

Online Certification Course

on

Internet of Things (IoT)

[13 April - 26 April, 2021]

[Evening Batch - 5 PM onwards]

under the aegis of

Electronics & ICT Academy

IIT Roorkee



Supported by

Ministry of Electronics & Information

Technology

Government of India



Experts from Academia/Industry

Prof. Meenakshi Rawat, IIT Roorkee

Mr. P. Dinesh, Devarty Technologies

Expert talks from Industry

Principal Investigator

Prof. Sanjeev Manhas, IIT Roorkee

Certificates to participants by E&ICT

Academy IIT Roorkee



Class will be delivered through
online platform

Why IoT ?

Internet of Things (IoT) is becoming ubiquitous with edge sensor nodes getting more and more intelligent and capable to transmit their information directly to a cloud and also get controlled/actuated from the cloud. The pervasive nature of hooking anything to the Internet which was not thought previously opens up a new era of imagination and deployment for a connected world with endless possibilities. The hands-on course covers the architecture of NODE MCU & Raspberry PI 3 which supports Wireless (Wi-Fi standard) connectivity.

- According to estimations by the McKinsey Global Institute, the IoT will have a total economic impact of up to \$11 trillion by 2025.

Objectives of the course

- The proposed certification course provides an opportunity to discuss and address the experimental, theoretical work and methods in solving problems.
- Introduction to attention commands for internet access and android apps for controlling electronic devices.
- Boost your career prospects through innovative and independent learning.
- Project work with real life problems.

Course Features

- 40+ Hours of live instructor-led classes.
- Lectures from IIT Roorkee, Hands-on from industry experts.
- Expert talks from industry.
- Career guidance sessions from the experts.
- 3 hrs of doubt clearing sessions on weekend.
- Access to learning material and video lectures.
- Certificates by E&ICT Academy IIT Roorkee.

Focus Areas

- Introduction to IoT and Applications
- Embedded System from scratch
- Sensor data acquisition and processing
- Offline HTTP Server
- Connecting with Online servers
- Various Internet protocols
- Advanced concepts with IoT
- Projects and Assignments

Prerequisites

- Knowledge of basics of C Programming required. Understanding of any one or more Microprocessor / Microcontroller Architecture and working knowledge with any IDE desired.

Registration Link

<http://tiny.cc/18jetz>

Registration Fee

Fees: ₹ 8000/participant, non refundable
(Applicable for all)

Note: Refund will be done in case of course cancellation only, with in 20 working days

How to make payment

<https://eict.iitr.ac.in/Paymentdetails.html>

Conference Code: EICTIITR-SUM-18

Course Coordinators

- Prof. Meenakshi Rawat, ECE Department, IIT Roorkee
- Prof. Sanjeev Manhas, ECE Department, IIT Roorkee

Reach Us:

- Ph.: +91-9149130233, +91-6376670716
- Email: eict@iitr.ac.in