Artificial Intelligence in Vision and IoT

(AIVI - 2021)

16th April, 2021 – 20th April, 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. Artificial Intelligence techniques addresses these problems of discovering patterns from the data and improving the decision making process. The workshop is mainly focused to understand the techniques of AI 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

- Brief Introduction on Computer Vision Applications
- Artificial Intelligence Techniques
- Natural Language Processing
- Reinforcement Learning and Transfer Learning
- AI, ML in Video Surveillance
- Introduction on IoT
- Smart Applications design
- AI in IoT

Course Coordinators

- Dr. Shashwati Banerjea, Assistant Professor, CSED, MNNIT Allahabad
- Dr. Rajitha Bakthula, Assistant Professor, CSED, MNNIT Allahabad
- Prof. D.S. Kushwaha, Professor, CSED, MNNIT Allahabad

Registration Deadline: 09/04/2021

For registration, please visit link:
https://forms.gle/Jekst7YHFsKWdaK97

Registration Fee

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

Contact (Student Coordinators)

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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	Artificial Intelligence 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	Artificial Intelligence Techniques Part-2
Day-3			
Session-1	Lecture 5	10:00 AM – 11:30 AM	AI in Video Surveillance
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	AI and ML in IoT
Session-2	Lecture 8	11:45 AM – 01:15 PM	Hands-on training session-2
Day-5			
Session-1	Lecture 9	10:00 AM – 11:30 AM	Reinforcement Learning and Transfer Learning
Session-2	Lecture10	11:45 AM – 01:15 PM	Closing ceremony followed by feedback collection and certificate distribution