NATIONAL INSTITUTE OF INDUSTRIALENGINEERING (NITIE) MUMBAI

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

Presents

Online MDP
on
Application of AI/ML in Operations & Supply Chain Management

Duration: 2 weekends (Saturday and Sunday)
7.5 Hours/Weekend (Total 15 hours)
21 Aug 2021 – 29 Aug 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: 122210
Programme Fees: Rs. 8,260 per person (inclusive all)
          10% Group Discounts (3-5 participants from same organization).

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

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