

Date	19 September 2022
Team ID	PNT2022TMID26645
Project Name	Project -Gas Leakage Management System
Maximum Marks	2 Marks

### CODE:

```
#include <LiquidCrystal.h>

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

int redled = 2; int greenled = 3;

int buzzer = 4; int sensor = A0;

int sensorThresh = 400; void
setup()
{
  pinMode(redled, OUTPUT);
  pinMode(greenled, OUTPUT);
  pinMode(buzzer, OUTPUT);
  pinMode(sensor, INPUT);
  Serial.begin(9600);
  lcd.begin(16,2);
}

void loop()
{
  int analogValue = analogRead(sensor);
  Serial.print(analogValue);
  if(analogValue>sensorThresh)
```

```
{ digitalWrite(redled,1);  
  digitalWrite(greenled,0);  
  tone(buzzer,1000,10000);  
  lcd.clear(); lcd.setCursor(0,1);  
  lcd.print("ALERT");  
  delay(1000); lcd.clear();  
  lcd.setCursor(0,1);  
  lcd.print("EVACUATE");  
  delay(1000);  
}  
else  
{  
  digitalWrite(greenled,1);  
  digitalWrite(redled,0);  
  noTone(buzzer);  
  lcd.clear();  
  lcd.setCursor(0,0);  
  lcd.print("SAFE");  
  delay(1000);  
  lcd.clear();  
  lcd.setCursor(0,1);  
  lcd.print("ALL CLEAR");  
  delay(1000);  
}  
}
```