Digital Supply Chain Risk Management Training Course

Professional Development Training Course Outline

Category	Defense and Security	**Duration**	5 Days
Base Fee	$1,500 USD	**Delivery Mode**	Online / On-site Hybrid

Course Introduction

The digitalization of supply chains has introduced unprecedented efficiency, visibility, and scalability to organizations across industries. However, it has also increased exposure to diverse risks, including cybersecurity threats, operational disruptions, regulatory non-compliance, data breaches, and supplier instability. Digital Supply Chain Risk Management Training Course provides an in-depth exploration of digital supply chain risk management strategies, equipping participants with the knowledge and practical tools required to identify, assess, mitigate, and monitor risks in complex digital supply chain networks. Emphasis is placed on emerging technologies, real-time analytics, blockchain integration, and AI-driven risk detection to enhance decision-making and resilience.

Participants will gain insights into proactive risk frameworks, governance structures, and compliance mechanisms to ensure robust operational continuity and stakeholder confidence. The training emphasizes practical case studies, hands-on exercises, and scenario simulations that enable professionals to implement data-driven strategies, enhance supply chain transparency, and strengthen collaboration with internal teams, suppliers, and regulatory bodies. By the end of the course, participants will be capable of designing, monitoring, and executing comprehensive digital supply chain risk management programs that optimize efficiency while minimizing exposure to potential disruptions.

Programme Curriculum

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Course Objectives

1. Understand the fundamentals of digital supply chain risk management.
2. Identify key operational, cyber, financial, and regulatory risks in digital supply chains.
3. Apply risk assessment frameworks and quantitative analytics tools.
4. Integrate AI, IoT, and blockchain technologies for risk detection and mitigation.
5. Develop governance policies and standard operating procedures for risk management.
6. Monitor supplier performance and manage third-party risks effectively.
7. Implement business continuity and contingency planning strategies.
8. Strengthen cybersecurity measures in digital supply chain systems.
9. Ensure compliance with international standards, regulations, and industry best practices.
10. Apply scenario analysis and stress-testing techniques for risk preparedness.
11. Build resilience against disruptions due to pandemics, geopolitical events, or natural disasters.
12. Optimize decision-making through data-driven risk intelligence.
13. Design strategic frameworks for sustainable and resilient digital supply chains.

Organizational Benefits

- Enhanced risk awareness across digital supply chain networks
- Improved operational continuity and business resilience
- Increased efficiency through proactive risk mitigation
- Strengthened supplier and third-party risk management
- Better alignment with regulatory and compliance requirements
- Reduced financial losses from operational disruptions
- Enhanced cybersecurity posture and data protection
- Informed strategic decision-making through data analytics
- Increased stakeholder confidence and trust
- Sustainable and resilient supply chain practices

Target Audiences

- Supply chain managers and operations leaders
- Risk management and compliance professionals
- IT and cybersecurity teams in supply chain functions
- Procurement and vendor management officers
- Logistics and distribution managers

- Business continuity and disaster recovery specialists
- Consultants in supply chain and risk advisory
- Senior management and strategic decision-makers

Course Duration: 5 days

Course Modules

Module 1: Overview of Digital Supply Chain Risks

- Introduction to digital supply chain risk concepts and categories
- Mapping of digital supply chain networks and exposure points
- Risk prioritization and impact analysis techniques
- Regulatory, financial, and operational considerations
- Emerging threats in digitalized supply chains
- Case Study: Cyber-attack on a multinational supply chain

Module 2: Risk Assessment and Quantitative Tools

- Risk identification methodologies for digital supply chains
- Qualitative and quantitative risk assessment frameworks
- Scenario analysis and predictive risk modeling
- Key risk indicators (KRIs) and metrics for monitoring
- Risk scoring, ranking, and prioritization strategies
- Case Study: Risk assessment implementation in a global logistics firm

Module 3: Cybersecurity in Digital Supply Chains

- Cyber threats and vulnerabilities in supply chain systems
- Secure data exchange, encryption, and access management
- Implementation of cybersecurity frameworks (e.g., NIST, ISO 27001)
- Incident response planning and breach management
- Training and awareness programs for staff and suppliers
- Case Study: Cyber resilience improvement in an e-commerce supply chain

Module 4: Supplier and Third-Party Risk Management

- Vendor selection, due diligence, and onboarding processes
- Monitoring supplier performance and compliance
- Contractual risk mitigation and liability management
- Collaborative risk management strategies with suppliers
- Supplier disruption contingency planning
- Case Study: Managing third-party risk in a multi-tier supplier network

Module 5: Technology-Driven Risk Mitigation

- Integration of AI, IoT, and blockchain for risk detection
- Predictive analytics and real-time monitoring tools
- Automated alerts and anomaly detection in supply chain operations
- Digital twin and simulation models for risk analysis
- Technology adoption challenges and mitigation strategies
- Case Study: AI-based predictive risk monitoring in manufacturing supply chains

Module 6: Compliance and Regulatory Risk Management

- Understanding global and local regulatory frameworks
- Compliance audits and reporting procedures
- Managing trade, customs, and environmental compliance risks
- Data privacy and protection compliance in digital supply chains
- Internal controls and governance mechanisms
- Case Study: Compliance risk remediation in a multinational company

Module 7: Business Continuity and Contingency Planning

- Development of business continuity and disaster recovery plans
- Identification of critical supply chain nodes and dependencies
- Contingency strategies for operational disruptions
- Crisis communication and stakeholder management
- Recovery planning and post-incident evaluation
- Case Study: Supply chain recovery after natural disaster disruption

Module 8: Strategic Risk Management and Resilience

- Integrating risk management into supply chain strategy
- Risk culture and leadership accountability
- Sustainability and resilience frameworks for long-term success
- Continuous monitoring and improvement practices
- Reporting, governance, and board oversight
- Case Study: Building a resilient digital supply chain in a multinational corporation

Training Methodology

- Instructor-led presentations and expert lectures
- Case study analysis and group discussions
- Hands-on exercises and scenario simulations
- Risk assessment and quantitative tool demonstrations
- Peer learning and sharing of best practices
- Action planning and implementation roadmap creation

Register as a group from 3 participants for a Discount

Send us an email: info@fineskilltrainingcenter.org or call *+254769199797*

Certification

Upon successful completion of this training, participants will be issued with a globally- recognized certificate.

Tailor-Made Course

We also offer tailor-made courses based on your needs.

Key Notes

a. The participant must be conversant with English.

b. Upon completion of training the participant will be issued with an Authorized Training Certificate

c. Course duration is flexible and the contents can be modified to fit any number of days.

d. The course fee includes facilitation training materials, 2 coffee breaks, buffet lunch and A Certificate upon successful completion of Training.

e. One-year post-training support Consultation and Coaching provided after the course.

f. Payment should be done at least a week before commence of the training, to Fineskill Training Center account, as indicated in the invoice so as to enable us prepare better for you.

Upcoming Scheduled Sessions

Start Date	End Date	Location	Price
23 Nov 2026	27 Nov 2026	Online	$1,000
23 Nov 2026	27 Nov 2026	Physical	$1,500
23 Nov 2026	27 Nov 2026	Physical	$3,000
23 Nov 2026	27 Nov 2026	Physical	$3,000
23 Nov 2026	27 Nov 2026	Physical	$6,000
23 Nov 2026	27 Nov 2026	Physical	$4,500
23 Nov 2026	27 Nov 2026	Physical	$6,000
23 Nov 2026	27 Nov 2026	Physical	$6,000

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