

NALAIYA THIRAN
GAS LEAKAGE MONITORING AND ALERTING
SYSTEM FOR INDUSTRIES - ASSIGNMENT 1

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SMART HOME

Whenever the temperature will be raised, led glow, buzzer makes sound, and door will open (servo motor)

COMPONENT REQUIRED:

- ❖ Arduino Uno
- ❖ Piezo Buzzer
- ❖ LED and Resistor
- ❖ Temperature Sensor
- ❖ Servo Motor

CODE:

```
#include<Servo.h>

Servo s;

void setup()
{
    s.attach(3);
    pinMode(13,OUTPUT);
    pinMode(12,OUTPUT);
}

void loop()
{
```

```

s.write(0);
digitalWrite(13,0);
noTone(12);
double a=analogRead(A0);
double t=(((a/1024)*5)-0.5)*100;
if (t>25)
{
    s.write(90);
    digitalWrite(13,1);
    tone(12,1000);
}
delay(1000);
}

```

CIRCUIT DIAGRAM

