

Certified Supply Chain Professional (CSCP)

Barcelona (Spain)

23 - 27 December 2024

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Certified Supply Chain Professional (CSCP)

Code: IT28 From: 23 - 27 December 2024 City: Barcelona (Spain) Fees: 5100 Pound

Introduction

The Certified Supply Chain Professional CSCP course is designed to provide comprehensive knowledge and skills in supply chain management. This course covers the end-to-end supply chain process, from planning and sourcing to production, delivery, and returns. Participants will gain insights into supply chain design, planning, and execution, as well as the best practices and technologies that drive supply chain efficiency. By the end of the course, participants will be able to effectively manage and optimize supply chain operations, improving overall organizational performance.

Course Objectives

- Understand the fundamentals of supply chain management.
- Develop strategies for effective supply chain planning and execution.
- Implement best practices in supply chain design and optimization.
- Utilize technology to enhance supply chain efficiency.
- Improve supply chain performance through continuous improvement initiatives.

Course Outlines

Day 1

Supply Chain Fundamentals

- **Overview of Supply Chain Management**
 - Definition and importance of supply chain management.
 - Key components of the supply chain.
 - Supply chain management processes.
- **Supply Chain Strategies**
 - Aligning supply chain with business strategy.
 - Types of supply chain strategies e.g., lean, agile.
 - Strategy development and implementation.
- **Supply Chain Design and Network Planning**
 - Principles of supply chain design.
 - Network design and optimization.
 - Balancing cost and service levels.
- **Demand Planning and Forecasting**
 - Importance of demand planning.
 - Forecasting methods and techniques.
 - Integrating demand planning with supply chain operations.
- **Supply Chain Performance Metrics**

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- Key performance indicators KPIs.
- Measuring and analyzing supply chain performance.
- Continuous improvement strategies.

Day 2

Supply Chain Planning and Procurement

- **Supply Chain Planning Processes**
 - Sales and operations planning S&OP.
 - Capacity planning and management.
 - Inventory planning and optimization.
- **Procurement and Supplier Management**
 - Strategic sourcing and procurement.
 - Supplier selection and evaluation.
 - Managing supplier relationships.
- **Inventory Management**
 - Types of inventory and inventory functions.
 - Inventory control techniques.
 - Reducing inventory costs while maintaining service levels.
- **Production Planning and Control**
 - Production planning strategies.
 - Master production scheduling MPS.
 - Materials requirements planning MRP.
- **Collaborative Planning, Forecasting, and Replenishment CPFR**
 - CPFR concepts and benefits.
 - Implementing CPFR in the supply chain.
 - Enhancing collaboration with supply chain partners.

Day 3

Supply Chain Execution and Operations

- **Order Fulfillment and Customer Service**
 - Order fulfillment processes.
 - Improving order accuracy and speed.
 - Enhancing customer service levels.
- **Warehousing and Distribution Management**
 - Warehouse operations and best practices.
 - Distribution strategies and network design.
 - Transportation management and optimization.
- **Logistics Management**
 - Key logistics functions.
 - Managing logistics service providers.
 - Reverse logistics and returns management.
- **Supply Chain Technology and Automation**
 - Role of technology in supply chain management.
 - Implementing supply chain management software ERP, WMS, TMS.
 - Emerging technologies IoT, blockchain, AI.
- **Risk Management in Supply Chains**

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- Identifying and assessing supply chain risks.
- Risk mitigation strategies.
- Building resilient supply chains.

Day 4

Supply Chain Sustainability and Ethics

- **Sustainable Supply Chain Practices**
 - Importance of sustainability in supply chains.
 - Sustainable sourcing and procurement.
 - Reducing the environmental impact of supply chain operations.
- **Corporate Social Responsibility CSR**
 - CSR principles and practices.
 - Implementing CSR initiatives in the supply chain.
 - Measuring and reporting on CSR performance.
- **Ethical Supply Chain Management**
 - Ethical issues in supply chain management.
 - Promoting ethical behavior among suppliers and partners.
 - Ensuring compliance with ethical standards.
- **Green Logistics and Transportation**
 - Reducing carbon footprint in logistics.
 - Green transportation strategies.
 - Sustainable packaging and waste reduction.
- **Circular Economy in Supply Chains**
 - Principles of circular economy.
 - Implementing circular economy practices.
 - Benefits of a circular economy for supply chains.

Day 5

Advanced Supply Chain Strategies and Continuous Improvement

- **Advanced Supply Chain Strategies**
 - Global supply chain management.
 - Outsourcing and offshoring strategies.
 - Managing global supply chain risks.
- **Lean and Six Sigma in Supply Chain**
 - Lean principles and techniques.
 - Applying Six Sigma to supply chain processes.
 - Continuous improvement methodologies.
- **Supply Chain Innovation and Trends**
 - Current trends in supply chain management.
 - Driving innovation in the supply chain.
 - Preparing for future supply chain challenges.
- **Performance Improvement through Benchmarking**
 - Importance of benchmarking.
 - Benchmarking processes and techniques.
 - Using benchmarking to drive supply chain performance.
- **Developing a Supply Chain Improvement Plan**



- Identifying areas for improvement.
- Creating actionable improvement plans.
- Implementing and monitoring improvement initiatives.



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