## **Final Code**

Team Id	PNT2022TMID13299
<b>Project Name</b>	Gas Leakage Monitoring and Alerting System

## **Code:**

```
int redLed = 13;
int greenLed = 12;
int yelloled = 9;
int buzzer = 11;
int smokeA0 = A0;
void setup()
 pinMode(redLed, OUTPUT);
 pinMode(greenLed, OUTPUT);
 pinMode(yelloled, OUTPUT);
 pinMode(buzzer, OUTPUT);
 pinMode(smokeA0, INPUT);
 Serial.begin(9600);
}
void loop()
 int analogSensor = analogRead(smokeA0);
 Serial.print("Gas Level: ");
 Serial.println(analogSensor);
```

```
if (analogSensor > 682 && analogSensor < 719)
  digitalWrite(yelloled, HIGH);
  digitalWrite(greenLed, LOW);
  digitalWrite(redLed, LOW);
  tone(buzzer, 3000, 200);
else if(analogSensor > 720)
  digitalWrite(redLed, HIGH);
  digitalWrite(greenLed, LOW);
  digitalWrite(yelloled, LOW);
  tone(buzzer, 1000, 200);
 }
else
  digitalWrite(redLed, LOW);
  digitalWrite(greenLed, HIGH);
  digitalWrite(yelloled, LOW);
  noTone(buzzer);
  delay(100);
}
```





