```
#include <LiquidCrystal.h>
#include <SoftwareSerial.h>

SoftwareSerial BTserial(2, 4); // RX | TX
LiquidCrystal lcd(3, 13, 9, 10, 11, 12);
int buz = 6;  //
int low = 5;
int med = 7;
int full = 8;

void setup()
{
BTserial.begin(9600);
pinMode(buz,OUTPUT);
pinMode(buz,OUTPUT);
pinMode(low,INPUT);
pinMode(med,INPUT);
pinMode(full,INPUT);

Serial.begin(9600);
  lcd.begin(16, 2);
  // Print a message to the LCD.
  lcd.setCursor(0, 0);
  lcd.print("  POLLUTION ");
    lcd.setCursor(0, 1);
      lcd.print("ALERT MACHINE");
```

```
digitalWrite(buz,LOW);
delay(250);
 digitalWrite(buz,HIGH);
delay(250);

     digitalWrite(buz,LOW);
delay(250);
 digitalWrite(buz,HIGH);
delay(250);

 digitalWrite(buz,LOW);
delay(250);
 digitalWrite(buz,HIGH);
delay(250);

 digitalWrite(buz,LOW);
delay(250);
 digitalWrite(buz,HIGH);
delay(250);

 digitalWrite(buz,LOW);
delay(250);
 digitalWrite(buz,HIGH);
delay(250);

 digitalWrite(buz,LOW);
delay(250);
```

```
 digitalWrite(buz,HIGH);
delay(250);

 digitalWrite(buz,LOW);
delay(250);
 digitalWrite(buz,HIGH);
delay(250);

 digitalWrite(buz,LOW);
delay(250);
 digitalWrite(buz,HIGH);
delay(250);

 digitalWrite(buz,LOW);
delay(250);
 digitalWrite(buz,HIGH);
delay(250);

 digitalWrite(buz,LOW);
delay(250);
 digitalWrite(buz,HIGH);
delay(250);

 digitalWrite(buz,LOW);
delay(250);
 digitalWrite(buz,HIGH);
delay(250);
```

```
 }


//Main Loop To Calculate RPM and Update LCD Display
void loop()
{
if(digitalRead(low)==HIGH && digitalRead(med)==HIGH && digitalRead(full)==HIGH  )
{
    digitalWrite(buz,LOW);
 delay(250);


BTserial.print("FUEL  TANK LEVEL OF THE VEHICLE IS  =   BELOW RESERVE LEVEL
");


//BTserial.print(",");
BTserial.print(";");


      init_sms();
  send_data(" FUEL BELOW RESERVE ");
  send_sms();
  digitalWrite(buz,LOW);
delay(4000);
 delay(500);
 }
if(digitalRead(low)==LOW && digitalRead(med)==HIGH && digitalRead(full)==HIGH  )
{
  BTserial.print("FUEL  TANK LEVEL OF THE VEHICLE IS  =   LOW LEVEL
");
//BTserial.print(",");
```

```
BTserial.print(";");
 delay(1000);
}
if(digitalRead(low)==LOW && digitalRead(med)==LOW && digitalRead(full)==HIGH  )

{
  BTserial.print("FUEL  TANK LEVEL OF THE VEHICLE IS  =   MID - LEVEL
");

//BTserial.print(",");
BTserial.print(";");

 delay(1000);
 }

if(digitalRead(low)==LOW && digitalRead(med)==LOW && digitalRead(full)==LOW  )
{
BTserial.print("FUEL  TANK LEVEL OF THE VEHICLE IS  =   FULL - LEVEL
");
//BTserial.print(",");
BTserial.print(";");

 delay(1000);
 }

digitalWrite(buz,HIGH);
delay(500);
```

```
}


void init_sms()
{
   Serial.println("AT+CMGF=1");
   delay(200);
   Serial.println("AT+CMGS=\"+917973658346\"");   // 9882496231
   delay(200);
}
void send_data(String message)
{
  Serial.println(message);
  d–elay(200);
}
void send_sms()
{
  Serial.write(26);
```