



2 Weeks Online FDP on

ARTIFICIAL INTELLIGENCE & AMBIENT INTELLIGENCE

(PHASE 1)

Organized by
School of Computing Sciences
&
**Machine Intelligence and
Data Analytics Research Centre**

25th January 2021 to 6th February 2021

Sponsored by:
**All India Council for
Technical Education**

About the FDP

Ambient Intelligence (Aml) is a recent paradigm emerging from Artificial Intelligence (AI), where computers are used as proactive tools assisting people with their day-to-day activities, making everyone's life more comfortable. The ambient intelligence paradigm builds upon pervasive computing, ubiquitous computing, profiling, context awareness, and human-centric computer interaction design. FDP on "**Artificial Intelligence and Ambient Intelligence**" aims to train faculties for exploring research opportunities and carry out innovative interpretations in the field of Artificial Intelligence and Ambient Intelligence. The FDP is open to academic and Industry representatives and will cover topics like Sensors, Vision, Mobile and Pervasive Computing, Human-centered Interfaces, Robotics, Multi-agents, Societal Applications & Implications and Internet of Things (IoT).

ARTIFICIAL INTELLIGENCE

- Supervised Learning
- Unsupervised Learning
- Reinforcement Learning
- Search Techniques
- Knowledge Representation
- Neural Networks and Deep Learning
- Natural Language Processing
- Fuzzy Logic and its Applications
- Machine Learning and Artificial Intelligence Libraries

Topics Covered

AMBIENT INTELLIGENCE

- Intelligence methods applied to IoT
- Understand how Robotics is applied to smart environments
- Use Robotic arm and demonstrate sequence of motions
- Learn about advances in pervasive systems and infrastructures; and data engineering for pervasive computing
- Understand Mobile Edge/Fog Computing and Networking
- Understands Wearable Computing and its applications
- Get knowledge in measurement of mobile systems and applications
- Discover and apply knowledge on modelling and algorithm design for mobile systems
- Motivate students to get exposure to Ambient Intelligence



**Contact Person:
Coordinator**

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Certification:

- A test will be conducted at the end of the program
- Certificates will be issued to those participants who have a minimum 80% attendance and scored minimum 60% marks in the test



No Registration Fee

Registration to be done on or before 21/01/2021

Confirmation of participation will be sent through email on or before 23/01/2021

For Registration

<https://cutt.ly/ghVxTJT>

List of Speakers



Mr Sunil David

Regional Director - IOT
(India and ASEAN region) AT&T, Chennai



Dr Krishna Pratap Singh

Associate Professor,
IIIT - Allahabad



Mr SubodhGajare

Architect,
CISCO Systems, Bangalore



Dr Nizamettin AYDIN

Professor,
Yildiz Technical University, Turkey



Dr Mohammed JakirHossen

Assistant Professor,
Multimedia University, Malaysia



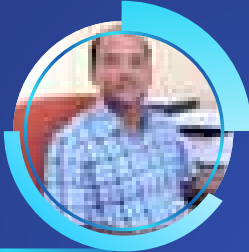
Dr Diptendu Sinha Roy

Associate Professor,
National Institute of Technology, Meghalaya



Dr Manish Singh

Associate Professor,
IIIT - Allahabad



Dr S. Venkatesan

Associate Professor,
IIIT - Allahabad



Dr P. Sivasankar

Associate Professor,
NITTTR, Chennai



Dr Manish Kumar Jain

Senior Consultant,
Infosys, Pune



Mr Harish Prasanna

CEO & Founder,
OpenAVN, USA



Mr Senthil Kumar Mahadevan

Chief Security Architect (CSA),
Wipro, Chennai



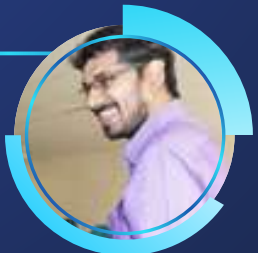
Mr Zubin Abraham

Lead AI Engineer,
Cognub Decision Solutions, Kerala



Mr MadhuParvathaneni

Director & Lead Solutions Architect
Madblocks Technologies, Hyderabad



Dr Dinakaran, Dr M.M. Ramya, Dr Kuppan Chetty

Professors,
Hindustan Institute of Technology and Science, Chennai



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Mr S. Balasubramani

AP- CSE

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