Internet of Things (IoT): Project Design

(Duration: **April 28th – May 30th** *2025)*

Registration Deadline: **April 25th** *(till 23:00)*

Primary Audience:

This course is intended for **final year students** of TTPU who are eligible to carry out final internship.
This course serves as a substitute for the final **internship** requirement.

Course Description:

- **Duration**: *60 hours* of in-class training (1 month)
  and *90 hours* of self-study and independent project work
- **Objective**: Equip students with practical IoT development skills
- **Key Topics**:
  - IoT fundamentals
  - Microcontrollers and other HW
  - LoRa/LoRaWAN technologies
  - FPGA and other technologies
  - Software Defined Radio (SDR)
  - MQTT setup and use
  - Firmware development and RTOS for ESP32
  - Fundamentals of Linux and Docker
  - PCB design and prototype testing
- **Outcome**:
  - Final **Capstone IoT Project**

Registration Requirement:

➢ The course starts **ONLY** if *more than* **15 students** sign up.

If fewer than 15 students register, course will be canceled.

Participants should be eligible for final internship.

DEADLINE: : *April 25th (till 23:00)*

HOW TO REGISTER ?:

➢ You have to fill following online form.

https://forms.gle/5YC7gZA2F6KW3VyH7

After you submit this form, you will receive *a link* to a telegram group of the course.

➢ Contact person: Maqsud Usmonov

telegram*: @MaqsudUsmonov2*

email: maksudjon.usmonov@polito.uz

QR code