FINAL CODE

Team ID : PNT2022TMID52179

Project Name : GAS LEAKAGE MONITORING AND ALERTING SYSTEM FOR INDUSTRIES

CODE:

```
#include <LiquidCrystal.h>

LiquidCrystal lcd(5,6,8,9,10,11);

//pin variables



int buzzer = 4;

int sensor = A0;

int sensorThresh = 400;

 void setup()

 {



  pinMode(buzzer,OUTPUT);

  pinMode(sensor,INPUT);

  Serial.begin(9600);

  lcd.begin(16,2);

 }

void loop()

{

 int analogValue = analogRead(sensor);

 Serial.print(analogValue);
```

```cpp
  //gas concenteration condition
  if(analogValue>sensorThresh)
  {


    tone(buzzer,1000,10000);
    lcd.clear();
    //to print on LCD
    lcd.setCursor(0,1);
    lcd.print("ALERT");
    delay(1000);
    lcd.clear();
    lcd.setCursor(0,1);
    lcd.print("EVACUATE");
    delay(1000);
  }
  else
  {


    noTone(buzzer);
    lcd.clear();
    lcd.setCursor(0,1);
    lcd.print("ALL CLEAR");
    delay(1000);
}
}
```