

## ASSIGNMENT – 1

DOMAIN : IOT

TITLE: SMART HOME

Team Leader:

1)Ajisha.k

Team Members:

2) Subitha.S

3) Akash Margin

4) Sabitha.P.K

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

```
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=o*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](https://www.tinkercad.com/things/6YJQzcKta1S-assignment/editel?sharecode=6VLOb1OYrefeeTOiCt3wZcCO-_UhabRdONeiEFWA82I)