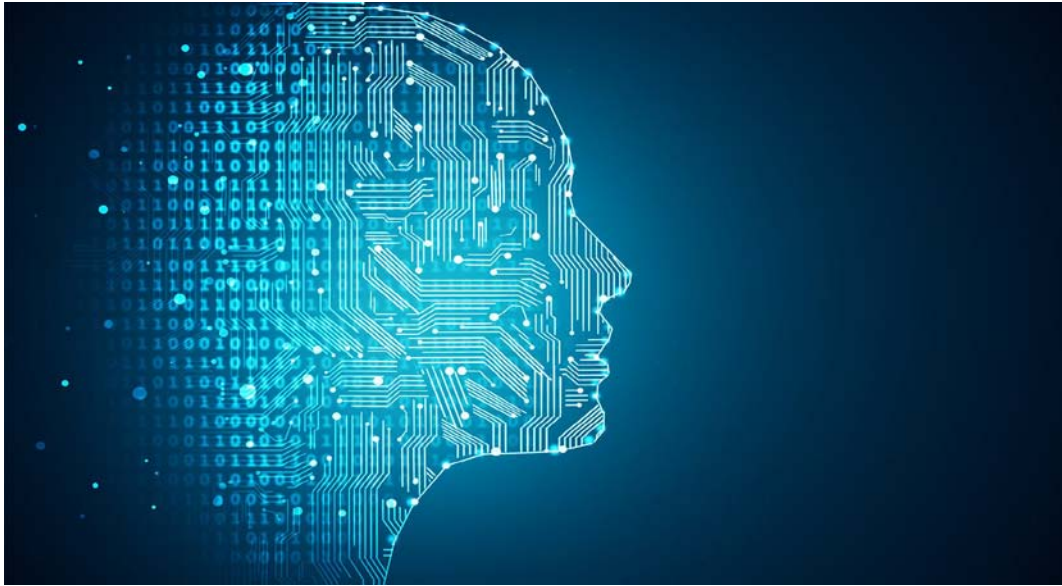




**NATIONAL PRODUCTIVITY COUNCIL**  
**(Under DPIIT, Ministry of Commerce & Industry, Govt. of India)**



**3 Days Workshop on “Machine Learning & its Application in Engineering Field”**

**Expert Speaker (Name/ Designation) –**

**Mr Krunal Kalbende (CEO Cojag Smart Technology PVT. LTD & Founder of Aotom Technologies)**

**Date & Time:**

**Friday, 07 May, 2021 (11:00 AM to 01:00 PM)**

**Saturday, 08 May, 2021 (11:00 AM to 01:00 PM)**

**Sunday, 09 May, 2021 (11:00 AM to 01:00 PM)**

**Participation Fee: Rs 999/- (Including GST)**

**Workshop Coverage:**

**Day 1: Basic Introduction to Machine Learning and AI (2 Hours)**

- a) Basics of Machine Learning and Python
- b) Supervised Learning
- c) Support Vector Machines
- d) Unsupervised Learning

## **Day 2: Application of Machine Learning in Industry 4.0 (2 Hours)**

a) Module 1: Introduction to Industry 4.0

b) Module 2: Road to Industry 4.0

c) Some theory prospect

Convolutional Neural Networks (CNN), CNN History, Understanding CNNs, CNN Application, Recurrent Neural Networks (RNN), Intro to RNN Model, Long Short-Term memory (LSTM)[www.cojagtech.com](http://www.cojagtech.com)

Recursive Neural Tensor, Network Theory, Recurrent Neural Network Model, Unsupervised Learning, Applications of Unsupervised Learning, Restricted Boltzmann Machine, Collaborative Filtering with RBM

## **Day 3: Hands-on on Machine Learning Problem Statements (2 Hours)**

a) Application of Machine learning on Transportation Industry (Hands on case study)

b) Application of Machine learning in Face and Mask Detection (Hands on practical)

c) Application of Machine learning on Data Science and predictive Analytics (Hands on)

### **Speaker Profile (Brief One Para & Photograph):-**



Krunal has proven performance in leading a profitable technology development business from start-up to its development. In addition to serving in management and technical positions for several technology ventures – those he started as well as others ‘ventures – He has offered professional consulting services in IoT, Industry 4.0, Geophysical services, AI technology, project management, strategic planning, effective teamwork, Web application development, and relational database application development to start-ups and large enterprises.

Throughout his professional career, He has managed technology development projects based on the practices of repeatable processes, success metrics, consensus, collaborative process management, and high-performance teamwork with the goal of superior accountability to requirements, schedule and budget.

Mr. Krunal has also served as a technical consultant in Ordnance factory, RSN Mines and Minerals, Master Geotech, NMC, Cyber Cell, KJV Alloy, and 100+

industries. He has expertise in cost reduction, AI intelligence building and quality supply-chain management. He usually takes corporate seminars and lectures on emerging technologies which are linked with deep learning, computer vision, Data Science, Data Analytics, AI, smart dust, IoT, Industry 4.0, mechatronics, augmented reality, mixed reality, quality management, cyber security etc.

Kindly Register via link: [bit.ly/npctr4](https://bit.ly/npctr4)

For any query kindly contact:

**Ms. Pragati Jain**

**TM & Training Group**

**[training@npcindia.gov.in](mailto:training@npcindia.gov.in), 9899972617**