Signs with Smart Connectivity for Better Road Safety

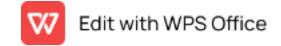**Team ID :PNT2022TMID45862**

Final code:

#include <LiquidCrystal.h> #define BLYNK PRINT Serial #include <ESP8266WiFi.h>

#include <BlynkSimpleEsp8266.h>

char auth] "Y4DBRJfvaDUee9LMZHCWT7pd=VL01RGU"; // Your

WiFi credentials. // Set password to " for open networks.

char said[]= "hellow";

char pass]"12345678":

const int rs = D5, en D6, d4 D1, ds D2, d6 D3, d7 = D4; LiquidCrystal led(rs, en, d4, d5, d6, d7); int a=0;

BLYNK WRITE(V2)

aparan.asInt();

void setup() { // set up the LCD's number of columns and rows: Serial.begin(9600); Blynk.begin(auth, ssid, pass); led.begin(16, 2);

```
void loop() {


Blynk.run();


lcd.setCursor(0, 1); if(a+1)

{

led.print ("accident occured"); Serial.print("hi");

}

Else

{

lcd.print("welcome");

}

#define BLYNK PRINT Serial


#include <ESP8266WiFi.h>


#include <BlynkSimpleEsp8266.h>


char auth]q6FAQIggdiHIxAPEa116"; char said[]"hellow":


char pass 12345678":


String stri
```

```
void setup() { Serial.begin(9600);


Blynk.begin(auth, said, pass);


void loop() {


Blynk.run();


if(Serial.available()>0)


str-Serial readStringUntil('/');

}
```

// Serial.print(str); // Blynk.notify("location:");

```
Blynk.notify(str);

}


#include <TinyGPS++. #include <SoftwareSerial.b>


TinyGPSPlus : SeftvareSerial (3,4): attachInterrupt

(digitalPinToInterrupt (2), piezo, CHANCE);

}

void loop() { Derial.read();
```

// Serial.println(" ");

```
delay(200);


C


digitalWrite(e,HIGH); digitalWrite(11,HIGH); digitalWrite(12,HIGH); delay(200);
digitalWrite(12,LOW);


else if(n-2)


digitalWrite(6,LOW);


digitalWrite(11,LOW); digitalWrite(10,LOW); digitalWrite(9,LOW); digitalWrite(12,HIGH);
delay(200); digitalWrite(12,LOW);


else if (1)


analogWrite(11,100); analogWrite(6,100); digitalWrite(12,HIGH); delay(200):
digitalWrite(12,tov);


// while (az.available() > 0) // if (p.encode(as.read())) //displayinfo():


void displayInfo()


// Serial.print(F("Location: "));


Serial.print(gpe.location lat(), 63: Serial.print (FC","
```

```
Serial.print(ps/location, lng(), );


// Berial print (F("INVALID"}]}\


Serial.print(+10, 308125")


Serial.print(", Berial prias (7.3)


Serial.print(F(" Date/Time: ")); if (ps.date.isValid())


Serial.print(ps.date.outh());


Serial.print(F("/"));


Serial.print(ps.date.day()); Serial.print((


Serial.print(gps.date.year());


Serial.print(F(INVALID"));


Serial.print(F()); if (gpe tine isValid())


if (gpe tine.bour() < 10) Serial.print(F(""));
```

```
Serial.print(gps.tine.bour());




}Serial.priss (F(":")); if (ga tine.minute() < 10) Serial.priet (F(**));


Serial.print(gps.tine.attute());


Serial.print(F(3):


if (gps.tise second() < 10) Serial.print(F("0"));


Serial.print(gps.tine.second()); Serial.print(F("."));


if (gpe.time.centisecond() < 10) Berial.print(F("0")); Serial.print(gps.tine.cantisecond());


// Serial.print (F(INVALID"));


Serial.println();


void piezo()


while (.available() > 0)


displayInfo();
```

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```
void setup() (

pisode (D2, INPUT); plaude (03, 18PUT);

digitalrite,Lo

Ferial Begin(3600);

void loop(){

a-digitalRead(D1); if (a1)

Serial.print("1"); } bedigitalRead(D2);

if (b==1)

Serial.print("2");

d-digitalRead(D4); if (d=-1)

Serial.print("3");

}
```

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