

# **VSB Engineering College, Karur-639111**

**Department of Electronics and Communication Engineering**

## **IOT Assignment**

**Topic :** Assignment on home automation using Audino

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### **Code:-**

```
void setup(  
  )  
  
  Serial.begin(9600);  
  pinMode(4, INPUT);  
  pinMode(8, OUTPUT);  
  pinMode(13, OUTPUT);  
  
}  
void loop()  
{  
  int p=digitalRead(4);  
  Serial.println(p);  
  if(p)  
  {  
    digitalWrite(13,1);  
    Serial.println("motion detected");  
  }  
  delay(1000);  
  double a=analogRead(A0);  
  double t=((a/1024)*5)-0.5)*100;  
  
  Serial.println(t);  
  if(t>25)  
  {  
    digitalWrite(8,1);
```

```
Serial.println("temperature greater than 25");  
delay(1000);  
}  
}
```

## Output:-

