## ASSIGNMENT – 1

DOMAIN: IOT

#### TITLE: SMART HOME

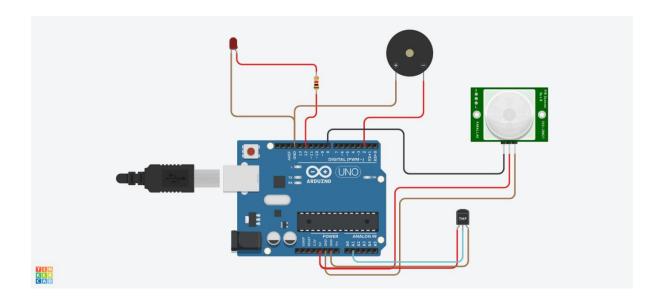
Team Leader:

1)Ajisha.k

# Team Members:

- 2) Subitha.S
- 3) Akash Margin
- 4) Sabitha.P.K

#### **SMART HOME Circuit Connection:**



## Components Used:

- 1. Arduino Uno R3
- 2. LCD
- 3. Piezo
- 4. PIR Sensor
- 5. Temperature Sensor
- 6. Capacitor

### Code:

```
void setup()
{
  pinMode(12, OUTPUT);
  pinMode(2,OUTPUT);
}

void loop()
{
```

```
int m=digitalRead(8);
double a=analogRead(A1);
double v=a/1024;
double tvolt=v*5;
double o=tvolt-0.5;
double t=0*100;
if(t>50)
{
digitalWrite(2, HIGH);
}
else
{
digitalWrite(2, LOW);
}
if(m==1)
digitalWrite(12, HIGH);
}
else
digitalWrite(12, LOW);
}
```

#### TINKERCARD LINK:

https://www.tinkercad.com/things/6YJQzcKta1S-assignment/editel?sharecode=6VLOb1OYrefeeTOiCt3wZcCO-\_UhabRdONeiEFWA82I