#include <ESP8266WiFi.h> // ESP8266WiFi.h library

#include <DHT.h>

#define DHTPIN 2

#define DHTTYPE DHT11

DHT dht(DHTPIN, DHTTYPE);

const char\* ssid     = "abc";// replace subscribe with your WiFi SSID(Name)

const char\* password = "12345678";//replace with Your Wifi Password name

const char\* host = "[api.thingspeak.com](http://api.thingspeak.com/)";

const char\* writeAPIKey = "TQ23GRLLN7PI5511"; //copy yout ThingSpeak channel API Key.

char auth[] = "FmNUNzcnBN6HbGrB\_14QPTfEVqnnjl99";

 #include <BlynkSimpleEsp8266.h>

BlynkTimer timer;

void setup() {

 Serial.println("Connecting to ");

 Serial.println(ssid);

//  Connect to WiFi network

  WiFi.begin(ssid, password);

while (WiFi.status() != WL\_CONNECTED) {

delay(500);

    Serial.print(".");

  }

   Serial.println("");

   Serial.println("WiFi connected");

Blynk.begin(auth, ssid, password);

 dht.begin();

pinMode(D5,INPUT);//VIB

pinMode(D6,INPUT);//POWER

pinMode(D7,OUTPUT);//BUZ

 pinMode(D8,INPUT);//LDR

// Initialize sensor

 Serial.begin(115200);

}

void loop() {

Blynk.run();

float humidity = dht.readHumidity();

 float temperature = dht.readTemperature();

int Viberation=digitalRead(D5);

int Power =digitalRead(D6);

int Buzzer=digitalRead(D7);

int Ldr=digitalRead(D8);

if(Viberation==1||Ldr==0)

{

  Blynk.email("[poojasreeanil@gmail.com](mailto:poojasreeanil@gmail.com)", "ESP8266 Alert", "ATM mointering Alert:High Tempearture");

    Blynk.notify("ALERT:value triggered");

    digitalWrite(D7,HIGH);

  }

  else

  {

    digitalWrite(D7,LOW);

  }

if(temperature > 35){

    Blynk.email("[poojasreeanil@gmail.com](mailto:poojasreeanil@gmail.com)", "ESP8266 Alert", "ATM mointering Alert:High Tempearture");

    Blynk.notify("ALERT:High Tempearture");

  }

  if(humidity>80){

    Blynk.email("[poojasreeanil@gmail.com](mailto:poojasreeanil@gmail.com)", "ESP8266 Alert", "ATM mointering Alert:High Humidity");

    Blynk.notify("ALERT:High Humidity");

  }

 if(Power==0){

    Blynk.email("[poojasreeanil@gmail.com](mailto:poojasreeanil@gmail.com)", "ESP8266 Alert", "ATM mointering Alert:No power");

    Blynk.notify("ALERT:No power");

  }

WiFiClient client;

const int httpPort = 80;

if (!client.connect(host, httpPort)) {

return;

  }

  String url = "/update?key=";

  url+=writeAPIKey;

  url+="&field1=";

  url+=String(Viberation);

  url+="&field2=";

  url+=String(temperature);

  url+="&field3=";

url+=String(humidity);

  url+="&field4=";

  url+=String(Ldr);

  url+="&field5=";

  url+=String(Power);

  url+="\r\n";

// Request to the server

  client.print(String("GET ") + url + " HTTP/1.1\r\n" +

"Host: " + host + "\r\n" +

"Connection: close\r\n\r\n");

  Serial.println("Send to ThingSpeak.\n");

  Serial.println(Ldr);

client.stop();

  Serial.println("Wait for 15 sec to update next datapack in thingSpeak");

delay(1000);

}