Prerequisites:
1. Digital Circuit Design
2. Basic knowledge of Computers and programming language like C.

Basic + Advanced

CERTIFICATE COURSE ON INTERNET OF THINGS (IOT)

Highlights

For more information about course modules:
https://bit.ly/Modules_IoT

- **10 days live sessions with course faculty**
- **1-Day Campus Immersion**
- **7 engaging course modules**
- **Video Lectures and demos**
- **Capstone projects**
- **Explore real-world problems**
- **Real time problem solving**
- **Assignments, Doubt solving and Project discussions**
- **Interaction with industry experts**

INTRODUCTION

The Internet of Things (IoT) is everywhere. It provides advanced data collection, connectivity, and analysis of information collected by computers everywhere—taking the concepts of Machine-to-Machine communication farther than ever before. The Internet of Things is transforming our physical world into a complex and dynamic system of connected devices on an unprecedented scale. Advances in technology are making possible a more widespread adoption of IoT, from pill-shaped micro-cameras that can pinpoint thousands of images within the body, to smart sensors that can assess crop conditions on a farm, to the smart home devices that are becoming increasingly popular.

OBJECTIVES

- Understand concepts of microcontrollers and embedded systems.
- Describe hardware and software required for IoT product design
- Work on open hardware platforms like Arduino, STM and Raspberry PI
- Practice on programming the embedded hardware.
- Apply programming skills to develop projects and products.
- Integrate sensor data on IoT cloud platforms like ThingSpeak

EXPECTED OUTCOME

- Choose suitable embedded board for their IoT product design
- Explain working principle of sensors and actuators
- Interface sensors and actuators with controller boards.
- Apply programming concepts on hardware platforms
- Learn how to design, code and build IOT products
- Upload and process data on cloud.

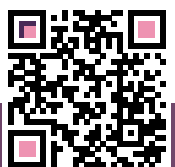| Starts On	Duration	Fees	Eligibility	Format	Batch Size
18th October 2021	10 days Online (4Hours per day)	INR 1000	Engineering Graduate/ Diploma and Industry Executive	Online Interactive Lectures	30 participants

Contact Details:

Mrs. Megha Gupta
+91 98198 87234

Registration Details:
https://bit.ly/Reg_Internet_of_Things

For more information visit www.tcetmumbai.in