



**NITIE**  
National Institute of  
Industrial Engineering  
Mumbai - India

Global Online Certification Course on

# BUSINESS AND OPERATIONS ANALYTICS



## COURSE INSTRUCTORS



**Prof. David Simchi-Levi**

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



**Prof. Manoj K Tiwari**

Director, NITIE Mumbai

## COURSE REPORT

# ABOUT NITIE



## RANKINGS

12

NIRF Rankings 2020:  
Top Management institutes  
in India

12

Business Today's India's  
Best B-Schools  
Survey 2020 Ranking

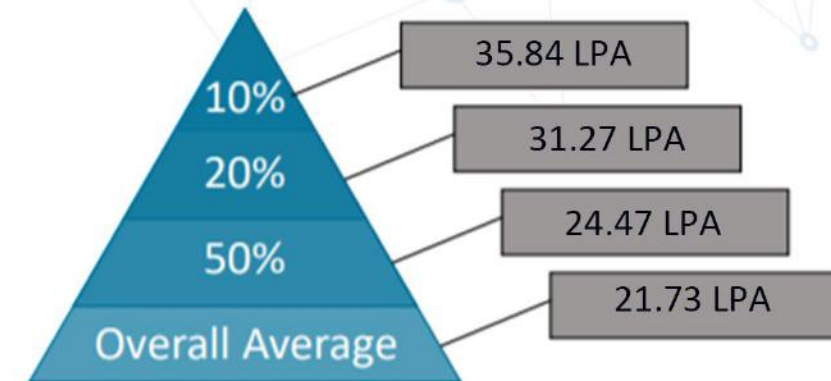
- National Institute of Industrial Engineering (NITIE), established in **1963** by the Government of India, is one of the leading institutes for Management Education

- NITIE is widely known as the **leading Institute in the area of Supply chain** and Operations and it 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

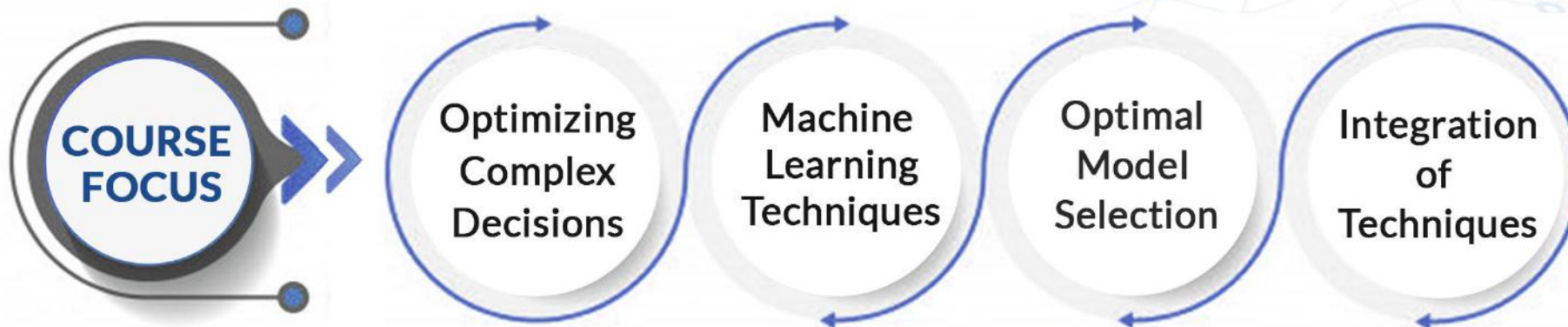
- NITIE has a **strong linkage** with private and public sectors, national research institutes, other academic institutions, universities, government organizations, and communities



## AVERAGE SALARY (INR)



# ABOUT COURSE



**3<sup>RD</sup> JUL '21 - 5<sup>TH</sup> SEP '21**  
(SATURDAY & SUNDAY)



**30 HOURS**  
20 LECTURES OF 1.5 HOURS

Develop critical thinking about data and the analyses

Learn basic analytics methods & analyse organizational case studies

Identify, evaluate & capture business analytics opportunities

Estimate the value created using business analytics

# ABOUT COURSE INSTRUCTORS



**PROF. DAVID SIMCHI-LEVI**

MIT Professor, Business & Supply Chain Analytics  
Director, Data Science Lab, MIT, USA

