About the workshop:
In recent years, AI has made dramatic changes in various domains and businesses. This workshop would be a platform for the participants to get an insight into the usage and applications of AI as in Healthcare, Transport, and Text Analytic. For example, participants will be able to understand how AI is making healthcare more affordable, accurate, fast, and assist all stakeholders in much better ways using techniques like classification, clustering, and so on. AI can be used to model urban mobility, installation of e-chargers for electric vehicles and their optimization. Similarly, AI can be used to detect hate-speech, mental depression, fake-news from social media channels like facebook, twitter. Indian Workshop on Applications of AI (iWAI 2021) is a 6 days workshop that aims towards training the participants to acquire research and technical skills in the field of Artificial Intelligence (AI).

About CSE Department:
The Department of Computer Science and Engineering (CSE) was set up in July 2009. It is one of the Departments under the School of Engineering and offers Bachelor of Technology (BTech) and Doctor of Philosophy (PhD) programs. The Department adopts a modern approach to teaching wherein students are rendered in adequate academic freedom to innovate and learn in the process. State of the art facilities including the latest software and advanced hardware are available in various laboratories for the use in both teaching and research.

Topics to be Covered:
ML perceptron mode, Back Propagation, RNN, LSTM and CNN, Machine learning by using python, Neural networks, NLP and Deep learning, ML for signal processing, Computer vision, data cleaning and data visualization, Reinforcement learning, Application of ML in Electronics, ML for Data Science, Use of ML in additive manufacturing, Quantum Support Vector Machines, Quantum Neural Network and Kernel Techniques, Introduction to Artificial Intelligence (AI), Current Development in AI, AI and Health Care, AI and Transportation, Introduction to Text Analytics, Application of Text Analytics.

Target Participants: Faculty members (AICTE approved college/Institutes), Faculty members (Other Institutes), Scientist, Researchers, Industries personnel.

Why should you attend?
- To know the latest trends in AI research
- To understand the applications of AI in various domains

Registration Process: Interested participants need to submit an online registration form on given link/QR Code: https://forms.gle/DZyiQhAxNV4sEmKKA

Resource Persons:
Dr. Aruna Tiwari, IIT Indore
Dr. M. Tanveer, IIT Indore
Dr. Kapil Ahuja, IIT Indore
Dr. Nagendra Kumar, IIT Indore
Dr. M. Arshad, IIT Indore
Dr. Chandresh Kumar, IIT Indore
Dr. Ranveer Singh, IIT Indore
Dr. Anupama Nayak, Samsung R&D
Dr. Chandresh Kumar, Assistant Professor, CSE , IIT Indore
Dr. Nagendra Kumar, Assistant Professor, CSE , IIT Indore

Mail your queries to: chandresh@iiti.ac.in, nagendra@iiti.ac.in (m): +91-7975642427 (WhatsApp only, unless not urgent)

Registration Fees:
- No registration fees for AICTE approved Institutes faculties/students (100 on first-cum-first or by 5 nominations by HoD/supervisor)
- Registration fees for other participants: Rs 5000 for Industry Personnel, Rs 3000 for faculty/scientist from other collages, Rs 1000 (For students UG, PG, Ph.D. from other than IIT Indore).
- You should send/E-mail the Payment receipt to the Course Coordinator
- Online Mode of Payment: http://www.iiti.ac.in/page/e-payments, E Payments ➔ Pay Through HDFC for other Payments ➔ Select Registration Fees for Event and Proceed accordingly
- OR Directly transfer in following account and Email the proof of payments to the course coordinators

Beneficiary Name: Registrar IIT Indore
Bank Name: Canara Bank
Branch: IIT Indore, Khandwa Road Simrol, Simrol, Indore 453552
Account Number: 1476101027440
IFSC Code: CNRB0006223
SWIFT Code/BIC: CNRBINBBISG

Last date of receipt of registration form: 18th March 2021
Date of Notification of Acceptance: 18th March 2021

Course Coordinators
Dr. Chandresh Kumar, Assistant Professor, CSE, IIT Indore.
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