IDS

BLOCKCHAIN FOR SCM PROFESSIONALS.

FOR SUPPLY CHAIN MANAGEMENT AND LOGISTIC EXECUTIVES AND MANAGERS.

DESIGNED & DELIVERED BY BLOCKCHAIN ARCHITECTS & PRACTITIONERS.

PROGRAM OFFERING BY

ABOUT IDS - INFORMATION DATA SYSTEMS.

IDS is Global Digital transformation and IT products & services Leader headquartered in Michigan. Since 1996 we have been helping global companies and governments re-imagine their business by building impactful digital engineering solutions powered by emerging technologies like AI, Blockchain, Cloud and Internet of Things.

IDS help enterprises and governments accelerate adoption of new technologies, untangle complex issues that always emerge during digital evolution, and orchestrate ongoing innovation, the company leads the process from ideation and concept to delivery, and provides ongoing support through its complete framework.

INTRODUCTION TO PROGRAM

Global supply chains have become complex, volatile and opaque due to it's size. Blockchain can enable interoperable supply chains, which is poised to change the way SCM works to whole new level of co-ordination and collaboration between supply chain stakeholders.

SCM IT applications in use today have created data silos, which has brought information asymmetry and operational inefficiencies. This program throws light on how Blockchain as a technology can be leveraged to overcomes the challenges to create efficient and effective supply chain and logistics operations.

Blockchain for SCM Professionals program empowers you with the understanding, frameworks and practical tools to leverage this transformational technology and position your supply chain and logistics operations at the forefront of innovation.

Highly practical yet grounded in the latest research, the course is enriched by insights from leading-edge practitioners and extensive use of real-world case studies. Learning is accelerated through sessions on the practical application of technology that address your specific business challenges or use case of your interest, and the dynamic interchange of ideas and perspectives with a broad range of fellow business leaders and change-makers.

DESIGN, DEPLOY AND DELIVER THE TRANSFORMATIONAL POWER OF BLOCKCHAIN TECHNOLOGY ACROSS YOUR BUSINESS.

You emerge with the strategic decision-making capabilities, the future-proof technical and managerial insights, and the innovation mindset to formulate dynamic action plans that drive real value of blockchain for yourself and your supply value chains.

Program Objective:

1. Master the technologies behind blockchain and explore their application in supply chain and logistics industry.
2. Understand how to evaluate blockchain for a given business scenario and choose right type of blockchain - public/private/hybrid.
3. See how blockchain technology is being harnessed across SCM operations, business functions and activities through 10+ real world case studies.
4. Develop an approach to spot the relevant opportunities, formulate strategy and build the business use case for blockchain applications in your SCM.

CONTENT

MODULE 1

Duration 4 Hours.

SCM AND LOGISTICS LANDSCAPE

1. Supply chain 4.0.
2. Dissecting Supply Value chain.
3. 5 key processes of SCM - Plan, Source, Make, Deliver and Return.
4. Understanding SCM IT applications land scape and challenges.
5. Key SCM Business objectives and market forces.

Key take away: Understanding SCM Value chain and the key processes of a typical supply chain.

MODULE 2

Duration 10 Hours.

ESSENTIALS OF BLOCKCHAIN

1. Essential understanding of Blockchain.
2. Emergence of Blockchain.
3. Building Blocks of Blockchain.
4. Concepts of Distributed Ledger & Decentralized Networks.
5. Fundamentals of Cryptography, Game theory & Distributed Computing.
6. Understanding of Bitcoin & How it works.
7. Understanding General purpose Public Blockchain - Ethereum.
8. Introduction to Private Blockchain - Hyperledger, R3 Corda & Quorum.

Key take away : Understanding fundamental concepts of Blockchain .

MODULE 3

Duration 6 Hours.

EVALUATION FRAMEWORK OF BLOCKCHAIN.

1. Evolution of Blockchain and Classification of Blockchain - Public, Private & Hybrid Blockchains.
2. Key benefits of Blockchain and DLTs.
3. Blockchain Fit Assessment Framework.
4. Technology - Business considerations for Blockchain Implementation.

Key takeaway : Evolution of Blockchain and ability to assess the usability of blockchain for a given problem statement.

MODULE 4

Duration 10 Hours.

EXPLORATION OF BLOCKCHAIN CASE STUDIES.

OPERATIONS

1. Procurement.
2. Provenance & Traceability.
3. Order Management.
4. Work flow orchestration.
5. Integrated Business planning and procurement.
6. Audit and Compliance.

FINANCIAL SERVICES

1. Invoice processing.
2. Trade and Supply chain Finance.
3. International payments and settlements.

LOGISTICS

1. Multi party Freight tracking.
2. Dynamic LTL (Less than Load) Freight management.

Key take aways : Blockchain applications in SCM and Logistics Industry.

MODULE 5

Duration 10 Hours.

BLOCKCHAIN STRATEGY & SOLUTION ARCHITECTING.

1. Identifying and Scoping of a business use case for Blockchain Implementation.
2. Choosing a technology Stack & Governance Strategy for Blockchain transformation.
3. Design thinking approach and considerations for Blockchain projects.
4. Capstone project - Formulating Blockchain strategy and solution for use case of interest.

Key takeaways : Ability to formulate strategy and solution for Blockchain projects.

LEARN TO LEAD & LEAD TO LEARN.

In Industry 4.0, Life long learning is the new normal. We enable people to learn new technologies.