- Most renowned Professor & Thought Leader in the field of Supply Chain and Operations Management
- Editor-in-Chief of the INFORMS journal, Management Science, the former Editor-in-Chief of Operations Research
- Recipient of the prestigious INFORMS Impact Prize 2020 for his work on Supply Chain Resilience



**PROF. MANOJ K. TIWARI**

Director, NITIE Mumbai

- Stalwart in the O&SCM and Industrial Engineering domain with over 300 publications in international journals
- Recipient of "Most Influential Researcher Award" in the domain of Operations & Supply Chain Management
- Rated 2nd among many researchers working in Logistics and Supply Chain Management in India

# COURSE EXECUTION

## END-TO-END PROCESS WAS DEVELOPED AND EXECUTED INHOUSE

- Several creative marketing initiatives were undertaken starting one month before the Launch Date.
  - Digital Marketing
  - Student Ambassador Program
  - Peer to peer publicity
- Registration – Through NITIE's website
- Course Coordination – Led by Prof. Manoj Tiwari - Director, NITIE and supported by a team of 3 Faculty Coordinators and Student Coordinators
- Platform for Lectures – WebEx
- Every week, 2500+ participants attended live lectures.

## STUDENT AMBASSADOR PROGRAM OUTREACH



202  
Applied



41,141  
Views

## ANALYTICS 2021 WEB PORTAL

[Home](#) [About Institute](#) [Programs](#) [Faculty & Research](#) [SRIC](#) [International Relation](#) [Placements](#) [Alumni](#) [Student Activity](#) [NIRF](#) [News & Events](#)

### Analytics 2021

[Home](#) > [Analytics 2021](#)

Global Online Certification Course on **Business and Operations Analytics**

Registrations Closed

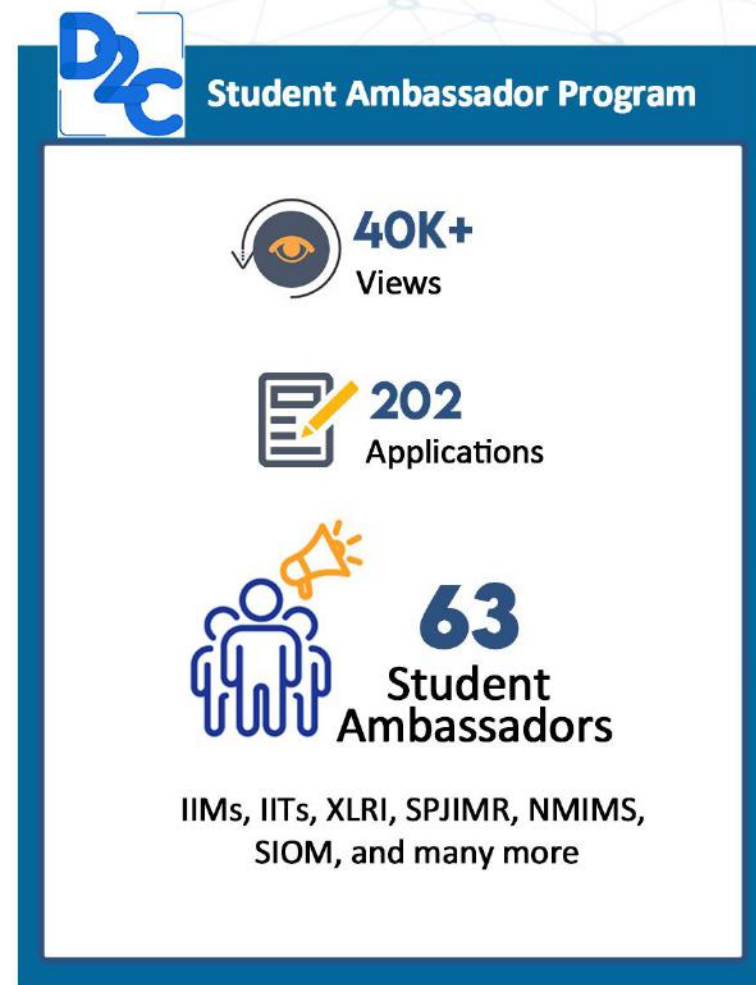
[Download Brochure](#)

[Course Supplementary Material](#)

Registration Last Date: 25<sup>th</sup> June 2021

Duration: 3<sup>rd</sup> July '21 – 5<sup>th</sup> September '21 (5:00 PM – 6:30 PM IST | Saturday & Sunday)

# OUTREACH



We are grateful to everyone for such an overwhelming response to this course!

