



INVENTORY AND MATERIALS MANAGEMENT



COURSE OVERVIEW

This intensive 5-day training provides participants with essential skills and modern techniques to manage inventory and materials effectively across the supply chain. The course covers forecasting, planning, procurement interfaces, warehouse operations, and performance optimization. Emphasis is placed on practical tools such as EOQ, ABC analysis, MRP, and KPIs, as well as integration of technologies like ERP and RFID. Participants will learn how to reduce costs, minimize risks, improve inventory accuracy, and enhance customer service levels through efficient inventory practices.

DATES, VENUES AND FEES



23 – 27 November 2025 – Doha

(5 Days)

Fees

US\$ 4500

Note: Fee is per participant.

Groups from the same company can enjoy a **discounted** price.

WHO SHOULD ATTEND?

This course is appropriate for a wide range of professionals but not limited to:

- Supply Chain Professionals
- Warehouse Managers
- Procurement Staff
- Inventory Controllers
- Operations Personnel

CONTACT US NOW

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ACCREDITATION



This training course is certified by CPD.

The CPD Certification Service is the leading independent CPD accreditation institution operating across industry sectors to complement the Continuing Professional Development policies of professional institutes and academic bodies. The CPD Certification Service provides support, advice, and recognised independent CPD accreditation compatible with global CPD principles. CPD is the term used to describe the learning activities professionals engage in to develop and enhance their abilities and keep skills and knowledge up to date. CPD Units are only awarded to programmes after each programme is scrutinised to ensure integrity and quality according to CPD standards and benchmarks.

COURSE CERTIFICATE

MSTC certificate will be issued to all attendees completing a minimum of 80% of the total tuition hours of the course.

CPD internationally recognized certificate will be issued for all participants who will meet the course requirements. CPD certificates will be issued within a month of the successful completion of the course.

TRAINING METHODOLOGY

- Expert instructor lecture, input using numerous visual aids
- Supportive comprehensive course manual enabling practical application and reinforcement
- Participant discussion and involvement regarding their specific projects and challenges
- Real-world case studies and best practices

LEARNING OBJECTIVES

- To equip participants with tools, techniques, and best practices for optimizing inventory and materials management in the organization.

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COURSE OUTLINE

DAY 1

Fundamentals of Inventory and Materials Management

- Pre test
- Introduction to Supply Chain and Inventory Management
- Objectives and Importance of Inventory Management
- Types of Inventory (Raw materials, WIP, Finished goods, MRO)
- Inventory Costs (Ordering, Holding, Stockout, Obsolescence)
- Materials Management vs Inventory Management
- Role of Inventory in Customer Service and Operational Efficiency
- Case Study
- Quiz

DAY 2

Inventory Planning and Control Techniques

- Demand Forecasting (Qualitative & Quantitative Techniques)
- Economic Order Quantity (EOQ) & Reorder Point (ROP)
- Safety Stock Calculation
- ABC, VED, and FSN Analysis
- Just-in-Time (JIT) and Lean Inventory Concepts
- Cycle Counting vs Physical Inventory
- Case Study
- Quiz

DAY 3

Materials Management and Procurement Interface

- Material Requirement Planning (MRP)
- Bill of Materials (BOM) and Lead Times
- Vendor Managed Inventory (VMI)

- Supplier Relationship Management (SRM)
- Purchasing Strategies (Centralized vs Decentralized)
- Inventory Documentation and Record Keeping
- Case Study
- Quiz

DAY 4

Warehouse, Storage, and Technology Integration

- Warehouse Design and Layout Principles
- Inventory Storage Methods (FIFO, LIFO, FEFO)
- Inventory Tracking Tools: Barcoding, RFID, ERP Systems
- Technology in Inventory Management (WMS, ERP, IoT)
- Inventory Accuracy and Data Integrity
- Safety and Compliance in Materials Handling
- Case Study
- Quiz

DAY 5

Performance, Optimization & Risk Management

- KPIs in Inventory and Materials Management
- Inventory Turnover Ratio, Fill Rate, Stockout Rate
- Root Cause Analysis for Inventory Issues
- Continuous Improvement (Kaizen, Six Sigma)
- Risk Management in Inventory (Obsolescence, Theft, Forecast Errors)
- Sustainability and Green Inventory Practices
- Group presentation: Inventory optimization project
- Course review and action plan for participants
- Post test
- Certificate distribution ceremony

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