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Course Name

Advanced Forecasting and Inventory Management

Sector Name

Procurement & Supply Chain Operations

Document Type

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Advanced Forecasting and Inventory Management

Course Introduction

Accurate forecasting and effective inventory management are critical to organizational performance, customer satisfaction, and cost control. As markets become more volatile and supply chains more complex, organizations can no longer rely on basic forecasting techniques or reactive inventory practices. Advanced approaches are required to balance demand variability, service levels, and inventory investment.

To meet these challenges, **BOOST** has developed the **Advanced Forecasting and Inventory Management** course for professionals who already have foundational knowledge of supply chain or inventory concepts and are ready to deepen their practical and analytical capabilities. This intermediate-level program focuses on improving forecast accuracy, understanding demand patterns, and translating forecasts into effective inventory decisions.

The course emphasizes the integration between forecasting and inventory management, showing how poor forecasts lead to excess stock, shortages, obsolescence, and inefficiencies. Participants explore more advanced forecasting concepts, inventory control techniques, and performance measures, while learning how to respond effectively to uncertainty and change.

Through structured explanations, applied examples, and practical discussions, participants will enhance their ability to support planning decisions, improve inventory performance, and contribute to more resilient and cost-effective supply chain operations.

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Advanced Forecasting and Inventory Management

Target Audience

- ✓ Supply chain and inventory planners
- ✓ Demand planning and forecasting professionals
- ✓ Procurement and operations staff
- ✓ Warehouse and logistics supervisors
- ✓ Production and materials planners
- ✓ Finance professionals supporting inventory decisions
- ✓ Professionals preparing for advanced planning or supply chain roles

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Learning Objectives

- ✓ Apply advanced forecasting concepts to real business scenarios
- ✓ Analyze demand patterns and sources of variability
- ✓ Improve forecast accuracy and reliability
- ✓ Translate forecasts into effective inventory plans
- ✓ Apply inventory control techniques to balance cost and service levels
- ✓ Monitor and improve inventory performance using key metrics
- ✓ Identify risks related to poor forecasting and inventory decisions
- ✓ Support continuous improvement in planning and inventory management

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Advanced Forecasting and Inventory Management

Course Outline

✓ Day 01

Role of Advanced Forecasting and Inventory Management

- ✓ Relationship between forecasting and inventory performance
- ✓ Limitations of basic forecasting and inventory approaches
- ✓ Demand uncertainty and its impact on supply chains
- ✓ Key drivers of inventory cost and service levels
- ✓ Overview of advanced forecasting and inventory concepts
- ✓ Common challenges faced by organizations

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Advanced Forecasting and Inventory Management

Course Outline

✓ Day 02

Demand Analysis and Forecasting Techniques

- ✓ Understanding demand patterns and trends
- ✓ Seasonality, cycles, and demand variability
- ✓ Qualitative versus quantitative forecasting approaches
- ✓ Forecast accuracy measurement and error analysis
- ✓ Improving forecasts through collaboration and data
- ✓ Managing forecast bias and assumptions

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Course Outline

✓ Day 03

Inventory Planning and Control Techniques

- ✓ Inventory classification and prioritization concepts
- ✓ Safety stock and service level considerations
- ✓ Reorder points and replenishment strategies
- ✓ Managing lead times and supply variability
- ✓ Balancing inventory investment and availability
- ✓ Practical inventory planning scenarios

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Course Outline

✓ Day 04

Integrating Forecasting with Inventory Decisions

- ✓ Translating forecasts into inventory plans
- ✓ Coordinating forecasting, procurement, and operations
- ✓ Managing inventory under demand and supply uncertainty
- ✓ Responding to forecast changes and exceptions
- ✓ Performance metrics for forecasting and inventory management
- ✓ Identifying root causes of inventory issues

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Course Outline

✓ Day 05

Improving Forecasting and Inventory Performance

- ✓ Reviewing forecasting and inventory effectiveness
- ✓ Identifying improvement opportunities
- ✓ Managing excess, obsolete, and slow-moving inventory
- ✓ Continuous improvement in planning processes
- ✓ Supporting cross-functional decision-making
- ✓ Developing an action plan for forecasting and inventory improvement
- ✓ Course review, reflection, and next steps

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Confirmed Sessions

FROM	TO	DURATION	FEES	LOCATION
March 15, 2027	March 19, 2027	5 days	4250.00 \$	UAE , Dubai
May 10, 2027	May 14, 2027	5 days	4250.00 \$	UAE , Abu Dhabi
Aug. 9, 2027	Aug. 13, 2027	5 days	4250.00 \$	UAE , Abu Dhabi
Nov. 2, 2026	Nov. 6, 2026	5 days	4250.00 \$	UAE , Abu Dhabi

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