

## **Special Session: “Artificial Intelligence and Machine Learning: Emerging trends and applications”**

Description: The main focus of this special track is on emerging trends and technologies associated with artificial intelligence and machine learning and their application in order to provide efficient solutions to real-world problems. This session aims to bring together leading academicians, researchers, scientists and industrialists to exchange as well as share their experiences and research results.

### **Topics of interest (but not limited to):**

- Machine learning and Deep learning for data analysis
- Computer vision
- Knowledge-based paradigms
- Autonomous multi-agent systems
- Internet of Healthcare Things (IoHT)
- Internet of Drone Things (IoDT)
- Smart agriculture
- Impact of Artificial Intelligence on agriculture domain
- Intelligent Transportation Systems
- Smart city and home automation
- Advanced intelligent robotics
- Natural language processing
- Artificial Intelligent based Recommender system
- Privacy and security in social media
- Social network analysis

### **Session Chairs:**

#### **Dr. Megha**

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**Dr. Megha** is an Assistant Professor (Senior Grade) in the School of Computing, DIT University, Dehradun, India. She has received her ME and Ph.D. degrees from Thapar University, Punjab, India. She has 4 years of research experience as Junior Research Fellow and Senior Research Fellow under University Grants Commission (UGC), New Delhi, Government of India. She was awarded with a fellowship by UGC, Government of India, in 2014. In 2017, she was a recipient of Grace Hopper Celebration India (GHCI) fellowship. She has filed 4 national patents and 1 international patent has been granted. She has published many research articles in international journals and conferences of repute. Further, she is the editor of many edited books with different publishers such as CRC Press, Taylor & Francis Group, Wiley-

Scrivener and Bentham Science. Her research interests include Artificial Intelligence, Knowledge representation, Expert systems, Software quality, Software reuse, and ontologies. She is also the reviewer and editorial board member of many international journals.

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**Dr. Ashok Kumar** is currently an Assistant Professor in Chitkara University Institute of Engineering & Technology, Chitkara University, Punjab, India. He holds a PhD in Computer Science and Engineering from Thapar University, Punjab, India. He also worked as a project fellow in a UGC funded project during his stay at Thapar University. He has 15+ years of teaching and research experience. He has filed 3 patents and published many articles in International Journals and Conferences of repute. Further, he is the editor of many edited books with different publishers such as CRC Press, Taylor & Francis Group, Wiley-Scrivener and Bentham Science. His current areas of research interest include Cloud Computing, Internet of Things, and Mist Computing. His teaching interests include Python, Haskell, Java, C/C++, Advanced Data structures and Data mining.