AI+ Supply Chain™

Duration: 8 hrs

Course Overview

AI + Supply Chain course provides a thorough examination of how Artificial Intelligence (AI) is changing supply chain management, covering basic concepts up to advanced uses. It includes key subjects like AI methods for improving supply chains, the impact of generative AI on developing strategies, and the digitalization of supply chain operations. The course also delves into decision-making guided by AI, applications specific to various industries, and the incorporation of AI into managing logistics. The last module offers a practical workshop where participants can utilize AI concepts for actual supply chain problems, getting them ready to spearhead AI-based advancements in their companies.

Course Prerequisites

- Foundational knowledge of supply chain concepts, processes, and operations.
- A general understanding of Artificial Intelligence, including machine learning and data analytics, is recommended.
- Prior experience with business management or technical tools, such as ERP systems or data analysis software, will be beneficial.
- Strong analytical and problem-solving skills are essential to understand and apply AI-driven techniques in supply chain scenarios

Course Agenda

Module 1: Introduction to Artificial Intelligence in Supply Chain

- Overview of Artificial Intelligence in Supply Chain
- Transforming Supply Chains with AI
- Ethical Implications of AI in Supply Chains

Module 2: Advanced AI Techniques for Supply Chain

- Machine Learning in Supply Chain
- Expert Systems in SCM
- Integrating Images and Text in Supply Chain AI

Module 3: Generative AI in Supply Chain Management

- The Origin of Generative AI
- Generative AI in Revenue Management and Demand
- Transformer and LSTM Architectures in Generative AI

Module 4: Supply Chain Digitization

- Introduction to Supply Chain Digitization
- Supply Chain Integration and Push-Pull Strategies
- Supply Chain Resiliency, Planning and Sustainability

Module 5: Intelligent Driven Supply Chain Management

- Introduction to Supply Chain Digitization
- Supply Chain Integration and Push-Pull Strategies
- Supply Chain Resiliency, Planning and Sustainability

Module 6: Industry Aspects of Advanced SCM

- Introduction to Industrial SCM
- Business Value from AI and Gen AI in Supply Chain
- Risks and Challenges of Adopting AI and Gen AI in Industrial SCM

Module 7: Policies of Logistics Management in Supply Chain with AI

- Introduction to Industrial SCM
- Business Value from AI and Gen AI in Supply Chain
- Risks and Challenges of Adopting AI and Gen AI in Industrial SCM

Module 8: Supply Chain Masterclass with AI Assistance

- Supplier Selection and Relationship Management with AI
- Mastering Advancements in SCM with Modern Artefacts