**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:**

* Piezo Buzzer
* LED and Resistor
* Temperature Sensor
* Servo Motor
* Arduino Uno

**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**

