

## ***Assignment -1***

### **Personal Assistance For Seniors Who Are Self-Reliant**

Assignment Date	08th September 2022
Student Name	Kaviyarasan.L
Student Roll Number	710119104008
Maximum Marks	2 Marks

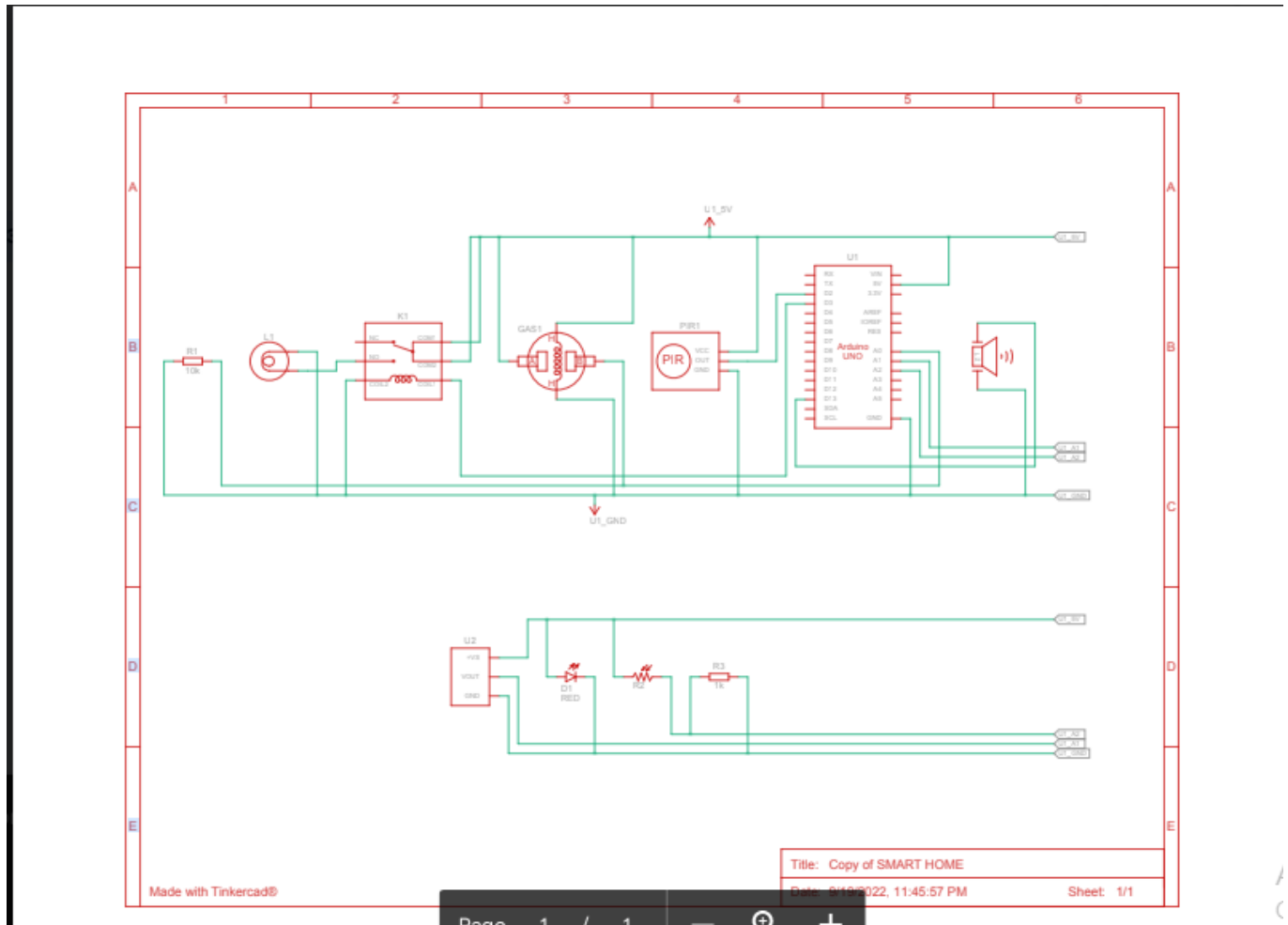
#### **OBJECTIVE:**

To improve the quality of life and convenience in the home, as well as residents safety and security.

#### **COMPONENT REQUIRED:**

Name	Quantity	Component
U1	1	Arduino Uno R3
PIR1	1	5.101209378474654 , -282.5333908957909 , -302.2762218258411 PIR Sensor
L1	1	Light bulb
K1	1	Relay SPDT
GAS1	1	Gas Sensor
R1	1	10 k $\Omega$ Resistor
U2	1	Temperature Sensor [TMP36]
R3	1	1 k $\Omega$ Resistor
R2	1	Photoresistor
PIEZO1	1	Piezo
D1	1	Red LED

## BLOCK DIAGRAM :



## SIMULATION LINK:

<https://www.tinkercad.com/things/af2f5Pnx0Jl-copy-of-smart-home/editel>

OUTPUT :

