

SPRINT

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TEAM ID	PNT2022TMID27193
PROJECT NAME	Gas leakage monitoring and alertingsystem for industries.

```
#include <LiquidCrystal.h>

LiquidCrystal

lcd(5,6,8,9,10,11);int redled
= 2;

int greenled =
3;int buzzer =
4; int sensor =
A0;

int sensorThresh =
400;void setup()
{
pinMode(redled, OUTPUT);
pinMode(greenled,OUTPU
T);
pinMode(buzzer,OUTPUT);
pinMode(sensor,INPUT);
Serial.begin(960
0);lcd.begin(16,2);
}

void loop()
{
int analogValue =
analogRead(sensor);
Serial.print(analogValue);
if(analogValue>sensorThresh)
{
digitalWrite(redled,HIGH);
```

```
digitalWrite(greenled,LO
```

```
W);
```

```
tone(buzzer,1000,10000);  
lcd.clear();  
lcd.setCursor(0,1);  
lcd.print("ALERT");  
delay(1000);  
lcd.clear();  
lcd.setCursor(0,1);  
lcd.print("EVACUATE  
");delay(1000);  
}  
else  
{  
    digitalWrite(greenled,HIGH);  
    digitalWrite(redled,LOW);  
    noTone(buzzer);  
    lcd.clear();  
    lcd.setCursor(0,0);  
    lcd.print("SAFE");  
    delay(1000);  
    lcd.clear();  
    lcd.setCursor(0,1);  
    lcd.print("ALL  
CLEAR");  
    delay(1000);  
}  
}
```


