Gas Leakage monitoring & Alerting system for Industries

**Project development phase**

**Delivery of sprint-2**

|  |  |
| --- | --- |
| **Date** | **5 November 2022** |
| **Team ID** | **PNT2022TMID34760** |
| **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);

}

}