# STATISTICS

**3000**  
Participants

**17**  
Countries

**350+**  
Organizations

**700+**  
Professionals



Canada | China | Dubai | India | Indonesia | Malaysia | Mexico | Myanmar | Qatar  
Scotland | Singapore | South Korea | Sweden | Taiwan | UAE | UK | USA

# PARTICIPATION

## Educational Institutions



## Corporates





# COURSE STATS

**20**  
LECTURES

**30**  
HOURS

**6**  
QUIZZES

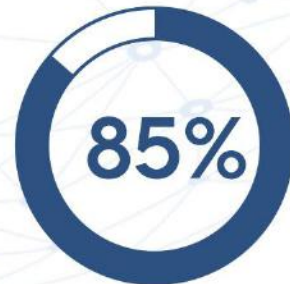
EXTENT AND DEPTH OF  
TOPICS COVERED



COURSE  
MANAGEMENT BY NITIE



PEOPLE WILLING  
TO ATTEND FUTURE  
COURSES BY NITIE



ATTENDANCE  
ACROSS ALL  
LECTURES

RELEVANCE OF  
SUPPLEMENTARY MATERIALS



APPLICATION OF  
CONCEPT LEARNT



# COURSE FEEDBACKS

”

I like the approach of Prof. David Simchi - Levi , how they approached from simple basic problems and then built on them to go to little complex and explained how it go to super complex problems of real life. This was very important, given the diversity of Participants which also included students. Also Kudos to NITIE Director Prof. Manoj Tiwari and his organizing team for making this possible.

”

**MR. SANDEEP PRATAP**  
Lead - RM Procurement - Asia & India  
UPL Limited

”

The structure, commitment of NITIE and the passion. The team did a tremendous job to stay on top of things. Coordinating a global event with 2500+ students and ensuring a seamless event for 10 weekends is easier said than done. Kudos to the team!!

”

**MR. VENKATESWARA DUGGIRALA**  
Senior Director - Supply Chain as a Service  
Tata USA

”

Now I have an idea what Business Analytics is about. The course was interesting and was nicely explained. I liked the quiz very much. It was very interesting and was giving an opportunity to look back at what we have learnt and improving the confidence level. I missed the first quiz as initially Saturday 12pm time was set. I am very happy that you changed the closing time of quiz. Quiz is for learning purpose. I liked the way you had initially fixed the time limit and later opened it for completion.

”

**MS. RADHA GOPINATH**

Principal Project Engineer

CRIS

”

I am a medical graduate. I have applied some basic techniques of operations management through my career in some of my job responsibilities by self learning mode. This course was a great great help. Prof. David Simchi-Levi made the learning journey of a difficult subject appear rather simple. It provided clear understanding about the fundamentals of OR & operations analytics for me. I like the applied learning with use of case studies & simulation using Excel; the overall teaching methodology, delivery style & pace, pausing after every concept to answer each & every question of participants to their satisfaction. true & engaging learning. I did not feel disconnected at any time being a non engineer, although I was slow on my assignments. Thank you NITIE team for this wonderful learning & qualification!!! Excellent reading resources.

On the lighter side, I can now have meaningful conversations on engineering areas with my spouse who is a NITIE alum himself.

”

**DR. RAGINI NARENDRA MOHANTY**

VP Emerging Technologies and ERP, Professor

S. P. Mandali's Prin L N Welingkar  
Institute of Management Development and Research

”

Indeed the course has been structured as per my expectation and felt it very relevant to the industrial use. Prescriptive and predictive analytics practically demonstrated and interpreted with the data from used case of high value companies was the most exciting to me.

**ALOK KUMAR SINGH**

Student  
NIT Calicut

”

Prof. David is very knowledgeable, he can answer all questions raised very well. I also like how NITIE organized the webinar, they are very organized and attentive.

