

Al+ Supply ChainTM

Certification



Executive Summary

Al + 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.



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Version: 1.1

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 Al-driven techniques in supply chain scenarios.



Version: 1.1

Exam Blueprint

Number of Questions

50

Passing Score

35/50 or 70%

Duration

90 Minutes

Format

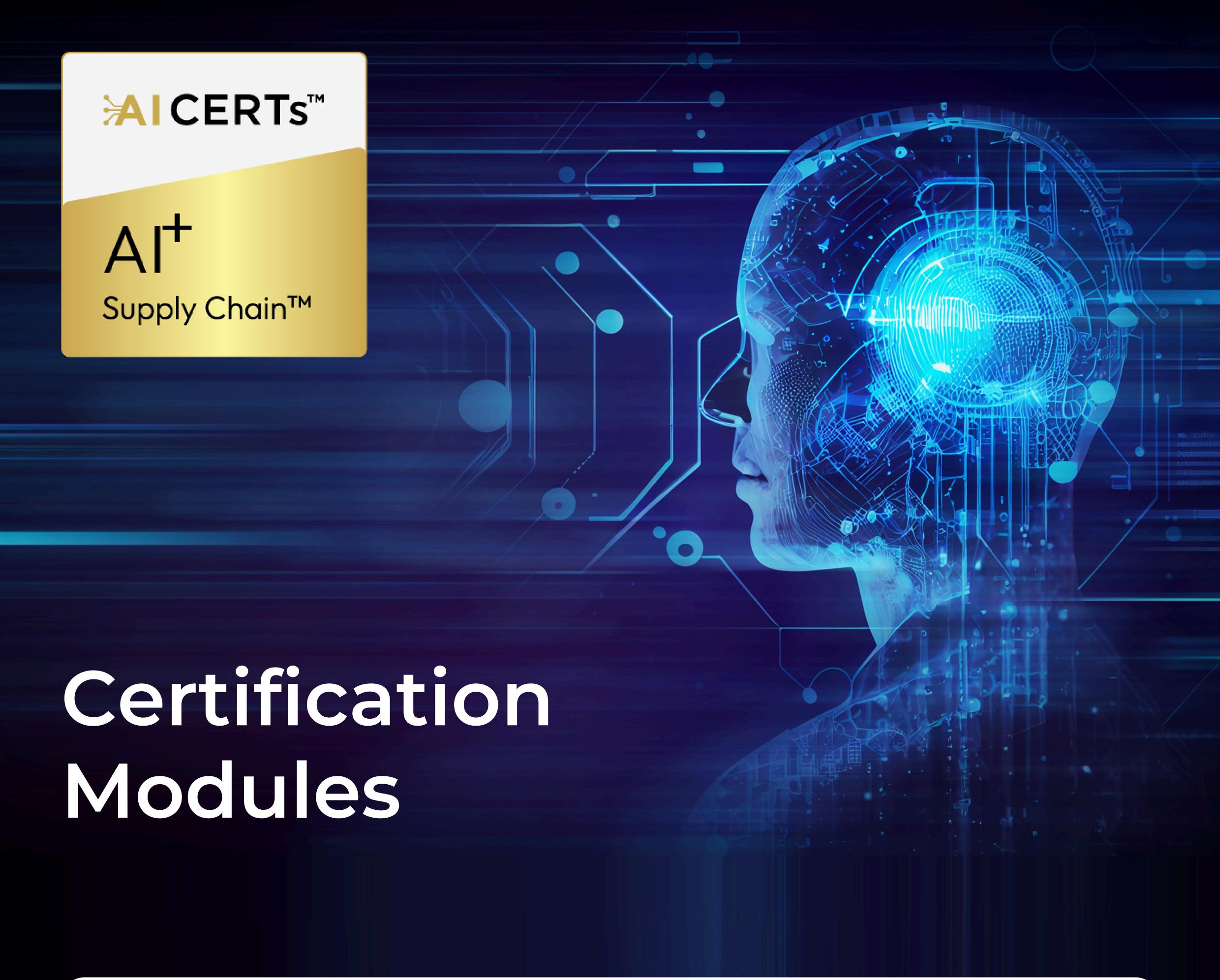
Online via Al
Proctoring platform

Question Type

Multiple Choice/Multiple Response

Module Wise Weightage

Module	Weight
Introduction to Artificial Intelligence in Supply Chain	10%
Advanced AI Techniques for Supply Chain	15%
Generative AI in Supply Chain Management	10%
Supply Chain Digitization	15%
Intelligent Driven Supply Chain Management	15%
Industry Aspects of Advanced SCM	15%
Policies of Logistics Management in Supply Chain with Al	10%
Supply Chain Masterclass with Al Assistance	10%
	100%



