

Sr. No.	List of Practical for IoT Lab
1	Introduction to Raspberry Pi 5 Model B and its components
2	Basic of Network (CoAP, MQTT) and Cloud (ThingSpeak) .
3	Study the various IoT protocols Libraries (e.g., Wi-Fi, Bluetooth, ZigBee, LoRa) .
4	Configuration of the XBee S2C and LoRa devices in order to create a WSN (Network) .
5	Apply the MQTT protocol using the Mosquitto broker in the real-time scenario.
6	Create a Node-Red UI for Experiment No. 5.
7	Create a real-time log register for Google Cloud using Python
8	Experiment on Arduino/ESP32 to upload temperature and humidity data to ThingSpeak cloud (IoT-based free cloud platform).