”

**ELIZA ARANETA**

Senior Tactical Planner, Micron Semiconductor Asia

”

Professor David taking his time to explain the concepts supported by examples and then taking frequent breaks in between to check if participants have understood or any clarification was required.

”

**MR. SANDEEP KUMAR MISHRA**

General Manager  
Jio Platforms Limited

# INAUGURAL SESSION

## GLOBAL ONLINE CERTIFICATION COURSE ON BUSINESS AND OPERATIONS ANALYTICS

### CHIEF GUESTS



**Dr. Ajay Kumar IAS**

Defence Secretary,  
Government of India



**Mr. Sanat Chattopadhyay**

President, Merck



**Mr. Shashi Kiran Shetty**

Chairman BoG, NITIE  
Chairman, Allcargo Logistics

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Engineering, Mumbai

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View Audio & Video Participant Event Help

Mohit Gupta Me

David Simchi-Levi [↑]

Ashish Omar

Debabrata Das

Business Analytics

Viewing David Simchi-Levi's ...

Lecture 13 1

## Lecture 13

- Data Mining
  - ☑ Linear Regression
  - ☑ Logistic Regression
  - ☑ Classification and Regression Tress
  - ☑ k-Nearest Neighbor

Business Analytics

Lecture 13 1

## Lecture 13

- Data Mining
  - ☑ Linear Regression
  - ☑ Logistic Regression
  - ☑ Classification and Regression Tress
  - ☑ k-Nearest Neighbor

David Simchi-Levi

David Simchi-Levi

**SNAPSHOT FROM LIVE LECTURE**

# LECTURE 19: INDUSTRY CASE PRESENTATION

A grid of 16 video conference windows. The top row contains four windows: Priti Bhole (Me), Jyothikrishnan T S, Business and Operatio... (Host), and David Simchi-Levi. The second row contains four windows: Deepjyoti Chakraborty, PKS Prakash, Debabrata Das, and Dheeraj Kumar. The third row contains four windows: Mohit Gupta, Priyanka Verma, Rosalin Sahoo, and sawyasachi awasthi. The bottom row contains two windows: Sushmita Narayana (NITI... and Prof. Manoj K Tiwari. Each window shows a participant's video feed and a name label at the bottom.

Priti Bhole (Me)	Jyothikrishnan T S	Business and Operatio... (Host)	David Simchi-Levi
Deepjyoti Chakraborty	PKS Prakash	Debabrata Das	Dheeraj Kumar
Mohit Gupta	Priyanka Verma	Rosalin Sahoo	sawyasachi awasthi
Sushmita Narayana (NITI...)	Prof. Manoj K Tiwari		





