



IIT Roorkee



Eckovation

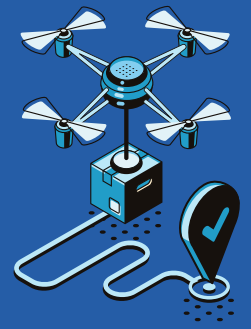
Professional Certification in
**SUPPLY CHAIN MANAGEMENT
& ANALYTICS**
by IIT Roorkee

Duration: 6 Months

96+ hours of content | Study 6 hrs/Week



Supply Chain Sector



The Supply Chain sector is booming and thriving because



The Global Supply Chain Analytics market is expected to reach USD 7.1 billion by 2023



The logistics market in India is forecasted to grow at a CAGR of 10.5% between 2020 and 2025

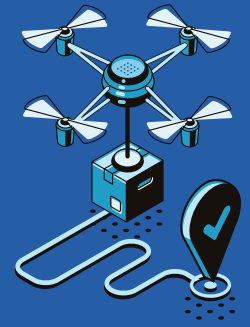


The Supply chain sector currently employs around 22 million people in India



Supply Chain sector created 3 Lakh jobs in 2020 and is the highest hiring sector in India in recent times

Supply Chain Analytics



Supply chains generate massive amounts of data- Big Data to be more specific. The analytical methods used to process the Data collected across the supply chain to improve the overall operational efficiency and effectiveness of the supply chain is referred to as Supply Chain Analytics. Supply Chain Analytics enables management to make data-driven decisions at strategic, operational, and tactical levels. It encircles all the stages in the value chain namely sourcing, manufacturing, distribution, and logistics. In the Supply Chain Management field, there is a great shortage of professionals with process and analytics talents. The jobs that are greatest in demand are Demand Planner, Data Scientist, Supply Planner, and Supply and Operations Planner



NETWORK PLANNING



Vehicle routing

Freight Cost Optimization

Trailer Utilization

INVENTORY MANAGEMENT



Inventory cost Optimization

Optimal Stocking

Stock-out Prediction

SUPPLY CHAIN ANALYTICS

VENDOR MANAGEMENT



Vendor Scorecard

Fault Rate Analysis

KPI Dashboard

Profitability Analysis

SOURCING



Optimized order Allocation

Arrival Time Optimization

Sourcing Cost Analysis

RETURN MANAGEMENT



Returns Tracking

Salvaging Optimization

Cost Recovery Analysis

E - learning Centre, IIT Roorkee

E - Learning Centre (ELC) formerly Educational Technology Cell (ET CELL), a part and parcel of IIT Roorkee is situated near the building of Center for Continuing Education. This cell was primarily conceived to produce high quality Video/Web/Multimedia based instructional material, syllabus based content development for the National Programme on Technology Enhanced Learning (NPTEL) project and short courses/training programmes for faculty for development of video/web based courses. Over the period of time, its role has been expanded to absorb new paradigms of e-learning, training of faculty to develop their own e-content and to use e-content developed by NPTEL, training of faculty from other institutes to facilitate streaming of video and web based lectures in their respective institutes, streaming of video lectures round the clock on demand, at IIT-Roorkee creation of question banks, quality control of e-content generation through feedback mechanism and conducting research related to pedagogies in e-learning. The cell has state-of-the art digital video cameras, non -linear editing systems, audio and video systems, teaching aids, substantial number of computers, servers and softwares required to produce high quality web based and video based courses and 3D-animation.

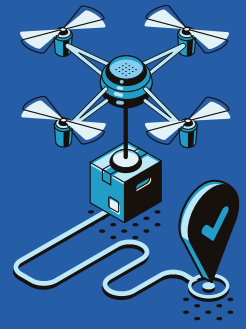
IIT Roorkee

Indian Institute of Technology - Roorkee is among the foremost of institutes of national importance in higher technological education and in engineering, basic and applied research. Since its establishment, the Institute has played a vital role in providing the technical manpower and know-how to the country and in pursuit of research. The Institute ranks amongst the best technological institutions in the world and has contributed to all sectors of technological development. It has also been considered a trend-setter in the area of education and research in the field of science, technology, and engineering.

