

भारतीय प्रौद्योगिकी संस्थान दिल्ली
Indian Institute of Technology Delhi
NIRF Rank 4 in Management Category 2024

Executive Management Programme in Supply Chain & Operations Analytics

6 Months | Live Online Sessions



Programme offered by Continuing Education Programme (CEP), IIT Delhi

→ PROGRAMME OVERVIEW

As one of the leading educational institutions in India, IIT Delhi brings you an exceptional opportunity to master the art and science of supply chain & operations analytics. The Executive Management Programme in Supply Chain & Operations Analytics is meticulously designed to equip professionals with cutting-edge knowledge and practical skills essential for optimizing supply chain and operations processes. This comprehensive programme delves into advanced analytical techniques, strategic decision-making, and the latest technological advancements, ensuring participants are well-prepared to tackle complex challenges in the dynamic global market. Join us and embark on a transformative journey that will elevate your capabilities to new heights.

→ FEES

₹ 1,20,000 + 18% GST

→ WHO IS THIS PROGRAMME FOR?

Business Managers and Executives: Those who are responsible for making strategic decisions and seeking to enhance their understanding of supply chain analytics to drive efficiency and competitiveness.

Consultants and Analysts: Professionals providing consultancy services or performing data analysis in supply chain and operations domains, looking to deepen their expertise and offer more value to their clients.

Entrepreneurs and Business Owners: Individuals who manage businesses with significant supply chain and operational components and aim to implement best practices and innovative solutions.

Technical and Engineering Professionals: Engineers and technical experts who wish to transition into management roles or augment their technical knowledge with strategic and analytical skills in supply chain and operations.

→ PROGRAMME DETAILS

Eligibility

Bachelor's Degree

Duration

75hrs | 6 months

Delivery

Live Online Sessions

Schedule

09:30 am - 12:30 pm Sundays

Application Closure Date

30th November, 2024

Commencement Date

5th January, 2025

Admission Criteria

Selection based on application review



→ JOB FUNCTIONS

- ▶ Supply Chain Manager
- ▶ Logistics Manager
- ▶ Demand Planning Analyst
- ▶ Production Planner
- ▶ Supply Chain Consultant
- ▶ Operations Manager
- ▶ Inventory Control Manager
- ▶ Procurement Manager
- ▶ Business Analyst
- ▶ Process Improvement Manager

→ PROGRAMME HIGHLIGHTS



e-Certificate of successful completion from CEP, IIT Delhi:

The approved criteria for completion e-certificate is 'More than 50% of assessment marks and 40% of attendance ' and for the participation e-certificate is ' Less than 50% of Assessment marks and 40% of Attendance'



Comprehensive Curriculum: The programme covers a wide range of topics, including demand forecasting, inventory management, logistics, and supply chain strategy, providing a holistic understanding of the field.



Expert Faculty and Industry Leaders: Participants will learn from renowned IIT Delhi faculty and experienced industry professionals, gaining insights from both academic and real-world perspectives.



Networking Opportunities: The programme facilitates interactions with peers, alumni, and industry leaders, fostering valuable connections and potential collaborations within the supply chain and operations community.



Flexible Learning Format: Designed for working professionals, the programme offers a blend of online and in-person sessions, ensuring a flexible and convenient learning experience without compromising on the quality of education

→ LEARNING OUTCOMES



Strategic Decision-Making: Develop the ability to make data-driven, strategic decisions that enhance supply chain efficiency, reduce costs, and improve overall operational performance.



Advanced Analytical Skills: Gain proficiency in using advanced analytical tools and techniques for demand forecasting, inventory management, logistics optimization, and process improvement.



Comprehensive Knowledge: Acquire a deep understanding of supply chain and operations management principles, including the latest industry trends and technological advancements.



Problem-Solving Capabilities: Enhance critical thinking and problem-solving skills to effectively tackle complex supply chain and operations challenges in a dynamic global environment.



