

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:

