```
#define BLYNK_TEMPLATE_ID "Your_Template_ID"
#define BLYNK_TEMPLATE_NAME "Your_Template_Name"
#define BLYNK_AUTH_TOKEN "Your_Auth_Token”

#include <Wire.h>
#include <LiquidCrystal_I2C.h>
#include "DHT.h"
#include <TinyGPS++.h>
#include <HardwareSerial.h>
#include <WiFi.h>
#include <BlynkSimpleEsp32.h>

#define DHTPIN 4
#define DHTTYPE DHT11
#define GAS_SENSOR 34
#define RXPin 16
#define TXPin 17
#define BUZZER 5

DHT dht(DHTPIN, DHTTYPE);
LiquidCrystal_I2C lcd(0x27, 16, 2);
TinyGPSPlus gps;
HardwareSerial gpsSerial(2);
BlynkTimer timer;

char ssid[] = "YourWIFISSID";
char pass[] = "YourWIFIPassword";
float lat, lng;

void setup() {
    Serial.begin(115200);
    gpsSerial.begin(9600, SERIAL_8N1, RXPin, TXPin);
    WiFi.begin(ssid, pass);
    Blynk.begin(BLYNK_AUTH_TOKEN, ssid, pass);

    lcd.init();
    lcd.backlight();
    dht.begin();
    pinMode(GAS_SENSOR, INPUT);
    pinMode(BUZZER, OUTPUT);
```

```
    digitalWrite(BUZZER, LOW);

    timer.setInterval(5000L, sendSensorData);
}

void sendSensorData() {
    float temp = dht.readTemperature();
    Serial.println(temp);
    int gasValue = analogRead(GAS_SENSOR);
    gasValue = map(gasValue,0,4095,0,1024);
    Serial.println(gasValue);

    String gpsData = "No GPS Signal";
    while (gpsSerial.available()) {
        if (gps.encode(gpsSerial.read())) {
            if (gps.location.isValid()) {
                gpsData = "Lat: " + String(gps.location.lat(), 6) + " Lng:
" + String(gps.location.lng(), 6);
                float latitude = gps.location.lat();
                float longitude = gps.location.lng();

                Blynk.virtualWrite(V4, String(latitude, 6));
                Blynk.virtualWrite(V5, String(longitude, 6));
            }
        }
    }

    Blynk.virtualWrite(V2, temp);
    Blynk.virtualWrite(V1, gasValue);

    lcd.setCursor(0, 0);
    lcd.print("Temp: " + String(temp) + "C");
    lcd.setCursor(0, 1);
    lcd.print("Gas: " + String(gasValue));

    delay(2000);

    Serial.println(gpsData);
```

```
    if (temp > 50 || gasValue > 1000) {
        Blynk.logEvent("alert", "ALERT! High Temperature or Gas
Detected!");
        digitalWrite(BUZZER, HIGH);
        delay(3000);
        digitalWrite(BUZZER, LOW);
    }
}

void loop() {
    Blynk.run();
    timer.run();
}
```