



केन्द्रीय शैक्षणिक एवम् तांत्रिक माहिती संशोधन समीती

CENTRAL EDUCATION & INFORMATION TECHNOLOGY RESEARCH COMMITTEE

AN AUTONOMOUS INSTITUTION REGD. BY THE GOVT. OF NCT OF DELHI UNDER ITA 1882 GOVT. OF INDIA

REGD. BY NCS-MINISTRY OF LABOUR AND EMPLOYMENT GOVT. OF INDIA

REGD. AT MINISTRY OF MICRO, SMALL AND MEDIUM ENTERPRISES (MSME), GOVT. OF INDIA

An Autonomous Organization works for IT, HRD & Literacy



NCS-REGD. OFFICE
Govt. of India



सत्यमेव जयते

REGD. NO.: S14K81-1040424644087

Diploma in Warehouse Management

The Executive Program in Supply Chain Management During Uncertain Times, from IIM Lucknow, seeks to help working professionals develop capabilities that will enable them to make effective managerial decisions and tackle complex challenges involving supply chain uncertainty amidst the global pandemic. The course focuses on developing the participant's functional management skills, strategic planning, and complimentary problem-solving skills to enhance their technical expertise. This course also aims to develop the modeling and analytical capabilities of the participants, which are crucial for higher-level managerial responsibilities.

Taught by the eminent faculty of IIM Lucknow and covering the entire gamut of SCM concepts ranging from SC planning and strategic alignment, inventory management, logistics and transportation management to SC analytics and technological innovations within supply chain management, this course serves as an essential building block for the career progression of participants. This course also covers the application of contemporary and emerging technologies such as Supply Chain Digital Transformation, Industry 4.0 Applications in Supply Chains – Blockchain, IoT, Digital fulfilment, Omnichannel and Circular Supply Chains etc. Upon completion of this course, participants are expected to

- Understand and analyze the supply chain management issues in a firm
- Apply logistics and purchasing concepts to improve supply chain operations
- Demonstrate an overall knowledge of supply chain in the areas of transportation, purchasing, inventory management and customer service
- Understanding the role of inventory management in overall planning and execution of supply chain management
- Understanding the issues and challenges in warehouse management, its role in the allocation and accumulation of goods in the supply chain



केन्द्रीय शैक्षणिक एवम् तांत्रिक माहिती संशोधन समीती

CENTRAL EDUCATION & INFORMATION TECHNOLOGY RESEARCH COMMITTEE
AN AUTONOMOUS INSTITUTION REGD. BY THE GOVT. OF NCT OF DELHI UNDER ITA 1882 GOVT. OF INDIA
REGD. BY NCS-MINISTRY OF LABOUR AND EMPLOYMENT GOVT. OF INDIA
REGD. AT MINISTRY OF MICRO, SMALL AND MEDIUM ENTERPRISES (MSME), GOVT. OF INDIA
An Autonomous Organization works for IT, HRD & Litarcy



- Articulate the consequences of real decisions that impacts the supply chain. These include, but are not limited to cost, quality, customer service, coordination, and outsourcing
- Understand the application of latest technologies such as Industry 4.0, Blockchain Technology, IOT, Dynamic Pricing etc in supply chain environment during uncertain times

Module 1 – Fundamentals of Operations Management

- Operations Strategy and Competitiveness
- Product Design and Development
- Design of Manufacturing & Service Processes
- Process Analysis
- Principles of Project Management

Module 2 – Introduction to Supply Chain Management & Supply Chain Strategy

- Key Performance Drivers
- Supply Chain Processes and Decisions
- Supply Chain Strategy
- Supply Chain Network Design
- Facility Location

Module 3 – Demand Forecasting

- Time-series Forecasting
- Seasonal Forecasting Models
- Managing Demand Variability
- Scale and Capacity Planning
- Advanced Forecasting Models

Module 4 – Supply Chain Planning



केन्द्रीय शैक्षणिक एवम् तांत्रिक माहिती संशोधन समीती

CENTRAL EDUCATION & INFORMATION TECHNOLOGY RESEARCH COMMITTEE

AN AUTONOMOUS INSTITUTION REGD. BY THE GOVT. OF NCT OF DELHI UNDER ITA 1882 GOVT. OF INDIA

REGD. BY NCS-MINISTRY OF LABOUR AND EMPLOYMENT GOVT. OF INDIA

REGD. AT MINISTRY OF MICRO, SMALL AND MEDIUM ENTERPRISES (MSME), GOVT. OF INDIA

An Autonomous Organization works for IT, HRD & Literacy



NCS-REGD. OFFICE
Govt. of India



सत्यमेव जयते

REGD.NO.: S14K81-1040424644087

- Sales and Operations Planning
- Material Requirement Planning
- Operations Scheduling & Control
- JIT & Quality Management
- Designing Lean and Agile Supply Chains

Module 5 – Inventory and Warehouse Management

- Independent Demand Systems
- Inventory Control
- Service Levels and Tradeoffs
- Warehouse Operations
- Warehouse Performance and Storage Issues

Module 6 – Sourcing, Supplier Relationships and Supply Chain Coordination

- Make-Buy Decisions, Outsourcing/ Off-shoring
- Replenishment Approaches & Vendor Managed Inventory
- Bullwhip Effect
- Supply Contracts
- Role of Information and Technology in Supply Chains

Module 7- Dynamic Pricing in a Supply Chain

- Introduction to Dynamic Pricing
- The success of dynamic pricing in various industries
- Pricing analytics to exploit market opportunities
- Auctions in supply chain
- Online advertisement auctions of Google, Facebook

Module 8 – Logistics and Transportation Management



केन्द्रीय शैक्षणिक एवम् तांत्रिक माहिती संशोधन समीती

CENTRAL EDUCATION & INFORMATION TECHNOLOGY RESEARCH COMMITTEE

AN AUTONOMOUS INSTITUTION REGD. BY THE GOVT. OF NCT OF DELHI UNDER ITA 1882 GOVT. OF INDIA

REGD. BY NCS-MINISTRY OF LABOUR AND EMPLOYMENT GOVT. OF INDIA

REGD. AT MINISTRY OF MICRO, SMALL AND MEDIUM ENTERPRISES (MSME), GOVT. OF INDIA

An Autonomous Organization works for IT, HRD & Literacy



NCS-REGD. OFFICE
Govt. of India



सत्यमेव जयते

REGD. NO.: S14K81-1040424644087

- Logistics: Importance and Issues
- Transportation Modes
- Networks and Tradeoffs
- Cross-docking and Consolidation
- Transshipment

Module 9 – Supply Chain Analytics and Sustainable Supply Chains

- Performance Management
- Vehicle Routing and Scheduling
- Supply Chain Optimization
- Sustainable SC Strategy
- Green Logistics

Module 10 – Technological Innovations within Supply Chain Management

- Supply Chain Digital Transformation
- Industry 4.0 Applications in Supply Chains – Blockchain, IoT etc.
- Digital fulfilment, Omnichannel and Circular Supply Chains
- End-to-end Supply Chain Risk Management
- The Future of Supply Networks

Module 11 – Capstone Project

Participants will work over a real-life supply chain problem to apply the knowledge gained during the course. There can be individual or group projects.