

Gas Leakage monitoring & Alerting system for Industries

Project development phase

Delivery of sprint-2

Date	5 November 2022
Team ID	PNT2022TMID32740
Project Name	Gas Leakage Monitoring And Alerting System For Industries

Program:

```
#include <LiquidCrystal.h>

LiquidCrystal lcd(6,7,8,9,12,13);

float tempsensor=A1;

void setup()

{

pinMode(2,OUTPUT);

pinMode(4,OUTPUT);

pinMode(10,OUTPUT);

pinMode(3,OUTPUT);

pinMode(A0,INPUT);
```

```
pinMode(A1,INPUT);  
Serial.begin(9600);  
lcd.begin(16,2);  
}  
void loop()  
{  
  {  
    float temp=analogRead(tempsensor);  
    Serial.println(temp);  
    if(temp>150)  
      digitalWrite(3,HIGH);  
    else  
      digitalWrite(3,LOW);  
  }  
}
```

```
int analogValue = analogRead(A0);  
Serial.print(analogValue);  
if(analogValue>500)  
  
{
```

```
digitalWrite(4,HIGH);  
digitalWrite(2,LOW);  
tone(10,10000,100000);  
lcd.clear();  
lcd.setCursor(0,1);  
lcd.print("WARNING");  
delay(1000);  
delay(1000);  
lcd.clear();  
lcd.setCursor(0,1);  
lcd.print("GET OUT");  
delay(1000);  
delay(1000);  
}  
else  
{  
digitalWrite(2,HIGH);  
digitalWrite(4,LOW);  
noTone(10);  
lcd.clear();
```

```
lcd.setCursor(0,1);  
lcd.print("EVERYTHING IS CLEAR");  
delay(1000);  
lcd.clear();  
lcd.setCursor(0,1);  
lcd.print("SAFE NOW");  
delay(1000);  
}  
}
```