

Elective Course: Internet of Things

Assignment#2

- 1) Develop a Python GUI application for Implementing the MQTT subscribe operation to the given demo MQTT publish operation using Thingspeak Cloud.

Connect either to 1) Raspberry Pi + Arduino+ Digital Temperature Sensor(KY028) (OR) 2) Raspberry Pi+DHT11 Sensor. (Steps to connect Raspberry Pi remotely is given during the interactive session).

- 2) Develop a Python GUI application to collect and store sensor data locally in the MySQL DB (LAMP stack installed in the Raspberry Pi). Connect to Raspberry Pi+DHT11 Sensor. (Steps to connect Raspberry Pi remotely is given during the interactive session).

Submit the source code along with the comments describing the logic, and screen prints(outputs) .

Last date for submission:20-May-2021