NATIONAL INSTITUTE OF INDUSTRIAL ENGINEERING (NITIE), MUMBAI - INDIA

WE WELCOME YOU ALL TO THE CLOSING CEREMONY OF

GLOBAL ONLINE CERTIFICATION COURSE ON

# BUSINESS AND OPERATIONS ANALYTICS

## CHIEF GUEST



**SHRI AMIT KHARE IAS**

Secretary, Ministry of Education,  
Government of India

## KEY NOTE ADDRESS



**PROF. SRINIVASAN G**

Professor,  
IIT Madras



**PROF. DAMODAR ACHARYA**

Former Director,  
IIT Kharagpur



**MR. DIWAKAR SINGHAL**

Global Business Leader,  
Genpact

## COURSE INSTRUCTORS



**PROF. DAVID SIMCHI-LEVI**

Business & Supply Chain Analytics,  
Director, Data Science Lab,  
MIT, USA



**PROF. MANOJ K. TIWARI**

Director,  
NITIE Mumbai

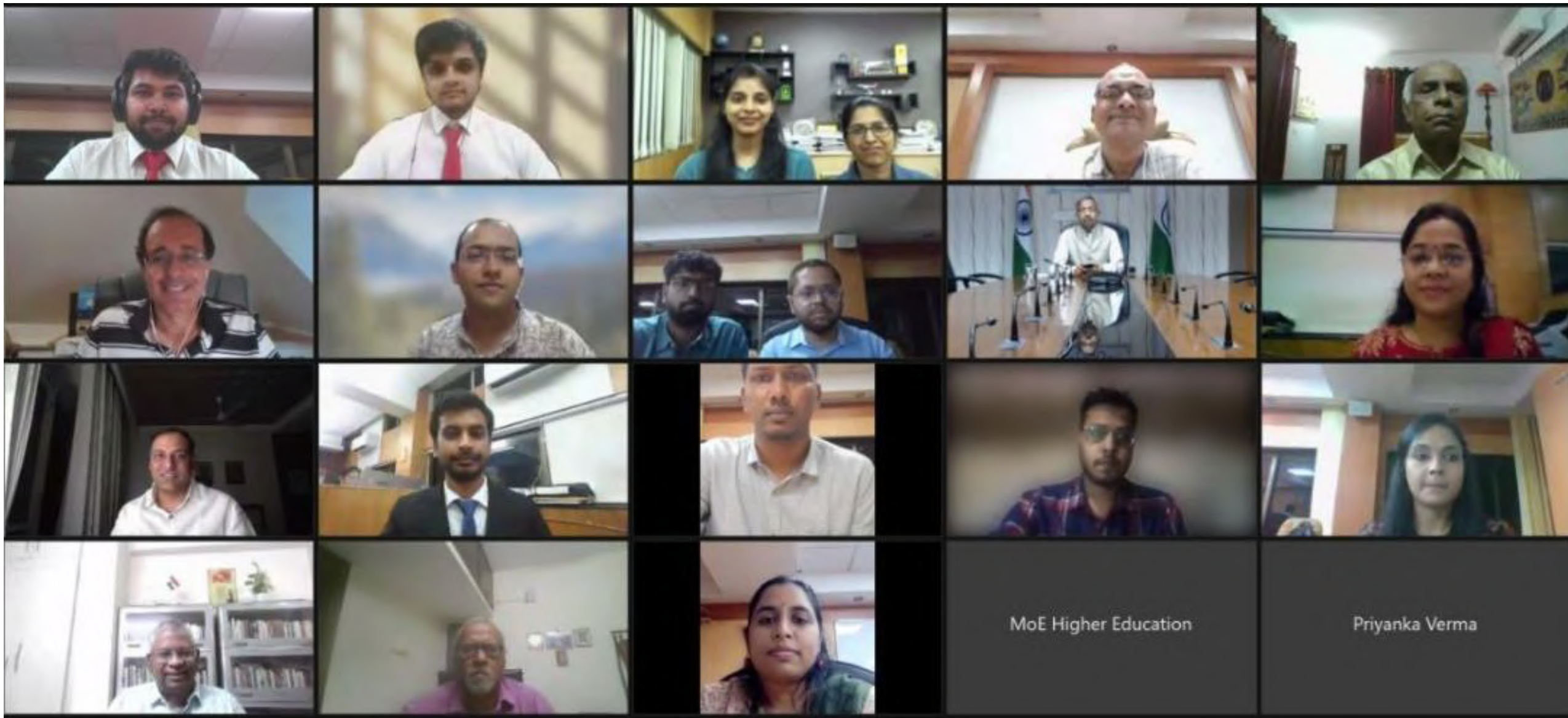
**SEP 5, 2021 | 5:30 PM IST**

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COUNTRIES**



MoE Higher Education

Priyanka Verma

## FACULTY COORDINATORS



**PROF. (MS.) PRIYANKA VERMA**

**Assistant Professor  
Operations & Supply Chain Management**



**PROF. (MS.) SUSHMITA NARAYANA**

**Assistant Professor  
Operations & Supply Chain Management**



**PROF. DEBABRATA DAS**

**Assistant Professor  
Analytics and Data Science**

## STUDENT COORDINATORS



**MS. PRITI BHOLE**

PGDIM 2020-22



**MR. JYOTHIKRISHNAN**

PGDIM 2020-22



**MR. MOHIT GUPTA**

PGDIE 2020-22

## FELLOWS TEAM



MR. DHEERAJ KUMAR



MR. SAWYASACHI AWASTHI



MR. ASHISH OMAR



MR. VISHWAS DOHALE



MS. ROSALIN SAHOO

**THANK YOU!**



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