



Indian Institute of Technology Delhi
(IIT Delhi)

Executive Management Programme in Supply Chain & Operations Analytics

Type

Executive Program

Mode

Online

Duration

8 Months

Total fees

₹ 140,000

Indian Institute of Technology Delhi (IIT Delhi)

Established in 1961 as an Institute of National Importance, the Indian Institute of Technology Delhi (IIT Delhi) is one of India's premier institutions for engineering, technology and research. Renowned for its academic excellence, innovation and global collaborations, the institute fosters interdisciplinary learning and industry-driven research. IIT Delhi is committed to developing future-ready professionals and leaders capable of driving technological advancement and societal impact.

Executive Management Programme in Supply Chain & Operations Analytics

Highlights

- ◆ Build end-to-end capabilities across supply chain strategy, demand planning, inventory, logistics and procurement.
- ◆ Explore Generative and Agentic AI applications in forecasting, risk management and logistics optimisation.
- ◆ Learn from IIT Delhi faculty and experienced industry professionals through an application-oriented curriculum.
- ◆ Apply analytical frameworks through simulations, realistic supply chain datasets, assignments and a capstone project.
- ◆ Experience a flexible live online learning format designed around the schedules of working professionals.

Learning outcomes

- ◆ Align supply chain and operations strategies with organisational goals and performance priorities.
- ◆ Apply forecasting, inventory and prescriptive analytics techniques to support operational decisions.
- ◆ Optimise logistics, transportation, sourcing and distribution-network decisions using structured frameworks.
- ◆ Use AI-enabled analytics to identify risks, anomalies and improvement opportunities across supply chains.
- ◆ Design resilient, sustainable and technology-enabled supply chain solutions for evolving business environments.

Eligibility Criteria

Any Graduate.

Curriculum Overview

Module I: Supply Chain Management and Strategy (5 subjects)

- ◆ Overview of Principles
 - ◆ Strategic Frameworks
 - ◆ Aligning Strategy with Goals
 - ◆ Supply Chain Drivers and Metrics
 - ◆ Measuring Performance
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Module II: Generative AI & Agentic AI for Supply Chain professionals (3 subjects)

- ◆ AI tools for actionable supply chain insights
 - ◆ Practical AI lab sessions with realistic SCM datasets
 - ◆ AI Driven assignment and capstone
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Module III: Demand Forecasting and Planning (5 subjects)

- ◆ Quantitative Forecasting Techniques
- ◆ Forecasting Applications
- ◆ Aggregate Planning
- ◆ Agentic Analytics
- ◆ Time Series Analysis



Curriculum Overview (continued)

Module IV: Inventory Management Techniques (5 subjects)

- ◆ Long Life Cycle Products
 - ◆ Trade Promotions
 - ◆ Uncertainty and Stochastic Demand
 - ◆ Short Life Cycle Products
 - ◆ Descriptive and Prescriptive Analytics
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Module V: Coordination and Anomalies in Supply Chains (5 subjects)

- ◆ Channel Coordination Contracts
 - ◆ Bullwhip Effect
 - ◆ Double Marginalization
 - ◆ Beer Game Simulation
 - ◆ Identifying Anomalies
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Module VI: Transportation and Logistics Operations (5 subjects)

- ◆ Logistics Operations Management
 - ◆ Transportation Network Modes
 - ◆ Vehicle Routing Decisions
 - ◆ Network Design
 - ◆ Prescriptive Analytics Optimization
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Module VII: Network Design and Optimization (5 subjects)

- ◆ Designing Distribution Networks
- ◆ Network Design Frameworks
- ◆ Uncertain Environment Design
- ◆ Agentic Analytics
- ◆ Prescriptive Analytics



Module VIII: Sourcing and Procurement Strategies (5 subjects)

- ◆ Supplier Selection
 - ◆ Make Vs Buy Decisions
 - ◆ Optimal Procurement Policies
 - ◆ Global Sourcing
 - ◆ Negotiation Strategies
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Module IX: Supply Chain Disruption and Resilience (5 subjects)

- ◆ Understanding Disruptions
 - ◆ Managing Disruptions
 - ◆ Enhancing Resilience
 - ◆ Building Resilience in Design
 - ◆ Agentic and Prescriptive Analytics
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Module X: Financial and Costing Decisions (5 subjects)

- ◆ Costing Decisions
 - ◆ Pricing Analytics
 - ◆ Revenue Management
 - ◆ Descriptive Analytics
 - ◆ Cost Analysis
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Module XI: Financial and Costing Decisions (5 subjects)

- ◆ Digital Transformation
- ◆ Emerging Technologies (AI, IoT, Blockchain)
- ◆ Blockchain Implementation
- ◆ Cognitive Analytics
- ◆ Intelligent Decision-Making



Curriculum Overview (continued)

Module XII: Sustainability, Ethics, and Leadership (5 subjects)

- ◆ Sustainable Supply Chains
- ◆ Environmental Impact Assessment
- ◆ Ethical Sourcing
- ◆ Leadership Principles
- ◆ Stakeholder Management

Fee Structure

Fee heads	Amount
Program Fee	₹ 140,000
Total	₹ 140,000