

€ TRAINING

Purchasing with Construction and Supply
Chain





Purchasing with Construction and Supply Chain

Introduction:

This training program provides comprehensive knowledge and skills in purchasing management, construction project management, and supply chain optimization. It participants to optimize supply chain performane to foster organizational success.

Program Objectives:

At the end of this program, participants will be able to:

- Understand the principles and practices of purchasing, construction management, and supply chain operations.
- Develop strategies to streamline procurement processes and enhance supplier relationships.
- Manage construction projects effectively, from planning to completion, while ensuring quality and compliance.
- Optimize supply chain processes to improve efficiency, reduce costs, and enhance customer satisfaction.
- Utilize technology and data analytics to drive innovation and continuous improvement in purchasing, construction, and supply chain management.

Targeted Audience:

- Procurement managers and specialists.
- Construction project managers and supervisors.
- Supply chain professionals.
- Operations managers in construction and manufacturing industries.
- Employees seeking to enhance their skills in purchasing, construction, and supply chain management.

Program Obectives:

Unit 1:

Fundamentals of Purchasing Management:

- Introduction to purchasing management principles and concepts.

- Strategic sourcing and supplier selection strategies.
- Contract negotiation and management best practices.
- Supplier relationship management SRM techniques.
- Legal and ethical considerations in purchasing.

Unit 2:

Construction Project Planning and Management:

- Overview of construction project management methodologies.
- Developing project scopes, schedules, and budgets.
- Risk management and compliance in construction projects.
- Managing subcontractors and vendor relationships.
- Quality assurance and control in construction.

Unit 3:

Supply Chain Strategy and Optimization:

- Strategic supply chain planning and alignment with organizational goals.
- Inventory management and optimization techniques.
- Transportation and logistics management best practices.
- Warehouse and distribution network optimization.
- Lean and Six Sigma methodologies in supply chain management.

Unit 4:

Procurement Process Improvement:

- Analyzing and improving procurement processes.
- Implementing e-procurement solutions and automation.
- Supplier performance measurement and evaluation.
- Sustainable procurement practices.
- Continuous improvement in procurement operations.

Unit 5:

Construction Project Execution and Control:

- Monitoring and controlling construction project progress.
- Change management and handling project disruptions.
- Resource allocation and management.
- Ensuring safety and regulatory compliance on construction sites.
- Communication and stakeholder management in construction projects.

Unit 6:

Supply Chain Risk Management:

- Identifying and assessing supply chain risks.
- Developing risk mitigation strategies and contingency plans.
- Managing disruptions and building resilience in the supply chain.
- Compliance and regulatory considerations in supply chain risk management.
- Leveraging technology for real-time risk monitoring and management.

Unit 7:

Strategic Supplier Relationship Management:

- Developing strategic partnerships with key suppliers.
- Supplier performance evaluation and improvement strategies.
- Collaborative supplier development and innovation initiatives.
- Conflict resolution and dispute management with suppliers.
- Strategies for mitigating supply chain disruptions through strong supplier relationships.

Unit 8:

Sustainable Construction Practices:

- Introduction to sustainable construction principles and practices.

- Green building certification programs and standards.
- Sustainable materials sourcing and usage.
- Energy efficiency and waste reduction in construction.
- Designing for environmental and social sustainability in construction projects.

Unit 9:

Supply Chain Analytics and Performance Measurement:

- Utilizing data analytics for supply chain optimization.
- Key performance indicators KPIs for measuring supply chain performance.
- Predictive analytics and forecasting in supply chain management.
- Benchmarking and continuous improvement based on data insights.
- Implementing supply chain analytics tools and technologies.

Unit 10:

Emerging Technologies in Purchasing, Construction, and Supply Chain Management:

- Overview of emerging technologies such as blockchain, IoT, and AI in purchasing, construction, and supply chain management.
- Applications of emerging technologies for process automation, transparency, and efficiency.
- Case studies and examples of successful implementation of emerging technologies in the industry.
- Considerations for adopting and integrating emerging technologies into existing operations.
- Future trends and opportunities in purchasing, construction, and supply chain management enabled by emerging technologies.