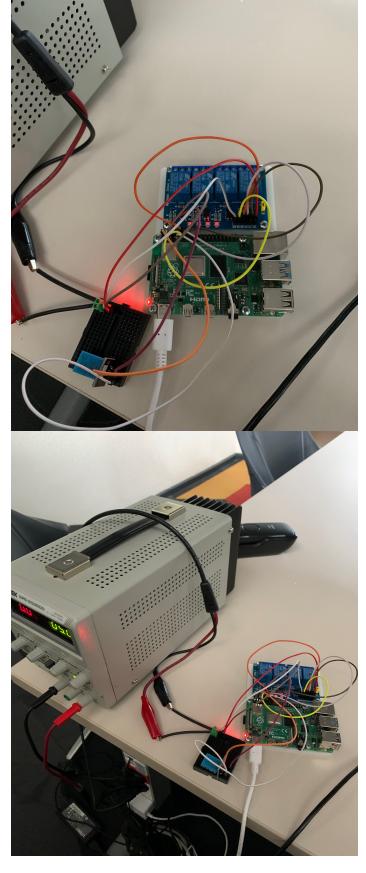
smart irrigation system hardware setup





smart irrigation system mqtt broker setup

sudo apt update

sudo apt upgrade

sudo apt install -y mosquitto mosquitto-clients

sudo systemctl enable mosquitto

mosquitto -v

mosquitto_sub -d -t temperature

mosquitto_sub -d -t humidity



smart irrigation system mqtt scheme

RELAY STATUS

TEMPERATURE HUMIDITY

MQTT PUBLISHER

Raspberry Pi 4 (DHT11) Mobile (MQTTool APP) PC (MQTT.fx APP)

MQTT BROKER

Raspberry Pi 4

RELAYS (x4)

DHT11 SENSOR

RELAY STATUS

TEMPERATURE HUMIDITY

MQTT SUBSCRIBER

Raspberry Pi 4 (Relays)
Mobile (MQTTool APP)
PC (MQTT.fx APP)

