Internet of Things using Raspberry PI:

This is an introductory course which will enable students to learn basics of Internet of Things using Raspberry PI. There will be live interactive classes with practical demonstration online.

Who can attend: Degree/Diploma in electronics and IT or NIELIT O/A level or anybody who has basics of Programming.

Course content:

- Introduction to Raspberry PI, different versions and features
- Assembly, setting up and basic commands
- Hardware basics, controlling IO pins and programming in python
- Control of electronics using GPIO with practical
- Control of brightness of LED using Pulse Wide Modulation with practical
- Interfacing DHT11 sensor
- Basics of Internet of Things
- Controlling GPIO using web interface
- Machine to machine communication, MQTT
- Writing Publish, Subscribe client programs
- Remote monitoring of temperature and humidity using mobile with practical
- Live streaming through web

Duration: 1 week @ 3 hrs per day

Course fee Rs 1,000/-

Course Start Date: 3 October 2022

Last Date for Registration and Payment: 5th October 2022

Minimum requirements

- Attendees must have a Raspberry PI system with a good internet connection and basic programming knowledge.

Faculty Profile

Thokchom Sunil Kumar Singh
Scientist D

Contact Number

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Admission

Candidates can apply online registration through the given link:

https://forms.gle/vAzTH6ExsaBRqm5GA

Mode of payment

Payment transaction may be done to the bank account using any mode of payment.

Account Name	: DIRECTOR NIELIT
Account Number	11808303031
IFSC Code	SBIN0006183
Bank Name	SBI
Branch	CHUCHUYIMLANG

Certificate: Certificate will be issued to all candidates who attend the course.