

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);  
}  
}
```



Stunning Jarv-Hillar



Stop Simulation

Code

