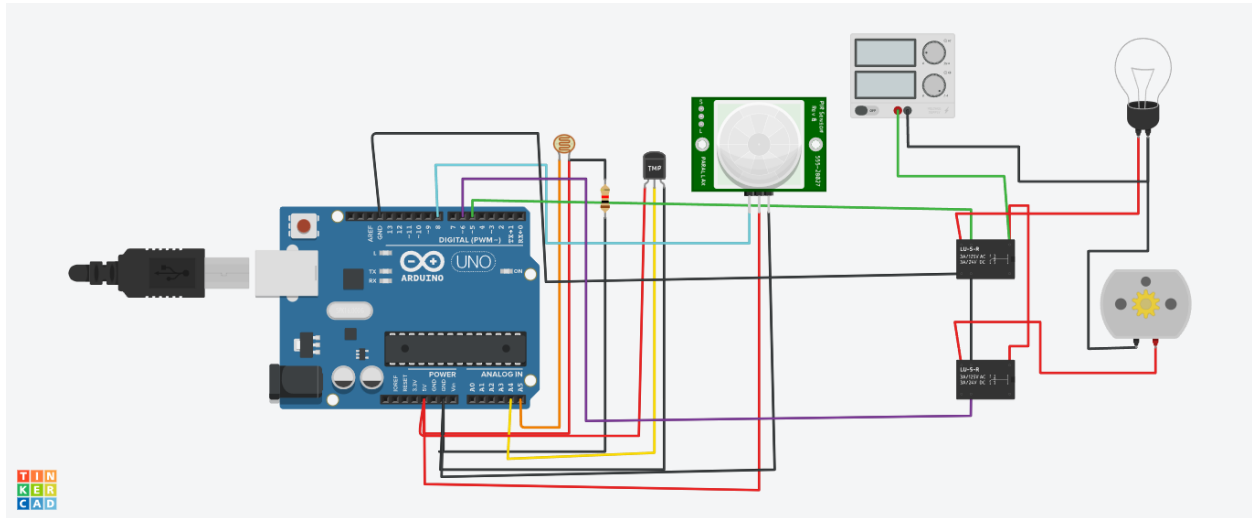


**SUBMITTED BY :BHUVANESHWARI M**

# SMART HOME AUTOMATION USING TINKERCAD

### CIRCUIT DESIGN:



**CIRCUIT CODE:**

```
float x,y,z,temp;  
void setup()  
{  
pinMode(8, INPUT);  
pinMode(5, OUTPUT)  
pinMode(6, OUTPUT)  
pinMode(A5, INPUT);
```

```
pinMode(A4, INPUT);  
Serial.begin(9600);  
}  
void loop()  
{  
    x= digitalRead(8);  
    y= analogRead(A5);  
    z= analogRead(A4);  
Serial.println(x);  
Serial.println(y);  
Serial.println(z);  
temp = (double)z / 1024;  
temp = temp * 5;  
temp = temp - 0.5;  
temp = temp * 100;  
if ( (x>0) )  
    {  
if ((y<550)&&(temp>30))  
    {
```

```
digitalWrite(5, HIGH);  
digitalWrite(6, HIGH);  
}  
else if((y<550)&&(temp<30))  
{  
digitalWrite(5, HIGH);  
digitalWrite(6, LOW);  
}  
else if((y>550)&&(temp>30))  
{  
digitalWrite(5, LOW);  
digitalWrite(6, HIGH);  
}  
else if((y>550)&&(temp<30))  
{  
digitalWrite(5, LOW);  
digitalWrite(6, LOW);  
}  
}
```

**else**

**{**

**digitalWrite(5, LOW);**

**digitalWrite(6, LOW);**

**}**

**}**