

Gas Leakage monitoring & Alerting system for Industries

Project development phase

Delivery of sprint-2

Team ID	PNT2022TMID27193
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
```

```
T);
```

```
pinMode(4,OUTPUT
```

T);

pinMode(10,OUTPUT)

;

pinMode(3,OUTPU

T);

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(10,10000,1000  
00);  
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);  
}  
}
```