Leadership and Innovation: Build leadership skills and an innovative mindset to drive operational excellence and implement best practices within your organization.

→ PROGRAMME MODULES

Module 1: Supply Chain Management and Strategy

- ▶ Overview of Principles
- ▶ Strategic Frameworks
- ▶ Aligning Strategy with Goals
- ▶ Supply Chain Drivers and Metrics
- ▶ Measuring Performance

Module 2: Demand Forecasting and Planning

- ▶ Quantitative Forecasting Techniques
- ▶ Forecasting Applications
- ▶ Aggregate Planning
- ▶ Predictive Analytics
- ▶ Time Series Analysis

Module 3: Inventory Management Techniques

- ▶ Long Life Cycle Products
- ▶ Trade Promotions
- ▶ Uncertainty and Stochastic Demand
- ▶ Short Life Cycle Products
- ▶ Descriptive and Prescriptive Analytics

Module 4: Coordination and Anomalies in Supply Chains

- ▶ Channel Coordination Contracts
- ▶ Bullwhip Effect
- ▶ Double Marginalization
- ▶ Beer Game Simulation
- ▶ Identifying Anomalies

Module 5: Transportation and Logistics Operations

- ▶ Logistics Operations Management
- ▶ Transportation Network Modes
- ▶ Vehicle Routing Decisions
- ▶ Network Design
- ▶ Prescriptive Analytics Optimization

Module 6: Network Design and Optimization

- ▶ Designing Distribution Networks
- ▶ Network Design Frameworks
- ▶ Uncertain Environment Design
- ▶ Predictive Analytics
- ▶ Prescriptive Analytics

Module 7: Sourcing and Procurement Strategies

- ▶ Supplier Selection
- ▶ Make Vs Buy Decisions
- ▶ Optimal Procurement Policies
- ▶ Global Sourcing
- ▶ Negotiation Strategies

Module 8: Supply Chain Disruption and Resilience

- ▶ Understanding Disruptions
- ▶ Managing Disruptions
- ▶ Enhancing Resilience
- ▶ Building Resilience in Design
- ▶ Predictive and Prescriptive Analytics

Module 9: Financial and Costing Decisions

- ▶ Costing Decisions
- ▶ Pricing Analytics
- ▶ Revenue Management
- ▶ Descriptive Analytics
- ▶ Cost Analysis

Module 10: Technology and Innovation in Supply Chain

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

Module 11: Sustainability, Ethics, and Leadership

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

Modules/ topics are indicative only, and the suggested time and sequence may be dropped/ modified, or adapted to fit the total programme hours.

Capstone Project and Case Studies

- Capstone Presentation
- Real-World Case Studies
- Review and Feedback
- Practical Applications
- Industry Insights

Additional Components

- Hands-on Sessions
- Guest Lectures
- Periodic Assessments
- Quizzes
- Capstone Project

→ PROGRAMME e-CERTIFICATE



Programme Code: _____

 **Indian Institute of Technology Delhi** 
HAUZ KHAS, NEW DELHI- 110016

Department/Centre/School of

Continuing Education Programme
On
Title of the Programme

This is to certify that

Mr./Ms. **Name Of The Participant**

has successfully completed the online certificate programme on "Title of the Programme" held from to by the Indian Institute of Technology Delhi.

Prof. Programme Coordinator
Prof. Head of the Department
Prof. Head/Associate Head, QIP/CEP

An initiative under eVEDYA@IITD (5-Ring@IITD)



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- The above e-certificate is for illustrative purposes only and the format of the e-certificate may be changed at the discretion of IIT Delhi.
- Only e-certificate will be provided and it will be issued by CEP, IIT Delhi.
- The organizing department of this programme is the Department of Management Studies, IIT Delhi.

Participants must attend at least 60% of lectures and tutorials to be eligible for any e-certificate in the programme. Those who achieve over 50% marks will be awarded a e-certificate of completion, while those who do not will receive a e-certificate of participation. We encourage you to attend all the live sessions and make the best out of these interactive learning experiences. Post-session recordings will be available for revision for two months after the programme completion.

