

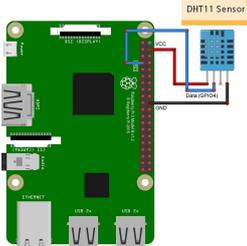
EDGE COMPUTING LAB(23A39605)

1.Setup and Configuration of Edge Devices

- o Raspberry Pi/Jetson Nano installation, SSH, GPIO control

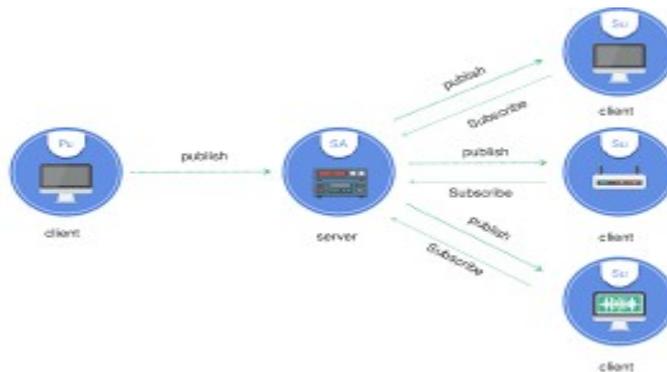
2.Data Acquisition from Sensors

- o Reading data from temperature, motion, and environmental sensors



5. MQTT-Based Edge Communication

- o Setup publisher/subscriber model for edge-to-cloud communication



9. Streaming Data Analytics on Edge

- o Local aggregation and event processing with Kafka or lightweight alternatives

