

Leadership & Executive

2030 - Building Digital Supply Chain

Curriculum

Program Outline :

Module 1: Fundamentals of 2030 - Building Digital Supply Chain

- **Digital Transformation:**

Understand the importance of digital transformation in modern supply chain management.

- **Data-Driven Decision Making:**

Utilize data analytics and visualization tools to make informed decisions and optimize supply chain processes.

- **Advanced Technologies Integration:**

Implement advanced technologies such as AI, IoT, blockchain, and robotics to enhance supply chain operations.

Module 2: Advanced 2030 - Building Digital Supply Chain

- **Advanced Data Analytics and AI Integration:**

Utilize advanced data analytics and artificial intelligence to predict demand, optimize inventory, and enhance decision-making processes.

- **End-to-End Supply Chain Visibility:**

Implement IoT devices and blockchain technology to achieve real-time visibility and traceability across the entire supply chain.

- **Resilient and Agile Supply Chain:**

Develop strategies to enhance supply chain resilience and agility, enabling quick responses to disruptions and market changes

Module 3: Practical Applications

- **Predictive Analytics for Demand Forecasting:**

Use advanced data analytics and AI to predict demand patterns and optimize inventory levels.

- **Real-Time Supply Chain Visibility:**

Implement IoT devices and blockchain technology to achieve real-time tracking and monitoring of goods throughout the supply chain.

- **Automation and Robotics:**

Integrate robotic process automation (RPA) and robotics to streamline warehouse operations and reduce manual errors.

Module 4: Capstone Project

- **Predictive Analytics for Demand Forecasting:**

Implement AI-driven predictive analytics to accurately forecast demand and optimize inventory levels

- **End-to-End Supply Chain Visibility:**

Utilize IoT devices and blockchain technology to achieve real-time tracking and monitoring of goods throughout the supply chain.

- **Robotic Process Automation (RPA) Integration:**

Integrate RPA and robotics to streamline warehouse and logistics operations, reducing manual errors and increasing efficiency.

Elective Modules

- **Advanced Data Analytics and AI:**

Leverage advanced data analytics and artificial intelligence to optimize supply chain operations.

- **IoT and Blockchain Integration:**

Explore the use of IoT devices and blockchain technology for real-time supply chain visibility and traceability.

- **Sustainable Supply Chain Practices:**

Implement sustainable and ethical supply chain practices to minimize environmental impact.

- **Cyber security for Digital Supply Chains:**

Ensure the security and integrity of digital supply chain systems against cyber threats.

- **Robotic Process Automation (RPA) and Robotics:**

- Integrate robotic process automation and robotics to streamline supply chain processes and increase efficiency.

Websites:

- <https://chools.in/>
- <https://ramaqchools.com/>
- <https://www.choolsgroup.com/>