Date	17 November 2022
Team ID	PNT2022TMID20032
Project Name	Signs with Smart Connectivity for Better Road Safety

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, Ing(), );

// 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();

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");
```

```
}
```