



**NATIONAL INSTITUTE OF INDUSTRIAL ENGINEERING (NITIE)  
MUMBAI**

(An autonomous body under the Ministry of HRD, Govt. of India)

**Presents**

**Online MDP**

on

# **Application of AI/ML in Operations & Supply Chain Management**

**Duration:** 3 weekends (Saturday and Sunday)

5 Hours/Weekend (Total 15 hours)

27 Feb 2021 – 14 Mar 2021

**Participants:** Professionals involved in Operations & Supply Chain Management

**Registration and Payment Link: [Click Here](#)**

Please input following details in the Payment Link and then make payment:

Payment Category: NITIE Participants Fee

Name of Programme: Online MDP on AI/ML in SCM

Reference Code: 121415

Programme Fees: Rs. 9,027 (inclusive of taxes)

Registration will be confirmed on receipt of payment amount.

## About the Programme

- This programme aims to acclimatize the participants with the fundamental concepts of Artificial Intelligences/Machine Learning (AI/ML) for decision making in operations and supply chain management. The problems in operation and supply chain management that require AI/ML approaches include forecasting, inventory management, facility location, product classifications, vehicle routing, etc.
- The course is designed keeping in mind the various techno-managerial aspects that need to be addressed by the participants. NITIE faculty have been working on different domains of applications of statistics, operations research, artificial intelligence and machine learning and are actively involved in consulting and applied research projects in the area of operations and supply chain management. The program is designed as the effective blend for application orientation with plenty of hand-on case exercises.

## Programme Objectives

Upon successful completion of this program, participants

- will be familiarized with the concepts of AI and ML.
- will be able to formulate, solve and analyze complex operations and supply chain management problems systematically.
- will be able to apply various AI and ML tools in real life decision making, specifically in the context of operations and supply chain management.
- will learn coding and solving the operations and supply chain management problems in Python/R.

## Topics to be covered

This training program is designed for web-based learning with hands-on exercises. The topics covered include the following:

- Opportunities for AI/ML applications in operations and supply chain management
- Supervised Learning Algorithm
  - Linear Regression Analysis
  - Logistic Regression Analysis
  - Decision Tree
  - Random Forest
- Unsupervised Learning Algorithm
  - k-Means Clustering
  - Hierarchical Clustering
- Reinforcement Learning Algorithm
  - Markov Decision Problems
- Application of AI and ML tools in operations and supply chain management.

## Course coordinators



Prof. Sushmita A. Narayana



Prof. Priyanka Verma



Prof. Debabrata Das

### For Further Details Contact

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