Assignment -1

Personal Assistance For Seniors Who Are Self-Reliant

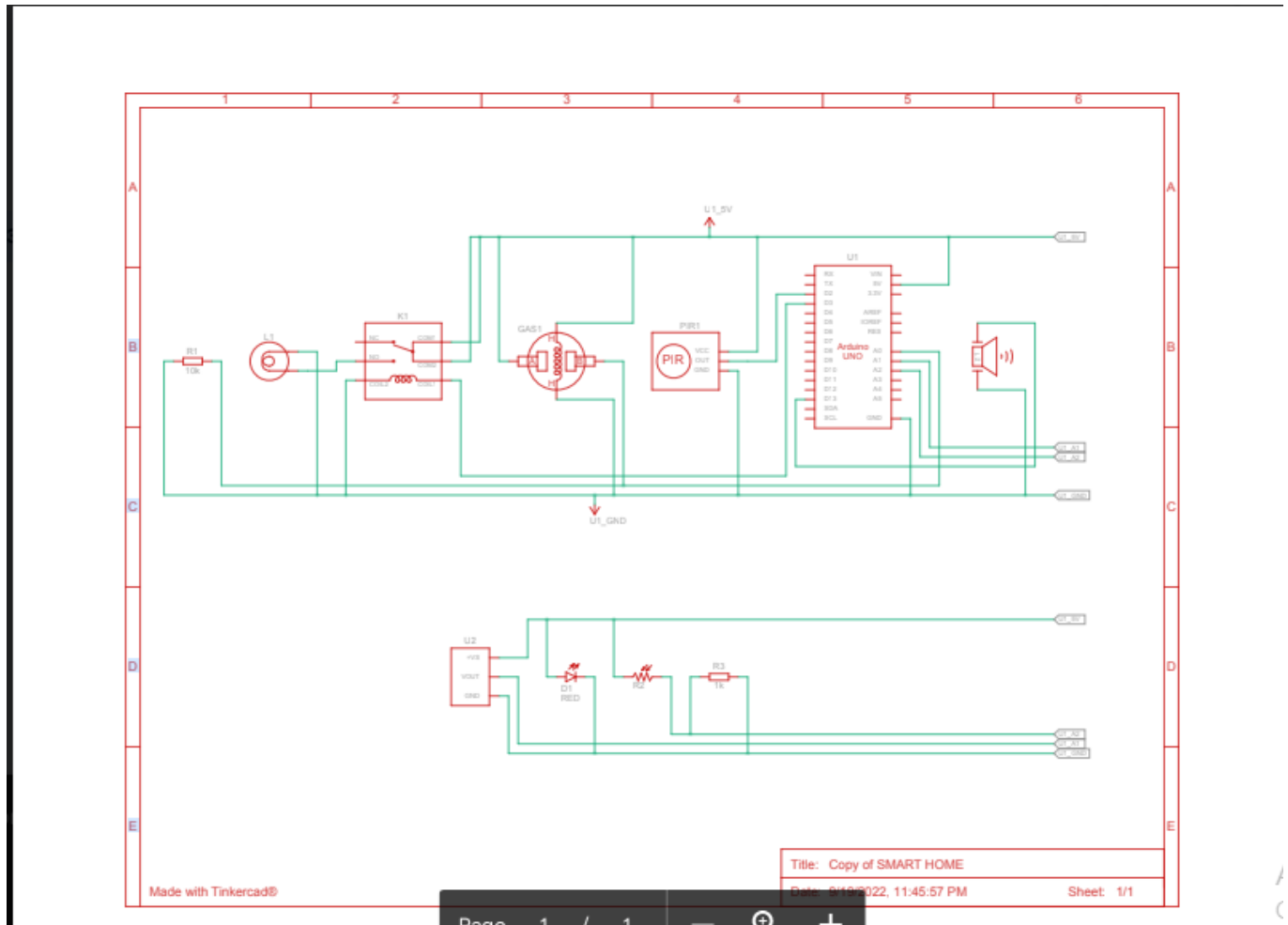| Assignment Date	08 September 2022
Student Name	Manikandan.S
Student Roll Number	710119104011
Maximum Marks	2 Marks

OBJECTIVE:

To improve the quality of life and convenience in the home, aswell 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 kΩ Resistor
U2	1	Temperature Sensor [TMP36]
R3	1	1 kΩ 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