➔ PROGRAMME FEE

Particulars	Amount (₹)
Programme Fees	₹ 1,20,000
GST @ 18%	₹ 21,600
Total Fees	₹ 1,41,600

Note:

- All fees should be submitted in the IITD CEP account only, and the details will be shared post-selection.
- The receipt will be issued by the IIT Delhi CEP account for your records.
- Easy EMI options available.
- Loan and EMI Options are services offered by Teamlease Edtech. IIT Delhi is not responsible for the same.

➔ WITHDRAWAL & REFUND FROM PROGRAMME

- Candidates can withdraw within 15 days from the programme start date. A total of 80% of the total fee received will be refunded. However, the applicable tax amount paid will not be refunded on the paid amount.
- Candidates withdrawing after 15 days from the start of the programme session will not be eligible for any refund.
- If you wish to withdraw from the programme, you must email cepaccounts@admin.iitd.ac.in and cepdelhi@digiversity.com, stating your intent to withdraw. The refund, if applicable, will be processed within 30 working days from the date of receiving the withdrawal request.

→ PAYMENT SCHEDULE

Installment	Installment Date	Amount (₹)
I	Within 3 days of offer roll out	₹ 60,000+GST
II	15th January 2025	₹ 60,000+GST

Total fees - ₹ 1,20,000+GST [No cost EMI available]

Note:

- GST @ 18% will be charged extra in addition to the fee.

→ PROGRAMME TIMELINES

Application Closure Date	30th November, 2024
Commencement Date	5th January, 2025

APPLY NOW

PROGRAMME COORDINATOR

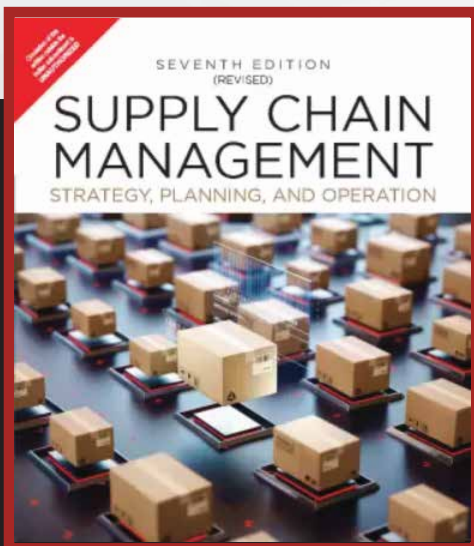


PROF. GOURAV DWIVEDI

Assistant Professor

DEPARTMENT OF MANAGEMENT STUDIES, IIT DELHI

Prof. Gourav Dwivedi is a faculty of Operations & Supply Chain Management at the Indian Institute of Technology Delhi. With over a decade of experience spanning both academia and industry, Prof. Dwivedi brings a unique blend of theoretical knowledge and practical insights to the classroom. His expertise covers a wide range of critical areas in supply chain management, including distributed manufacturing, logistics modelling, Industry 4.0 technologies, behavioural operations, and business sustainability. Prof. Dwivedi actively collaborates with industry partners and government organizations on projects that have a tangible impact on operational efficiency, sustainability, and social development. As an educator, Prof. Dwivedi is deeply committed to nurturing the next generation of supply chain leaders. He has designed and delivered numerous executive education programs, workshops, and courses, covering topics such as supply chain management, analytics, project management, and entrepreneurship development. His teaching is characterized by a focus on practical applications and real-world case studies, ensuring that participants gain the skills and knowledge they need to excel in their careers. He has published his research in leading international journals and presented at international conferences. He is also the co-author of the Indian subcontinent adaptation of "Supply Chain Management: Strategy, Planning, and Operation," a leading SCM textbook globally.



