

Date	10 November 2022
Team ID	PNT2022TMID39391
Project Name	Gas Leakage Monitoring And Alerting System

```
int LED = A1;    //Red LED
int LED1 = A3;   //Green LED
int gas_pin = A0; // For Gas
Sensor
int buzzer_pin = A2; // For
Buzzer
```

```
void setup()
{
  Serial.begin(9600);
  pinMode (buzzer_pin,
OUTPUT);
  pinMode (gas_pin, INPUT);
}
```

```
void loop() {
  float
```

```
sensorValue,gas_pin;  
    sensorValue =  
analogRead(gas_pin); // read  
analog input pin 0
```

```
if(sensorValue >= 300)  
{  
    digitalWrite(LED,HIGH);  
    digitalWrite(LED1,LOW);  
  
    digitalWrite (buzzer_pin,  
HIGH);  
    //Serial.println();  
    Serial.print(sensorValue);  
    Serial.println(" |SMOKE  
DETECTED|");  
}
```

```
else  
{  
    digitalWrite(LED,LOW);  
    digitalWrite(LED1,HIGH);
```

```
    digitalWrite (buzzer_pin,  
LOW);  
    Serial.println();  
    Serial.println("Sensor Value:  
");  
    Serial.print(sensorValue);  
    //Serial.print(" |Safe  
Mode|");  
}  
  
delay(1000);  
  
}
```