Machine Learning in Vision and IoT (MLVI - 2021)
22nd January, 2021 – 26th January, 2021

Objective:

In the current era, data is being generated at an unprecedented high rate. Proper analysis of this data can help in predicting business trends, early diagnosis of deadly diseases, timely prediction of catastrophic events etc. Machine learning addresses the problem of discovering patterns from the data and improving the decision making process. The workshop is mainly focused to understand the techniques of ML and deploy them in various application domains. This workshop provides a platform to help learn and develop new machine learning techniques for creating, deploying, analyzing the domain specific applications.

Course Contents:

- Computer Vision Applications
- Machine Learning and Deep Learning Techniques
- Reinforcement Learning and Transfer Learning
- ML based Image/Video Retrieval, Video Surveillance
- Smart Applications design
- Machine Learning in IoT

Registration Deadline: 15/01/2021

For registration, please visit
https://forms.gle/DaBswp4P2Umv7vHE9

Registration Fee:

The workshop will be free of cost and conducted in online mode

Course Coordinators:

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  MNNIT Allahabad
- Dr. Shashwati Banerjea,
  Assistant Professor, CSED,
  MNNIT Allahabad

Contact (Student Coordinators):

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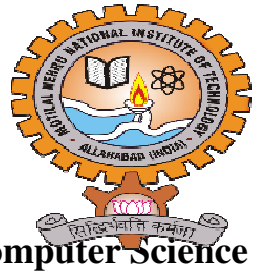

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Tentative Programme Schedule

Session	Lectures	Time	Topic
Day-1			
Session-1	Lecture 1	10:00 AM – 11:30 AM	Introduction to IoT
Session-2	Lecture 2	11:45 AM – 01:15 PM	Machine Learning (ML) Techniques Part -1
Day-2			
Session-1	Lecture 3	10:00 AM – 11:30 AM	Introduction to Computer Vision
Session-2	Lecture 4	11:45 AM – 01:15 PM	Machine Learning (ML) Techniques Part-2
Day-3			
Session-1	Lecture 5	10:00 AM – 11:30 AM	Deep Learning (DL) Techniques
Session-2	Lecture 6	11:45 AM – 01:15 PM	Hands-on training session-1
Day-4			
Session-1	Lecture 7	10:00 AM – 11:30 AM	Machine Learning (ML) in IoT
Session-2	Lecture 8	11:45 AM – 01:15 PM	Hands-on training session-2
Day-5			
Session-1	Lecture 9	02:00 PM – 03:30 PM	Reinforcement Learning and Transfer Learning
Session-2	Lecture10	03:45 PM – 05:00 PM	Closing ceremony followed by feedback collection and certificate distribution