



Procurement & Supply Chain Operations

Strategic Procurement in the Age of Industry 4.0

Course Introduction

As supply chains become increasingly complex and interconnected, the strategic procurement function emerges as a critical driver of efficiency, innovation, and risk management. By strategically sourcing materials, components, and services, organizations can not only optimize costs but also gain a competitive edge in the market. Moreover, strategic procurement facilitates agility and adaptability, allowing businesses to respond effectively to dynamic market conditions and disruptions. In this context, understanding and mastering the principles of strategic procurement is essential for organizations aiming to thrive in the digitalized landscape of Industry 4.0.

Strategic Procurement

This comprehensive course on Strategic Procurement in the Age of Industry 4.0 offers participants a deep dive into the core principles, tools, and strategies essential for navigating the modern procurement landscape. Through a series of interactive sessions, participants will explore topics such as digital transformation in procurement, leveraging data analytics for informed decision-making, and managing risks in a digitalized supply chain. The course highlights real-world case studies and best practices, providing practical insights into implementing Industry 4.0 strategies in procurement. Furthermore, participants will engage in hands-on activities and workshops to apply their learning in simulated procurement scenarios, enabling them to develop actionable plans for enhancing their organization's procurement capabilities in the age of Industry 4.0.

Target Audience

This course is designed for procurement professionals, supply chain managers, and business leaders seeking to enhance their understanding and implementation of strategic procurement practices in the context of Industry 4.0.

Learning Objectives

- Gain a comprehensive understanding of Industry 4.0 concepts and technologies, and recognize their impact on procurement processes and supply chains.
- Explore digital procurement tools and technologies, enabling them to apply them to optimize procurement workflows and enhance efficiency.
- Learn to leverage data analytics to make informed procurement decisions and drive strategic initiatives.
- Recognize and mitigate risks inherent in a digitalized procurement environment, ensuring supply chain resilience and continuity.
- Identify emerging trends and best practices in strategic procurement to develop actionable plans for Industry 4.0 adoption and implementation.

Course Outline

- **Day 01**

- Understanding Industry 4.0 and Its Implications for Procurement**

- Introduction to Industry 4.0: Concepts and technologies.
 - Impact of Industry 4.0 on supply chains.
 - Industry 4.0 and procurement processes.
 - Case studies of Industry 4.0 implementation in procurement.
 - Identifying challenges and opportunities in procurement.

- **Day 02**

- Digital Transformation in Procurement**

- Digital Procurement: Overview and benefits.
 - Key technologies driving digital transformation.
 - Streamlining procurement processes with digital tools.
 - Hands-on experience with digital procurement platforms.

- Integration of digital tools into procurement workflows.

• Day 03

Data Analytics and Decision Making in Procurement

- Importance of data analytics in procurement.
- Types and sources of procurement data.
- Leveraging analytics for decision-making.
- Case studies of data-driven procurement strategies.
- Tools and techniques for procurement data analysis.

• Day 04

Risk Management and Resilience in Procurement

- Understanding procurement risks in Industry 4.0.
- Strategies for mitigating risks in a digitalized supply chain.
- Building resilience and agility in procurement processes.
- Crisis management in a digitalized procurement environment.
- Implementing risk management strategies in procurement.

• Day 05

Future Trends and Action Planning

- Emerging trends in strategic procurement.
- Ethical considerations in Industry 4.0 procurement.
- Sustainability in procurement practices.
- Developing a roadmap for implementing Industry 4.0 strategies.
- Resources for ongoing learning and development in procurement.

Confirmed Sessions

FROM	TO	DURATION	FEES	LOCATION
April 6, 2025	April 10, 2025	5 days	4250.00 \$	Morocco - Marakesh
June 15, 2025	June 19, 2025	5 days	2150.00 \$	Virtual - Online
Sept. 15, 2025	Sept. 19, 2025	5 days	4950.00 \$	Norway - Oslo
Dec. 21, 2025	Dec. 25, 2025	5 days	4250.00 \$	KSA - El Dammam