

Gas leakage monitoring and alerting system using IOT

Coding:

```
int buzz=8;

int led = 13;

int sensor = 2;

int state = LOW;

int val = 0;


void setup() {
    pinMode(led, OUTPUT);
    pinMode(sensor, INPUT);
    pinMode(buzz,OUTPUT);
    Serial.begin(9600);
}


void loop(){
    val = digitalRead(sensor);
    if (val == HIGH) {
        digitalWrite(led, HIGH);
        digitalWrite(buzz,HIGH);
        delay(1000);

        if (state == LOW) {
            Serial.println("Motion detected!");
            state = HIGH;
        }
    }
    else {
        digitalWrite(led, LOW);
```

```
digitalWrite(buzz,LOW);
```

```
delay(1000);
```

```
if (state == HIGH){
```

```
    Serial.println("Motion stopped!");
```

```
    state = LOW;
```

```
}
```

```
}
```

```
}
```

Diagram:

