

Blockchain & Supply Chain Transparency in Manufacturing

COURSE OVERVIEW

This course explores blockchain technology and its current role in revolutionizing manufacturing operations by enhancing traceability, accountability and trust across the supply chain. It integrates technical knowledge with real applications, case studies and strategies for implementing blockchain solutions to mitigate risks, improve efficiency and promote sustainable manufacturing practices. Participants will gain insight into the principles of distributed ledger technology, smart contracts and digital tracking systems that ensure data integrity and actual visibility from raw material sourcing to product delivery.

WHO SHOULD ATTEND?

This course is developed for manufacturing executives, supply chain managers, operations leaders, technology professionals, consultants and policymakers seeking to understand how blockchain can drive transparency, compliance and competitiveness in manufacturing ecosystems. It is also suitable for professionals involved in logistics, procurement, quality assurance and digital transformation initiatives.

COURSE OUTCOMES

Delegates will gain the skills and knowledge to:

- Understand the fundamentals of blockchain technology and its relevance to manufacturing.
- Map blockchain applications across supply chain processes for enhanced traceability.
- Evaluate blockchain frameworks for supply chain integration and data security.
- Develop strategies for implementing blockchain-based transparency systems.
- Assess the business, ethical, and sustainability implications of blockchain adoption.
- Leverage blockchain analytics to improve efficiency, accountability, and trust in supply chain operations.

KEY COURSE HIGHLIGHTS

At the end of the course, you will understand;

- How blockchain ensures transparency through a shared, tamper-proof ledger.
- Ways to improve traceability and verify product authenticity across the supply chain.
- How smart contracts automate processes and boost operational efficiency.
- Methods to protect data integrity and prevent unauthorized access.
- How blockchain supports compliance with secure, auditable records.
- Its role in building trust, enhancing collaboration, and lowering costs in manufacturing.

All our courses are dual-certificate courses. At the end of the training, the delegates will receive two certificates.

1. A GTC end-of-course certificate
2. Continuing Professional Development (CPD) Certificate of completion with earned credits awarded