Introduction to Artificial Intelligence in Supply Chain

- 1.1 Overview of Artificial Intelligence in Supply Chain Management (SCM)
- 1.2 Transforming Supply Chains with Al
- 1.3 Ethical Implications of AI in Supply Chains

Advanced AI Techniques for Supply Chain

- 2.1 Machine Learning in Supply Chain
- 2.2 Expert Systems in SCM
- 2.3 Integrating Images and Text in Supply Chain Al

Module 3

Generative Al in Supply Chain Management

- 3.1 The Origin of Generative Al
- 3.2 Generative AI in Revenue Management and Demand Forecasting
- 3.3 Transformer and LSTM Architectures in Generative Al

Supply Chain Digitization

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

Module 5

Intelligent Driven Supply Chain Management

- 5.1 Introduction to Smart SCM
- 5.2 Employing Smart SCM and Prompt Engineering
- **5.3 Future Trends of Smart SCM**

Industry Aspects of Advanced SCM

- 6.1 Introduction to Industrial SCM
- 6.2 Business Value from Al and Gen Al in Supply Chain
- 6.3 Risks and Challenges of Adopting Al and Gen Al in Industrial SCM

Module 7

Policies of Logistics Management in Supply Chain with Al

- 7.1 Role of Supply Chain Management in the Organization
- 7.2 Warehousing Strategy for Efficient Supply Chain Management
- 7.3 Technical Coverage of SCM with Multi-Dimensional Aspects

Supply Chain Masterclass with Al Assistance

8.1 Supplier Selection and Relationship Management with Al

8.2 Mastering Advancements in SCM with Modern Artefacts

Certification Outcome

After finishing the AI + Supply Chain course, students will receive a certification showing their skill in efficiently incorporating advanced AI methods in supply chain management. They will have the abilities to improve supply chain operations, utilize AI for making decisions based on data, and introduce AI-driven advancements in different industry environments. This certification enables professionals to lead digital transformation, improve operational efficiency, and strategically address supply chain challenges with advanced AI technologies.



Market Insight

Companies are increasingly implementing AI in supply chain to enhance efficiency, flexibility, and robustness, leading to a fast-growing market. Having skills in AI is more and more necessary for improving logistics and predictions, making it crucial for gaining a competitive edge.



Value Proposition

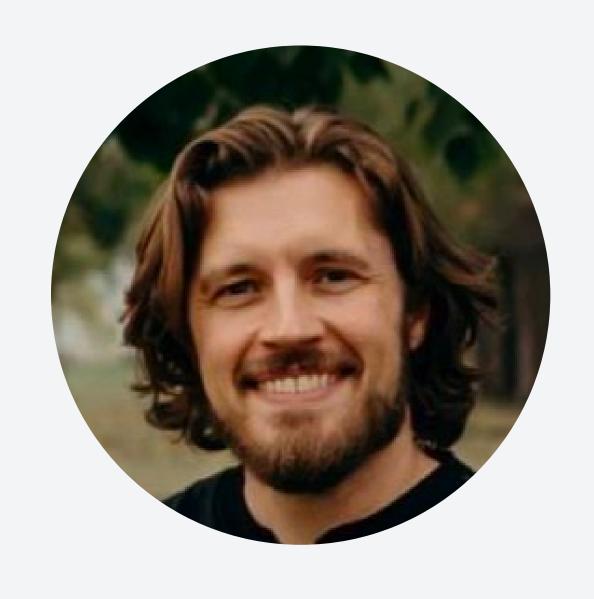
The AI + Supply Chain course offers great benefits by providing professionals with advanced AI skills to enhance and revolutionize supply chain management. Participants acquire the knowledge and skills required to improve productivity, spark creativity, and take the lead in implementing AI-driven changes within their companies through practical guidance and firsthand practice.



Additional Features

The course on AI + Supply Chain includes interactive case studies, practical simulations, and specialized industry knowledge, as well as experienced teachers and chances for networking. Participants are also provided with useful resources, continuous assistance, and information on current AI developments in supply chain management.

Al Experts



Jason Kellington

Al Expert

As a consultant, trainer, and technical writer with more than 25 years of experience in IT, I specialize in the development and delivery of solutions focused on effective and efficient enterprise IT.



Justin Frébault

Al Expert

I'm a boutique data consultant specializing in data mesh and lakehouse solutions. I've dedicated my career to helping organizations transform their approach to data, moving beyond mere knowledge.



J Tom Kinser

Al Expert

I have over forty years of experience in software development, data engineering, management, and technical training. I am a Microsoft Certified Trainer and a software developer, holding multiple certifications.



Terumi Laskowsky

Al Expert

Country Manager for Global Consulting Services in Japan, Specialties: Information Security (Compliance, Policy, Application, Host, Network)



Contact

252 West 37th St., Suite 1200W New York, NY 10018