SUPPLY CHAIN MANAGEMENT

STRATEGY, PLANNING, AND OPERATION

7th Revised Edition by Pearson (Pearson Education, Sunil Chopra, Dharam Vir Kalra, Gourav Dwivedi)

→ APPLICATION REQUIREMENTS

Graduation and Post-Graduation Education:

- Consolidated Graduation Marksheet (All Semester)
- Final year students may submit the marksheets up to the previous semester

ID Proof:

- Any Government-issued photo ID like PAN Card/ Driving License/ Passport, etc.
- Submission of passport-size photo during application is mandatory

→ SYSTEM REQUIREMENTS

This programme includes online learning classes conducted on Zoom. To attend an online learning class you will need to have a PC/ Laptop/ Mac with:

- Speakers and microphone: built-in or a USB plug-in or wireless Bluetooth
- Webcam: built-in or USB plug-in
- Processor: with Dual Core 2Ghz or higher (i3/ i5/ i7 or AMD equivalent)
- RAM: 4 GB or higher
- OS: Either MacOS 10.7 or higher OR Windows 8 or higher
- An internet connection: Minimum bandwidth of 3.0 Mbps (up/ down)
- Browser: IE 11+, Edge 12+, Firefox 27+, Chrome 30+
- Zoom software client installed on your PC/ Laptop/ Mac

We use the Zoom software application to conduct online learning classes. Zoom works on a variety of PCs/ Laptops/ Mac systems and also on phones and tablets.

You can join your online learning class from a phone or tablet if it supports the Zoom client.

We recommend that you attend classes from a PCs/ Laptops/ Mac.



➔ ABOUT IIT DELHI

The Indian Institute of Technology Delhi (IIT Delhi) is one of the 5 initial IITs established for training, research and development in science, engineering and technology in India. Established as College of Engineering in 1961, the Institute was later declared as an Institution of National Importance under the “Institutes of Technology (Amendment) Act, 1963” and was renamed as “Indian Institute of Technology Delhi”. It was then accorded the status of a Deemed University with powers to decide its own academic policy, to conduct its own examinations, and to award its own degrees. NIRF Rank 4 in Management Category 2024. Since its inception, over 40,000 students have graduated from IIT Delhi in various disciplines including Engineering, Physical Sciences, Management and Humanities & Social Sciences. Of these, nearly 5070 received PhD degrees. The rest obtained a Master’s Degree in Engineering, Sciences and Business Administration. These alumni today work as scientists, technologists, business managers and entrepreneurs. There are several alumni who have moved away from their original disciplines and have taken to administrative services, active politics or are with NGOs. In doing so, they have contributed significantly to the building of this nation, and to industrialisation around the world.

➔ ABOUT CONTINUING EDUCATION PROGRAMME (CEP)

Executive Education is a vital need for the organisations to build a culture that promotes newer technologies and solutions and builds a workforce that stays abreast of the rapidly transforming needs to the technological, business and regulatory landscape. Committed to the cause of making quality education accessible to all, IIT Delhi has launched Online Certificate Programmes enabling Virtual & Interactive-learning for Driving Youth Advancement@IITD for Indian as well as international participants. These outreach programmes offered by the Indian Institute of Technology Delhi (IIT Delhi) are designed to cater to the training and development needs of various organisations, industries, society and individual participants at national and international level with a vision to empower thousands of young learners by imparting high-quality Online Certificate Programmes in cutting-edge areas for their career advancement in different domains of engineering, technology, science, humanities and management. For more details, please visit: <http://cepqip.iitd.ac.in>





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For any feedback , please write to
CEP IIT Delhi at
contactcep@admin.iitd.ac.in

Online Certificate Programmes are offered by the Indian Institute of Technology Delhi under the aegis of Continuing Education Programme (CEP) so that the Institute can realise its vision of serving as a valuable resource for industry and society, and fulfil its mission to develop human potential to its fullest extent so that intellectually capable and imaginatively gifted leaders can emerge in a range of professions.