#define BLYNK\_PRINT Serial

#include <ESP8266WiFi.h>

#include <BlynkSimpleEsp8266.h>

#include "DHT.h"

#define DHTTYPE DHT11

#define DHTPIN D2

char auth[] = "CRtkHojRrhS9WbwIABBsotu1vir\_-O29";

char ssid[] = "Anarchy";

char pass[] = "111111111";

DHT dht(DHTPIN, DHTTYPE);

void setup()

{

Serial.begin(9600);

Blynk.begin(auth, ssid, pass);

pinMode(D0,OUTPUT);

pinMode(D4,OUTPUT);

dht.begin();

}

void loop()

{

Blynk.run();

float h = dht.readHumidity();

float t = dht.readTemperature();

float sensorValue;

////////////////////////////////////////////////////////////////////////

int mois = digitalRead(D3);

Serial.print("\tMoisturizer is : ");

Serial.print(mois);

if(mois == 1)

{

digitalWrite(D6,LOW);

}

if(mois == 0)

{

digitalWrite(D6,HIGH);

}

////////////////////// Soil Moisture Sensor////////////////////////////

if (isnan(t) || isnan(h))

{

Serial.println("Failed to read value from DHT11 Humitdity and Temperature");

}

else

{

Serial.print("\tHumidity is : ");

Serial.print(h);

Serial.print(" %\t");

Serial.print("Temperature is : ");

Serial.print(t);

Serial.println(" \*C");

Blynk.virtualWrite(V0,h);

Blynk.virtualWrite(V1,t);

///////////////////DHT11 Sensoe/////////////////////////////////////

}

delay(3000);

}