

NITIE National Institute of Industrial Engineering Mumbai

GLOBAL ONLINE CERTIFICATION COURSE ON SUPPLY CHAIN DIGITIZATION AND MANAGEMENT

END-TO-END SUPPLY CHAIN TRANSFORMATION

In collaboration with

PROF. MANOJ K TIWARI Director, NITIE Mumbai

PROF. DAVID SIMCHI-LEVI

MIT Professor - Business & Supply Chain Analytics Director, Data Science Lab Massachusetts Institute of Technology, USA







Digital transformation, which refers to the use of Data, Analytics, and Automation, has been applied by a few innovative companies, from Apple to Amazon to Dell, to transform their businesses and achieve a significant increase in revenue and profit while decreasing costs. In all these cases, the objective is to apply business analytics to transform the way an organization manages its business, from manufacturing, supply chain, marketing, and revenue optimization all the way to understanding consumer's preferences and innovating new products.

This digital disruption is now motivating many companies in a variety of industries to reinvent their supply chains, from demand and supply planning to production and distribution. NITIE is proud to present the **Global Online Certification Course on Supply Chain Digitization and Management** in association with Prof. David Simchi-Levi (MIT, USA). This course introduces Professor Simchi-Levi's unique framework that combines the three technology trends -Digitization, Analytics, and Automation to reinvent the supply chain.

Participants will gain a deeper understanding of

- (i) Applications of these trends to improve efficiency, profitability, and growth
- (ii) The required processes to improve supply chain visibility, flexibility, and resiliency
- (iii) The appropriate organization and talent change





COURSE OUTCOMES

By the end of this course you would be able to:

Identify opportunities for creating supply chain value using **digitization, analytics, and automation**

> Increased exposure on the digital impact on Supply Chain processes

Drive automation through network and production optimization

Identify organizational vulnerabilities, and **leverage new technological** solutions

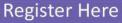
Use **Business Analytics** to better forecast & Lead supply chain digital transformation

Ways to **Modernize** the processes by employing a holistic strategy

Map process ecosystems to better predict & safeguard against disruption of production



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COURSE STRUCTURE

- 16th January 2021 21st March 2021
- 5:30 PM 7:00 PM IST || Saturday Sunday
 20 Sessions (1.5 hours/session)
- Mode of Instruction Live Via Online Platforms
- Majority of Sessions will be conducted by Prof. David Simchi-Levi
- Upon completion of the course, all registered participants will receive a Certificate of Completion from NITIE signed JOINTLY by Prof. David Simchi-Levi & Prof. Manoj K Tiwari







• National Institute of Industrial Engineering (NITIE), established in 1963 by the Government of India with the assistance of United Nations Development Project (UNDP) through the International Labour Organization (ILO), is one of the leading institutes for Management education

• It has proven its excellence by continuously being featured in India's best B-schools list and was ranked 11th in the most recent Business Today Survey

- NITIE, a pioneer in Industrial Management has been positioned 12th amongst management schools in India by National Institutional Ranking Framework (NIRF) in 2020.
- NITIE, widely known as the leading Institute in the area of Supply chain and Operations, holds a purpose in advancing the transformative education and industry inspired research in different domains thus dedicating itself to help Indian businesses to make their presence felt globally
- It has a strong linkage with private and public sectors, national research institutes, other academic institutions, universities, government organizations, and communities
- The institute has decided to act as a driving force not only in the manufacturing sector but all dynamic sectors of the Indian economy
- It has aligned its vision and activities in line with the current and future needs of the Indian industries making them vibrant and influential globally

in NITIE

• Website - www.nitie.ac.in





Global Online Certification Course on Supply Chain Digitization and Management



ABOUT INSTRUCTORS

PROF. DAVID SIMCHI-LEVI MIT Professor - Business & Supply Chain Analytics Director, Data Science Lab Massachusetts Institute of Technology, USA



• Prof. David Simchi-Levi is the most renowned Professor and Thought Leader in the field of Supply Chain Management and also serves as the Editor-in-Chief of Management Science. He is the recipient of the prestigious INFORMS Impact Prize 2020 for his work on Supply Chain Resilience.

• He is the Editor-in-Chief of the INFORMS journal, Management Science, the former Editor-in-Chief of Operations Research, Naval Research Logistics and a member of the board for several scientific journals including Transportation Science and Telecommunication Systems, and a former Area Editor of Transportation for Operations Research.

