PROJECT NO: IBM-Project-29358-1660124520

## COLLEGE NAME: SRI RAMAKRISHNA COLLEGE OF ENGINEERING

## SUBMITTED BY U.RUPA

**TEAM - IBM-Project-29358-1660124520** 

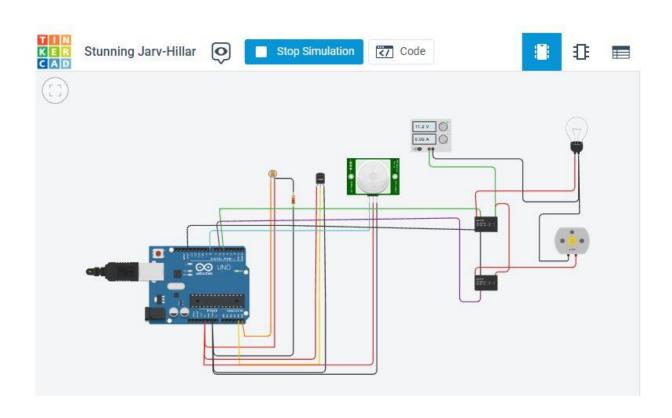
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## SMART HOME AUTOMATION USING TINKERCARD CIRCUIT DESIGN:



## **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);
}
```