processes for spare parts management.
- Identify and implement cost-effective inventory optimization strategies.

# Course Outline

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- **Day 01**

- Introduction to Inventory Management**

- Overview of inventory management and its significance
    - Key principles and objectives of inventory optimization
    - Inventory classification and ABC analysis
    - Economic order quantity (EOQ) and reorder point calculations

- **Day 02**

- Demand Forecasting and Inventory Planning**

- Techniques for demand forecasting and trend analysis
    - Inventory planning and safety stock determination
    - Just-in-Time (JIT) and lean inventory management principles
    - Vendor-managed inventory (VMI) and consignment inventory practices

- **Day 03**

Spare Parts Management Strategies

- Importance of spare parts management in operational efficiency
- Criticality analysis and spare parts classification
- Strategic decision-making for spare parts procurement and stock levels
- Maintenance, repair, and operations (MRO) inventory management

Inventory Optimization and Continuous Improvement

Confirmed Sessions

| FROM         | TO            | DURATION | FEES       | LOCATION    |
|--------------|---------------|----------|------------|-------------|
| Dec. 8, 2025 | Dec. 10, 2025 | 3 days   | 3250.00 \$ | UAE - Dubai |