TEAM ID	PNT2022TMID50064
Project Name	Hazardous area monitoring for industrial plants powered by IOT

PROJECT DEVELOPMENT PHASEDELIVERY OF SPRINT-2

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,HIGH);
digitalWrite(greenled,LOW);
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,HIGH)
    ;digitalWrite(redled,LOW);
    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);
  }
 }
```