#include <ESP8266WiFi.h>

#include <WiFiClient.h>

#include <ESP8266WebServer.h>

#include <ESP8266HTTPClient.h> //esp files

#include<SoftwareSerial.h> //Included SoftwareSerial Library

//Started mySerial SoftwareSerial

SoftwareSerial mySerial(D3,D4);

const char \*ssid = "android ap"; //ENTER YOUR WIFI SETTINGS

const char \*password = "androidap";

String ToCo\_id="TOILET-1";

int compartment=2;

String area="VIKHROLI";

String dirty="NO",water="NO";

int gas,count1,dirt;

int watery,i;

char id[1];

void setup() {

//Serial Begin at 9600 Baud

Serial.begin(9600);

mySerial.begin(9600);

pinMode(D2,OUTPUT);

delay(1000);

WiFi.mode(WIFI\_OFF); // Wifi mode off

delay(1000);

WiFi.mode(WIFI\_STA); // Wifi station mode

delay(1000);

WiFi.begin(ssid,password); // Connecting to Wifi

Serial.println("Connecting");

while(WiFi.status()!=WL\_CONNECTED) // Checking if connected

{

delay(500);

Serial.print(".");

}

Serial.println("");

Serial.print("Connected to ");

Serial.println(ssid);

Serial.print("IP address: ");

Serial.println(WiFi.localIP());

}

void loop() {

digitalWrite(D2,HIGH);

HTTPClient http; //Declare object of class HTTPClient

WiFiClient client; //Declare object of class WifiClient

for(i=1;i<5;i++){

while(!mySerial.available()){

}

mySerial.readBytes(id,1); //Read the serial data and store it

Serial.print(" id=");

Serial.println(id);

if(id[0]=='G'){

while(mySerial.available()<2){

}

byte b1 = mySerial.read();

byte b2 = mySerial.read();

gas = ((int)b1) \* 256 + b2;

Serial.print("gas: ");

Serial.println(gas);

}

if(id[0]=='C'){

while(!mySerial.available()){

}

count1=mySerial.read(); //Read the serial data and store it

Serial.print(" count1=");

Serial.println(count1);

}

if(id[0]=='D'){

while(!mySerial.available()){

}

dirt=mySerial.read(); //Read the serial data and store it

Serial.print(" dirt=");

if(dirt==1){

dirty="YES";

Serial.println(dirty);

}

else{

dirty="NO";

Serial.println(dirty);

}

}

if(id[0]=='W'){

while(!mySerial.available()){

}

watery=mySerial.read(); //Read the serial data and store it

Serial.print(" water=");

if(watery==1){

water="YES";

Serial.println(water);

}

else{

water="NO";

Serial.println(water);

}

}

}

http.begin(client,"http://192.168.43.35/test/designv2.php?ToCo\_id="+ToCo\_id+"&gas="+gas+"&count1="+count1+"&water="+water+"&dirty="+dirty+"&area="+area+"&compartment="+compartment); //Specify request destination

int httpCode = http.GET();

Serial.println(httpCode); //Print HTTP return code

http.end(); //Close connection

delay(1000);

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

digitalWrite(D2,LOW);

}

delay(1000);

}