Introduction

The urgency for **greening supply chains** is increasingly evident, as the world faces critical challenges like food shortages, energy security, and climate change. Projections indicate that by 2050, the global population will reach approximately 9 billion, with increased consumption of commodities putting further strain on our ecological footprint.

Organizations that embrace **Green Supply Chain Management (GSCM)** will be well-positioned to thrive in the future. Companies that can demonstrate **clean and green supply chains** are expected to have a competitive advantage in the coming decades. GSCM not only significantly reduces ecological impacts but also offers economic benefits like **cost savings**, **improved customer satisfaction**, and **innovative product designs**.

This course provides professionals with the tools to implement GSCM principles effectively and enhance their marketability by becoming certified green supply chain professionals.

Targeted Groups

This course is ideal for professionals in supply chain and procurement roles, including:

- **Procurement Managers**
- **Supply Chain Managers**
- **Inventory Managers**
- **Warehouse Managers**
- **Supply Chain Professionals**
- **Procurement Professionals**
- **Managers and Senior Managers** interested in sustainability

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Course Objectives

By the end of this course, participants will be able to:

- Understand the fundamentals of **Green Supply Chain Management**
- Recognize the policies and strategies required to enable a green supply chain
- Identify the benefits of adopting green supply chain practices
- Apply green principles across various supply chain functions
- Develop a **green supply chain migration strategy**
- Gain a **competitive advantage** by integrating sustainability into the supply chain

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Targeted Competencies

Upon completion of the course, participants will improve their ability to:

- Conduct **analysis** and **critical thinking** regarding supply chain sustainability
- Provide **strategic direction** for implementing green supply chains
- Formulate and implement policies that support **green procurement** and **green logistics**
- Drive continuous improvement in **green supply chains**

Course Content Outline

Unit 1: Introduction to Green Supply Chain

- Understanding the **5 fundamental questions**: benefits, costs, influence, engagement, and barriers
- The impact of **green supply chains** on corporate **Social Responsibility (CSR)**
- Key drivers and **frameworks** for green supply chains
- Assessing the **bottom line impact** through sustainable practices
- Identifying the **profitability** drivers in green supply chains

Unit 2: Green Supply Chain Planning

- **Life cycle management** in green supply chains
- Implementing **Green Sales and Operations Planning (S&OP)**

Unit 3: Green Procurement

- Definitions, aims, and scope of **green procurement**
- Benefits and challenges in **green procurement**
- Factors influencing the adoption of **green procurement** practices
- Steps towards **greener procurement** and its organizational impact

Unit 4: Green Production

- The **benefits** and **drivers** of **green production**
- Key components and challenges of **green production**
- Understanding **green logistics** and the benefits and challenges associated with it
- Steps towards adopting **green logistics** practices

Unit 5: Green Logistics & Packaging

- **Green packaging**: Benefits and drivers
- Getting started with **sustainable packaging solutions**

Unit 6: Green Marketing

- The importance and **drivers** of **green marketing**
- Challenges in **green marketing** and its impact on supply chains

- Key elements and examples of **supply loops** in green marketing
- Benefits of **supply loops** and how they contribute to sustainability

Unit 7: Carbon Footprint Minimization Across the Supply Chain

- **Carbon measurement** techniques and tools
- Strategies for **carbon minimization** and **monitoring**
- **Carbon reporting** and its importance in GSCM

Unit 8: Migration Strategy

- Phase I: Detailed **analysis** of the current supply chain
- Phase II: Design and implementation of a green supply chain strategy
- Phase III: **Organizational change management** for green supply chain transformation

Unit 9: Green Supply Chain Continuous Improvement

- The **benefits** of continuous improvement in green supply chains
- Preconditions and **methodologies** for continuous improvement
- **Benchmarking** green supply chains for performance
- Using **Pareto analysis** to improve sustainability efforts

Unit 10: Green Supply Chain Performance Evaluation

- Evaluating the **performance** of green supply chains
- Methodologies for **performance evaluation**
- Using performance data for **decision-making** and continuous improvement

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Certification

Upon successful completion of this course, participants will earn a **Green Supply Chain Management Certificate**, signifying their expertise in sustainable supply chain practices and their readiness to lead the greening of supply chains within their organizations.