

Gas Leakage monitoring & Alerting system for Industries

Project development phase

Delivery of sprint-2

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Team ID	PNT2022TMID21596
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);  
}  
  
}
```