NATIONAL INSTITUTE OF TECHNICAL TEACHERS TRAINING & RESEARCH, CHANDIGARH

Electronics and Communication Engineering Department

in association with

Scientech Technologies, Indore

cordially invites you to attend one-week industry partnered online workshop on

IoT and Artificial Intelligence

from 01/03/2021 to 05/03/2021

The ECE Department of NITTTR, Chandigarh is organizing a one week industry supported online workshop on "IoT and Artificial Intelligence" from 01/03/2021 to 05/03/2021. The workshop is open to the students, faculty and industry participants. The focus of this workshop is on the fundamentals of IoT and AI, designing of IoT systems, and applications of AI in designing IoT systems. The major topics to be covered are as follows:

- Circuit Simulation and Design Tools
- Introduction to Signal Conditioning, and its Applications.
- Introduction to Sensors and its Characteristics i.e. Thermocouples, RTD
- Introduction of IoT and its Applications, IoT Architecture, Device, Components and it's Levels
- Introduction of Arduino Microcontroller and GPIO, Sensors & Actuator Interfacing
- Zigbee, Bluetooth, GSM, GPS and WiFi Interfacing with Arduino and Data upload on Cloud
- Introduction of Raspberry Pi Processor and its Components, Learning and Performing Different Types of Sensors like Temp, Humidity, Air Quality, Soil Moisture, and Soil Temperature. Data Plotting and Storage with Raspberry Pi
- Application Layer Software like MySQL, PHP, HTML, JSON, XML
- Introduction of AI, ML, DL and its Algorithms
- Introduction of Python and AI/ML/DL IDE Tools
- Face Recognition and Object Recognition Application

Workshop Fee and Registration Details:

Rs. 500/- (+ GST) for faculty, students and industry participants

All the interested participants are required to pay a fee of **Rs. 500/-** (+ GST) through the following bank details and then fill the registration form after payment by clicking on the link: https://forms.gle/pbUYYGPC52SMg2jp8

Bank Details:

Account Name: Director, NITTTR Chandigarh

Account No: 55105008209, State Bank of India, Sector 26, Chandigarh, IFSC Code: SBIN0050116

For More Details:

visit http://www.nitttrchd.ac.in

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