

ROHINI COLLEGE OF ENGINEERING AND TECHNOLOGY

KANNYAKUMARI

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

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ASSIGNMENT-1

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SMART HOME AUTOMATION-TEMPERATURE CONTROLLER

CODING:

```
float temp=A0 ; float
tempC=11 ; float
tempMV=13; void
setup()
{
    pinMode(A0,INPUT);
    pinMode(11,OUTPUT);
    pinMode(13,OUTPUT);
    Serial.begin(9600);
}
void loop()
{
```

```

temp=analogRead(A0);
tempMV=temp*5000/1024;
tempC=(tempMV/10)+(-50);

Serial.println( tempC);

if(tempC>25)
{
    tone(11,5000,100);
digitalWrite(13,HIGH);

}

else

    digitalWrite(13,LOW);

}

```