The Institute had celebrated its Sesquicentennial in October 1996 and now completed more than 170 years of its existence. It was converted to IIT on September 21, 2001 by an Ordinance issued by the Government of India declared it as the nation's seventh Indian Institute of Technology, an "Institution of National Importance



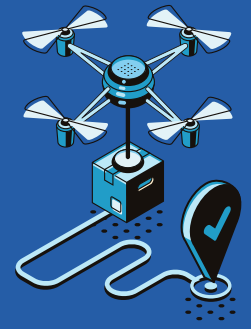
Programme Outline



Supply Chain Analytics transforms supply chain activities from guessing, to ones that makes decision using data. An essential tool in Supply Chain Analytics is using optimization analysis to assist in decision making. According to Deloitte, 79% of organizations with high performing supply chains achieve revenue growth that is significantly above average. We will explore the results of the models and their implications through sensitivity and simulation testing. This course will help you position yourself to improve the decision making of a supply chain by leveraging the power of Python



Program Pedagogy



96+ Hours of Content



6 : Industry Projects



18 : Assignments



8 : Tools and Softwares



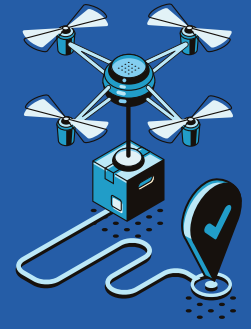
Estimated Time : 6 Months



Commitment Level : 6 Hours/Week



Programme Highlights



Certification by Department of Management Studies & E-Learning Centre, IIT Roorkee

The curriculum offered by Eckovation in collaboration with E-Learning Centre, IIT Roorkee is the most comprehensive curriculum offered on the internet as of 2020



Industry Oriented Learning

Top Experts from IITs and Industry Experts from Zomato, Microsoft, Adobe and Cisco will be providing you personalised guidance



Personalised Mentorship

Eckovation guarantees one-to-one mentorship with Industry Experts from top companies throughout the duration of the course



On Campus Training

Visit IIT Roorkee campus and work on capstone projects under the esteemed guidance of IIT Faculty



Placement Assistance

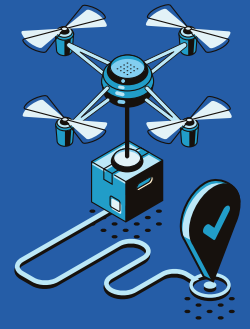
With their technical skills enhanced and their soft skills honed, Eckovation students will have a much better chance of getting placed and hence achieve a better future for themselves



Professional Networking

You will become a member of the ever-growing professional network of Eckovation Learners, from every sector of the industry, IT, Manufacturing, Finance, Logistics, etc. You will build a relationship, trust and reputation with your skills in this program.

Program Curriculum



MODULE -1

Supply Chain Management

MODULE -2

Supply Chain Decision Making

MODULE -3

Basics of Data Analytics

MODULE -4

Applications of Data Analytics in Supply Chain Decisions

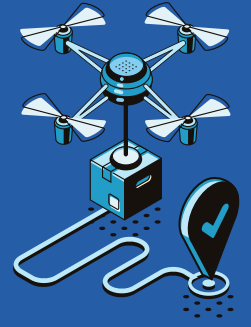
MODULE -5

Module on Uncertainty management

MODULE -6

Module on Route Planning on realtime basis

Enrollment Process



Submit Application

Tell us about your experience, academic qualifications, and a bit more in a detailed form. Don't worry, we've kept it simple.



Interview

A telephonic interview with an industry expert who will gauge your passion and eligibility for the program



Scholarship & Offer Letter

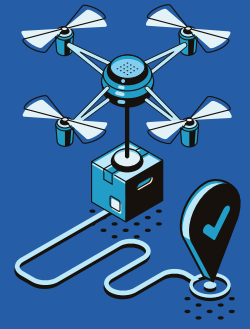
On the basis of your profile and interview, you will get a scholarship. Finally, you will receive an offer letter to join the program if you are selected for the program



Admission

Complete the admission & other formalities within 7 days of registration.

Course Details



Video Lectures with Assessment Tests

Live Video lectures accompanied with assessment tests. Learn concepts through videos and assess your understanding through tests. Course Curriculum designed by online pedagogy experts.

Assignments and Case Studies

Apply the concepts you have learned by working on carefully designed assignments to exercise your problem-solving muscle. Get a flavour of real-world problems through case studies sourced from industry

Projects

Complex real-industry problems demanding a thorough understanding of concepts, mastery over skill and understanding of the business context. Having worked on them would be a big highlight of your resume.

Personalised Mentorship

Top industry experts and IIT graduates would provide you personalised assistance in resolving doubts, working on assignments and a detailed review of your projects.

Learning Community

An online community of peers learning together, learning from each other, ensuring that learning remains the social experience that it ought to be.

Placement Assistance

Once a candidate has built their resume and prepared for their interview as well, they get access to exclusive placement notifications and placement drive

Program Start Date

Please visit our website for more details

Duration

6 Months

Course Fee

INR 199,999 (inclusive of Taxes)
Flexible payment options are available
Confirm your seat with INR 20,000 token amount

Prerequisite

Basic understanding of Operations Management & Programming Basics

Eligibility

Any Undergraduate/ Bachelor's/ Master's degree with more than 50% marks.



COMPANY INFORMATION

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