

News Report: Success Story III

Global Online Certification Course on Data-Driven Supply Chain Transformation 2022

- A lecture series titled “Supply Chain Management” by Prof. David Simchi-Levi, MIT, USA was conducted jointly by I-DAPT Hub Foundation and NITIE, Mumbai.



- IIT (BHU), Varanasi, and NITIE, Mumbai, jointly organized the Global Online Certification Course on 'Data-Driven Supply Chain Transformation 2022' in association with Prof. David Simchi-Levi (MIT, USA) under the leadership of Prof. Manoj K. Tiwari (Director, NITIE Mumbai) and Prof. Pramod Kumar Jain (Director, IIT (BHU) Varanasi), to accelerate the vision of PM Gati Shakti.
- The thirty-hour course was conducted from 16th July 2022 to 21st August 2022 on a weekend, in collaboration with I-DAPT Hub Foundation, IIT (BHU), and CoE Logistics & Supply Chain Management, NITIE, under the mission of PM Gati Shakti Scheme.
- This course was promoted, operationalized, and managed completely in-house by the student teams of both institutes under the supervision of the faculty coordinators of both institutes.

Course Focus comprised of:

- Supply Chain Trends
- Supply Chain Competency
- Machine Learning based technology
- Digital Supply Chain transformation

Course content

Week I

- Introduction and Course Overview
- Customer Value and Operations Strategy
- Controlling the Bullwhip and value of Information

Week II

- Supply Chain Integration: Push-Pull and Complexity Reduction
- Supply Chain Segmentation

Week III

- Using Big Data to Improve Operations
- Applications in Retail, Manufacturing

Week IV

- Supply Chain Resiliency
- Supply Chain Flexibility

Week V

- Inventory Management and Risk Pooling Strategies
- Supply Contracts and Risk-Sharing Strategies

Week VI

- Network Planning and the Green Supply Chain
- IT and Business Processes
- Course Summary

The banner features a network diagram background with several logos: NITIE (National Institute of Technology, India), PM GatiShakti (National Master Plan for Multi-Modal Connectivity), and logos from IIT Bombay, IIT Madras, IIT Kharagpur, and IIT Gandhinagar. The central text reads: **GLOBAL ONLINE CERTIFICATION COURSE ON DATA-DRIVEN SUPPLY CHAIN TRANSFORMATION 2022**

A screenshot of a Zoom meeting grid showing 18 participants. The grid is arranged in 4 rows and 5 columns. The participants are: Row 1: Prof. Manoj K. Tiwari, a man in a blue shirt, a man in a blue shirt, and a man in a blue shirt. Row 2: a man in a dark suit, a woman in a black blazer, a man with a beard, a man in a blue shirt, and a man in a blue shirt. Row 3: a woman in a grey blazer, a man in a dark suit, a woman in a blue top, a man in a purple shirt, and a man in a dark suit (Saurabh Pratap). Row 4: a man in a dark suit, a man in a dark suit, Rosalin Sahoo, and a man in a dark suit.

