

# Department of Computer Science & Engineering Indian Institute of Technology (IIT) Indore, 453552



## Organizing “1<sup>st</sup> Indian Workshop on Artificial Intelligence” (iWAI 2021) During 19<sup>th</sup> to 25<sup>th</sup> March 2021



### Under Quality Improvement Program (QIP), AICTE

#### **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/DZyjQhAxNV4sEmKKA>

#### **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 Ray, IBM Research India  
Dr. Hemant Aggarwal, University of Iowa  
Dr. Shitlala Prasad, A\* Star, Singapore  
Dr. Rajiv Ratn Shah, IIIT Delhi  
Dr. Asif Iqbal, IIT Patna,  
Dr. Shekhar Nayak, Samsung R&D



**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/Email the Payment receipt to the Course Coordinator

Online Mode of Payment: <http://www.iiti.ac.in/page/e-payments>, E Payments→4. 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: 18<sup>th</sup> March 2021**

**Date of Notification of Acceptance: 18<sup>th</sup> March 2021**

#### **Course Coordinators**

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

Dr. Nagendra Kumar, Assistant Professor, CSE , IIT Indore

Mail your queries to: [chandresh@iiti.ac.in](mailto:chandresh@iiti.ac.in), [nagendra@iiti.ac.in](mailto:nagendra@iiti.ac.in)

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