



Consulting and Training | Reach New Heights

Course Name

Supply Chain Management and Capacity Planning

Sector Name

Procurement & Supply Chain Operations

Document Type

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Supply Chain Management and Capacity Planning

Course Introduction

As the global economy moved into the 21st Century, supply chain, procurement, and logistics are becoming a critical influence in the product movement in meeting and exceeding client demands. Organizations deem it essential to lower costs and increase productivity by managing the supply chain and logistics to boost performance. Understanding the supply chain and logistics field requires strategic planning and a great focus on procurement and purchase of materials to ensure swift delivery to clients. This training course is designed to provide “Riyadh Cement” participants, especially those who handle functions related to procurement and supply chain, with relevant concepts and strategies that they need to consider in order to dynamically manage the supply chain, procurement, and logistics unit or business.

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Supply Chain Management and Capacity Planning

Target Audience

- ✓ Supply Chain Manager
- ✓ Logistics Manager
- ✓ Inventory Manager
- ✓ Procurement Manager
- ✓ Operations Manager
- ✓ Production Planner
- ✓ Demand Planner
- ✓ Warehouse Manager
- ✓ Distribution Manager
- ✓ Business Analyst

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Learning Objectives

- ✓ Understand and apply the various supply chain management strategies.
- ✓ Master planning of the supply chain is appropriate to the project's nature.
- ✓ Use the latest inventory and warehouse management strategies, forecast its needs, and monitor its performance.
- ✓ Master planning of transportation management within supply chains.
- ✓ Understand the supply chain risks and master forecasting and evaluating their impact effectively.
- ✓ Develop ideal strategies to protect supply chains from risks.
- ✓ Understand the fundamentals of digitizing supply chains.
- ✓ Master measuring and improving supply chain performance.

Training Methodology The training program is implemented by combining the participants' academic knowledge and practical practice

(30% theoretical / 70% practical activities).

A detailed report is submitted to each participant and the training department in your organization on the results of the participant's performance and the return on training. This program focuses on exercises, case studies, and individual and group presentations.

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Course Outline

✓ Day 01

Introduction to Supply Chain Management:

- ✓ Supply chain overview and objectives.
- ✓ Types of supply chains.
- ✓ Strategic, tactical, and operational elements of the supply chain.
- ✓ Defining “strength” and “resilience” in supply chains.
- ✓ Resilience in the face of change.
- ✓ Aligning the supply chain with corporate strategy.
- ✓ Stakeholder relations.

Supply chain advanced planning:

- ✓ Supply chain analysis.
- ✓ Concepts of Advanced Planning Systems.
- ✓ Structure of advanced planning systems.
- ✓ Strategic network design.
- ✓ Demand planning.
- ✓ Production planning and scheduling.

Supply Chain Management and Capacity Planning

Course Outline

✓ Day 02

Completing Supply Chain Advanced Planning:

- ✓ Purchasing and material requirements planning.
- ✓ Coordination and integration.
- ✓ Collaborative planning.
- ✓ Implementing Advanced Planning Systems.
- ✓ Supply chain evaluation. Transport management:
- ✓ Objectives of transport management
- ✓ Costs associated with transport management
- ✓ Transportation modes and types
- ✓ Efficient and effective transportation
- ✓ Matching the strategic service level
- ✓ Drawing transportation routes
- ✓ Managing the cubing of cargo
- ✓ Considerations for international transportation

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Course Outline

✓ Day 03

Warehouse management:

- ✓ Warehousing operations
- ✓ Warehousing network design
- ✓ Configuration of warehousing space
- ✓ Value-adding activities
- ✓ Stockpiling, spot stocking, and assortments
- ✓ Cross-docking, break bulking, and consolidation
- ✓ Mixing, postponement, and assembly-to-order
- ✓ Warehouse activity profiling
- ✓ Warehousing cost calculation
- ✓ Sustainable warehousing practices

Inventory management:

- ✓ Materials management scope
- ✓ Objectives of materials management
- ✓ Inventory types and classification
- ✓ Materials management challenges
- ✓ Material replenishment strategies
- ✓ Make-to-stock
- ✓ Make-to-order
- ✓ Assemble-to-order

- ✓ Design-to-order
- ✓ Design for the supply chain
- ✓ Design for the environment

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Course Outline

✓ Day 04

Risk management:

- ✓ Supply chain risk definitions.
- ✓ What are the common risks of the supply chain?
- ✓ How to identify and analyze your supply chain's risks?
- ✓ Internal versus external risks
- ✓ Scope change risks
- ✓ Financial risks
- ✓ Demand risks
- ✓ SIPOC model
- ✓ Value chain analysis
- ✓ SCOR framework
- ✓ Work breakdown structure
- ✓ Evaluating supply chain risks

Your Guide to Managing Supply Chain Risks:

- ✓ Capacity planning strategies.
- ✓ Waste management.
- ✓ What is the demand for your product or service?
- ✓ Mitigation strategies for warehousing risks.
- ✓ Mitigation strategies for inventory management risks.
- ✓ Developing a communications plan.

- ✓ Managing change.
- ✓ Contract management.
- ✓ Select the ideal supplier for supply chain objectives.

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Course Outline

✓ Day 05

Digitizing the Supply Chain:

- ✓ Digital Transformation Insights: Supply Chain & Procurement Functions
- ✓ Digitally Transforming Supply Chain Planning
- ✓ Digitizing Supply Chain Sourcing
- ✓ Exploring Make Phase Digital Technologies
- ✓ Digitally Transforming Supply Chain Delivery
- ✓ Using Digital Technologies in Return Activities
- ✓ Enabling Supply Chain Effectiveness
- ✓ Digital Transformation in Transportation and Logistics

Measure and improve Supply chain performance:

- ✓ Analyze and measure supply chain performance.
- ✓ Develop KPI's to measure the supply chain's Quality.
- ✓ Improve the efficiency of supply chain performance.
- ✓ International Organization of Standards (ISO).
- ✓ Quality Tools.

Supply Chain Management and Capacity Planning

Confirmed Sessions

FROM	TO	DURATION	FEES	LOCATION
April 5, 2027	April 9, 2027	5 days	4250.00 \$	UAE , Abu Dhabi
Sept. 28, 2026	Oct. 2, 2026	5 days	4250.00 \$	UAE , Dubai
June 29, 2026	July 3, 2026	5 days	4250.00 \$	UAE , Dubai
Dec. 21, 2026	Dec. 25, 2026	5 days	4950.00 \$	Spain , Barcelona

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