#define DIGITAL\_PIN 2

#define LED\_PIN 13

#include <DHT.h>

#define DHT\_PIN 15 // Pin connected to the DHT sensor

#define DHT\_TYPE DHT11

DHT dht(DHT\_PIN, DHT\_TYPE); // Type of DHT sensor, DHT11 or DHT22

#include <WiFi.h>

#include <HTTPClient.h>

const char\* ssid = "Mi 11X";

const char\* password = "pravimi11x";

const char\* botToken = "7056168314:AAEPJKB\_ykzJ9DG2avSFgjAyt\_GKZSM0Rgs";

const char\* chatId = "1859638363";

void setup() {

Serial.begin(115200); //baud

pinMode(DIGITAL\_PIN, INPUT);

pinMode(LED\_PIN, OUTPUT);

dht.begin(); // Initialize DHT sensor

// Connect to Wi-Fi

Serial.println("Connecting to WiFi...");

WiFi.begin(ssid, password);

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

delay(1000);

Serial.println("Connecting...");

}

Serial.println("Connected to WiFi");

}

void loop() {

// Read digital value from sensor

int sensorValue = digitalRead(DIGITAL\_PIN);

// Read temperature value in Celsius

float temperature = dht.readTemperature();

// Check if any reads failed and exit early (to try again).

if (isnan(temperature)) {

Serial.println("Failed to read temperature from DHT sensor!");

delay(2000);

return;

}

// Print temperature value to serial monitor

Serial.print("Temperature: ");

Serial.print(temperature);

Serial.println(" °C");

// Print sensor value

Serial.print("Sensor Value: ");

Serial.println(sensorValue);

// Check if sensor value is 1 or temperature is greater than 30°C

if (sensorValue >= 1 || temperature >= 34) {

// Send alert message to Telegram

sendTelegramMessage("Emergency Send the Rescue Team ");

}

delay(5000); // Wait for 5 seconds before taking next sensor reading

}

void sendTelegramMessage(String message) {

HTTPClient http;

// Compose the URL for the Telegram Bot API

String url = "https://api.telegram.org/bot" + String(botToken) + "/sendMessage";

// Compose the JSON payload

String payload = "{\"chat\_id\":\"" + String(chatId) + "\",\"text\":\"" + message + "\"}";

// Make POST request to the Telegram Bot API

http.begin(url);

http.addHeader("Content-Type", "application/json");

int httpResponseCode = http.POST(payload);

// Check for response

if (httpResponseCode > 0) {

Serial.print("Telegram message sent. Response code: ");

Serial.println(httpResponseCode);

} else {

Serial.print("Error sending message. HTTP error code: ");

Serial.println(httpResponseCode);

}

http.end();

}