#define BLYNK\_TEMPLATE\_ID “TMPL3O65UaBW6”

#define BLYNK\_TEMPLATE\_NAME “AIR QUALITY MONITORING”

#define BLYNK\_AUTH\_TOKEN “8GAVbB\_Zm-tMGFCI2gQvGHB7Uj85fkZG”

#define BLYNK\_PRINT Serial

#include “dht.h”

#include <Wire.h>

#include <LiquidCrystal\_I2C.h>

LiquidCrystal\_I2C lcd(0x27, 16, 2);

#include <ESP8266WiFi.h>

#include <BlynkSimpleEsp8266.h>

#define dht\_apin D0

Dht DHT;

Int humty;

Int temp;

Int gassensor = A0;

Char auth[] = BLYNK\_AUTH\_TOKEN;

Char ssid[] = “iot airqty”;

Char pass[] = “123123123”;

//BLYNK\_WRITE(V3)

//{

// int value = param.asInt();

// Serial.println(value);

// if(value == 1)

// {

// digitalWrite(D8, HIGH);

// lcd.setCursor(12,1);

// lcd.print(“ ON”);

// }

// if(value == 0)

// {

// digitalWrite(D8, LOW);

// lcd.setCursor(12,1);

// lcd.print(“OFF”);

// }

//}

Void setup()

{

//Serial.begin(9600); // Starts the serial communication

Lcd.begin();

Serial.begin(115200);

Blynk.begin(auth, ssid, pass);

pinMode(D8,OUTPUT);

lcd.setCursor(0,0);

lcd.print(“ IoT Based “);

lcd.setCursor(0,1);

lcd.print(“Air Quality mrtg”);

delay(1000);

lcd.clear();

}

Void loop()

{

Blynk.run();

DHT.read11(dht\_apin);

Humty = (DHT.humidity);

Temp = (DHT.temperature);

Float airr = analogRead(gassensor);

Float air =(airr/10);

Delay(100);

Lcd.setCursor(0,0);

Lcd.print(“T:”);

Lcd.print(temp);

Lcd.print(“ “);

Lcd.setCursor(8,0);

Lcd.print(“H:”);

Lcd.print(humty);

Lcd.print(“ “);

Lcd.setCursor(0,1);

Lcd.print(“Air:”);

Lcd.print(air);

Lcd.print(“ “);

If(air > 50)

{

Lcd.setCursor(12,1);

Lcd.print(“ bad “);

}

Else

{

Lcd.setCursor(12,1);

Lcd.print(“good”);

}

Blynk.virtualWrite(V0, air);

Blynk.virtualWrite(V1, temp);

Blynk.virtualWrite(V2, humty);

}