Gas Leakage monitoring & Alerting system for Industries

Project development phase

Delivery of sprint-1

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Team ID	PNT2022TMID33933
Project Name	Gas Leakage Monitoring And Alerting System For Industries

Program:

```
#include <LiquidCrystal.h>

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


 void setup()
 {
  pinMode(4,OUTPUT);

  pinMode(2,OUTPUT);

  pinMode(5,OUTPUT);

  pinMode(A1,INPUT);

  Serial.begin(9600);
```

```
  lcd.begin(16,2);

 }

void loop()

{

 int analogValue = analogRead(A1);

 Serial.print(analogValue);

 if(analogValue>500)

 {

  digitalWrite(4,HIGH);

  digitalWrite(2,LOW);

  tone(5,10000,100000);

  lcd.clear();

  lcd.setCursor(0,1);

  lcd.print("WARNING");

  delay(1000);

  lcd.clear();

  lcd.setCursor(0,1);

  lcd.print("GET OUT");

  delay(1000);

 }
```

```
  else
  {
    digitalWrite(2,HIGH);
    digitalWrite(4,LOW);
    noTone(5);
    lcd.clear();
    lcd.setCursor(0,1);
    lcd.print("EVERYTHING IS CLEAR");
    delay(1000);
  }
}
```