Centre for Continuing Education, NIT, Warangal

The Centre for Continuing Education of NIT, Warangal organizes Continuing Education Programs and Workshops in the frontier areas of Science, Engineering, Technology, Management, Humanities, Social Science and socially relevant themes on self-financing basis in three different modes: (i) At NIT Warangal by NIT Warangal (ii) At NIT Warangal in collaboration with other Organizations (iii) By NIT Warangal Faculty at the Host Organization/Institute.

About NIT, Warangal

National Institute of Technology Warangal, formerly known as Regional Engineering College was established in 1959. Over the years it has developed into a premier institute of higher learning and is ranked among the top technical education institutions in India. There are 13 Departments offering eight undergraduate and 32 post-graduate programs besides doctoral program. About 5000 students across the country and about 500 international students study in the campus. It is a fully residential campus sprawling over 250 acres with excellent infrastructure, state of the art library, seminar halls, guest houses and laboratories.

Resource Persons:

Eminent experts from IITs, NITs, IIITs, Central Universities, Industry and Senior Faculty from different departments of NIT Warangal, will deliver lectures and conduct hands on sessions.

About GTU-GSET, Ahmedabad

Gujarat Technological University – Graduate School of Engineering and Technology is a PG institute and governed by Gujarat Technological University (State University and 12-B certified by UGC). The institute offers two PG programs, (1) M.E. – Electronics & Communication (Mobile Communication and Network Technology), and (2) M.E. – Computer Engineering (Cyber Security). The institute has a state-of-art laboratory facilities to carry out research to generate knowledge, manpower, and develop technologies in the trust areas of Electronics and Communication, and Computer Engineering. The institute has a team of well experienced faculty members.

About GTU, Ahmedabad

Gujarat Technological University is a premier academic and research institution which has driven new ways of thinking since its 2007 founding, established by the Government of Gujarat vide Gujarat Act No. 20 of 2007. Today, GTU is an intellectual destination that draws inspired scholars to its campus, keeping GTU at the nexus of ideas that challenge and change the world. GTU is a State University with 486 affiliated colleges in its fold operating across the state of Gujarat through its FIVE zones at Ahmedabad, Gandhinagar, Vallabh Vidyanagar, Rajkot and Surat. The University caters to the fields of Engineering, Architecture, Management, Pharmacy and Computer Science.

Call for Registration and Participation For
ISEA Project-II Sponsored

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Online Faculty Development Program On

"Internet of Things with Machine Learning and Artificial Intelligence"

14-18 September, 2020

Organized By

Gujarat Technological University-Graduate School of Engineering and Technology, Ahmedabad, Gujarat
www.set.gtu.ac.in

In Association With

Centre for Continuing Education, NIT, Warangal

Overview of FDP

Today, everyone is focus on Internet of Things (IoT), Machine Learning (ML), Artificial Intelligence (AI) and Data management. Statistics shown an huge data will be grown and most of devices to be connected on Internet by 2025. The solution is integration of three technologies, namely IoT, ML, and AI. ML algorithms eliminates optimization and estimation of process, and allow to learn the patterns by itself and take autonomous decisions without new set of the rules and regulation. AI eliminates human intervention wherever necessary and possible. IoT collects various parameters from sensors/devices and connect over Internet using various upcoming wireless technologies. In this FDP, various architectures, techniques and algorithms of IoT, ML and AI are to be incorporated for advanced knowledge for various technocrats for future applications.

Objectives of the FDP:

- To introduce fundamentals of IoT, ML, and AI with its applications.
- The program would help the participants to understand the key concepts and advanced understanding on IoT, ML, and AI.
- At the end of FDP, the participants is able to identify of optimized algorithms, technologies to develop any future applications.
- To explore various research opportunities and challenges in the field of IoT, ML, and AI and its applications.

Confirm Experts

- Prof. Shiva Kumar M., Santa Claura University, USA
- Prof. Suresh Babu, NIT Warangal
- Mr. Badavath Pratap, Altiux Innovation , Bengaluru
- Mr. Prasad B, K4U Technologies,
- Allam Bharat, Xtrans Software Solutions
- Prof. B. Srinivas, NIT, Warangal
- Prof. Raju Bhukya, NIT Warangal,
- Prof. K. V. Kadambai, NIT, Warangal
- Prof. S. G. Sanjeevi, NIT, Warangal

Topics to be covered:

- Overview of Machine Learning for IoT Connected Devices
- Machine Learning and Artificial Intelligence use cases for IoT Connected Devices
- Application of Machine Learning to fight Covid-19 Pandemic
- Role of Machine Learning in IoT, IoT Reference Architecture
- Intelligent IoT System using Machine Learning, Intelligent IoT Edge Computing
- IoT and AI Applications in Agriculture System & Research directions in health care systems
- IoT Intelligent Systems for smart cities
- IoT based Intelligent ICU Monitoring
- Home Automation using Google Assistant using Multiple Language Lab

Registration and Guidelines

Registration is open to: Participants from all disciplines of Engineering, Science, Mathematics, Life Science, Management, Post-Doctoral Fellows, Research Scholars, PG students, UG Students who an aptitude to work in the areas of Internet of Things, Machine Learning, and Artificial Intelligence.

Timing of the FDP: 10:00 AM to 01:30 PM

How to Apply: Eligible candidates may apply by filling the following Google Form on or before 7th September, 2020.

https://forms.gle/wh5Tsh7nMXSGVUT58

No Registration Fee

Confirmation of the Participation:
On receipt of the Google Form, confirmation of their participation will be sent through email by 10th September, 2020. As the program is conducted online, the number of participants in the workshop is limited to 60. Candidates are advised to register early to avoid disappointment. The online quiz will be conducted during the sessions. The certificate is issued based on their performance in the quiz, and other criteria defined by the organizing team.

Management Committee

Chief Patron:
Prof.(Dr) Navin Sheth,
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For any query, contact to Co-Coordinator

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