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For the alarm detector

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int redLed = 12;

int greenLed = 11;

int buzzer = 10;

int smokeA0 = A5;

// Your threshold value

int sensorThres = 400;

void setup() {

pinMode(redLed, OUTPUT);

pinMode(greenLed, OUTPUT);

pinMode(buzzer, OUTPUT);

pinMode(smokeA0, INPUT);

Serial.begin(9600);

}

void loop() {

int analogSensor = analogRead(smokeA0);

Serial.print("Pin A0: ");

Serial.println(analogSensor);

// Checks if it has reached the threshold value

if (analogSensor > sensorThres)

{

digitalWrite(redLed, HIGH);

digitalWrite(greenLed, LOW);

tone(buzzer, 1000, 200);

}

else

{

digitalWrite(redLed, LOW);

digitalWrite(greenLed, HIGH);

noTone(buzzer);

}

delay(100);

}

For connecting to blynk app:

#define BLYNK\_PRINT Serial

#include <ESP8266WiFi.h>

#include <BlynkSimpleEsp8266.h>

BlynkTimer timer;

char auth[] = "vwzkk69j6s\_6fe2MO-IOrlrnncC-uB\_1"; //token number

char ssid[] = "network"; //Wifi name

char pass[] = "nikesh02"; //Wifi Password

int flag=0;

void notifyOnFire()

{

int isButtonPressed = digitalRead(D1);

if (isButtonPressed==1 && flag==0) {

Serial.println("Fire in the House");

Blynk.notify("Alert! Alert! Fire is Detected");

flag=1;

}

else if (isButtonPressed==0)

{

flag=0;

}

}

void setup()

{

Serial.begin(9600);

Blynk.begin(auth, ssid, pass);

pinMode(D1,INPUT\_PULLUP);

timer.setInterval(1000L,notifyOnFire);

}

void loop()

{

Blynk.run();

timer.run();

}