- His book, "Designing and Managing the Supply Chain" (with P. Kaminsky and E. Simchi-Levi) is a staple across B-schools for their Supply Chain Management courses.
- He has been chosen as the recipient of the prestigious Impact Prize by INFORMS for his research on Supply Chain Resilience that exposed the flaws in supply chain decision making as he continues to work on developing Stress tests for companies to cope with Covid19 disruptions in their supply chains. This publication on the need for stress tests to evaluate supply chain resilience, which has become a reference to many industries, is a gamechanger in the domain of supply chain in the post-covid era.
- He is the founder and chairman of LogicTools which provided software solutions and professional services for supply chain optimization. The company has provided decision support systems to clients such as Caterpillar, ConAgra, Kraft Foods, Mercer Management, Ryder, SC Johnson, UPS, U.S. Postal Service, Walgreens, etc. and was acquired by IBM.
- On August 1, 2020, NITIE had the privilege to host Prof. David for a webinar to share his insights on Supply Chain Resilience (Session link is <u>Here</u>)
- Profile on MIT website <u>https://cee.mit.edu/people_individual/david-simchi-levi/</u>
- LinkedIn Profile <u>https://www.linkedin.com/in/david-simchi-levi-3045026/</u>





PROF. MANOJ K TIWARI Director, NITIE Mumbai



• Prof. Manoj K Tiwari, Director-NITIE, is on lien from his post as Professor, Department of Industrial and Systems Engineering at Indian Institute of Technology, Kharagpur.

• He has been ranked 1 among top 100 individual researchers across the world who had published research articles in International Journal of Production Research (1985-2010), the top leading author for Supply Chain Analytical Techniques (Computer & Industrial Engineering), among Top 20 most productive authors in the area of Production and Operations Management in the last 50 years (Int. Journal of Production Economics, 2009) and rated 2nd among many researchers working in Logistics and Supply Chain Management in India (Analysis of the logistics Research in India-White paper published in TU Dortmund University, Dortmund Germany-2012).

- He is the recipient of "Most Influential Researcher Award" in the domain of Operations and Supply Chain Management.
- His research and teaching interests are in modelling the Manufacturing Processes and Operations analysis in Supply Chain Networks.
- Optimization, Simulation and Computational Intelligence are the main techniques adopted by Prof. Tiwari to automate the decision support system for complex and large-scale problems in Manufacturing and Logistics System.
- LinkedIn Profile <u>https://www.linkedin.com/in/manoj-tiwari-5050a634/</u>
- Profile on NITIE Website <u>https://www.nitie.ac.in/about-director</u>







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COURSE FEES

For Individual Registrations:

Category	Fee Category	Fee Rate (Incl. of all) [*]
Participants from India	Student	INR 3,000/- per participant
	Academician / Faculty	INR 6,000/- per participant
	NITIE Alumni	INR 6,000/- per participant
	Industry Professionals / Others	INR 12,000/- per participant
Foreign Participants	Any	USD 165 per participant
* Convenience Charges may apply.		

For Corporate Group:

- Minimum 15 participants
- Total fees per head are Rs. 8000 (Rs. 6780 + Rs. 1220 (i e. 18% GST))
- Any additional participant above 15 Rs. 8000 (Rs. 6780 + Rs. 1220 (i.e. 18% GST))
- Fee Payment Via Direct Account Transfer
- We will share the account details on confirmation

For Corporate Group Registrations, please reach out to us via mail or phone. We will help you out with the account details and any other queries. Email - digitalscm@nitie.ac.in



Global Online Certification Course on Supply Chain Digitization and Management



DIGITAL SCM 2021 COORDINATING TEAM

For all queries, please email to

digitalscm@nitie.ac.in

Student Coordinators:

Mr. Reshu Agarwal 🕓 +91-7310976632

Mr. Aditya Singh 🕓 +91-7899252944

Faculty Coordinators:

Prof. (Ms.) Sushmita Narayana Prof. (Ms.) Priyanka Verma Prof. Debabrata Das

Support Team

Ms. Priti Bhole Mr. Jyothikrishnan T S Mr. Girish Kumar Ms. Uma Chilukuri



