

Date	17 November 2022
Team ID	PNT2022TMID40718
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[q6FAQlggdiHlxAPEa116"]; 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++.h> #include <SoftwareSerial.h>

TinyGPSPlus : SoftwareSerial (3,4): attachInterrupt
(digitalPinToInterrupt (2), piezo, CHANGE);

}

void loop() { Serial.read(); //

Serial.println(" ");

delay(200);

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();
```

```
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");
```



}

