

# SETHU INSTITUTE OF TECHNOLOGY

## Department of Computer Science and Engineering

### Assignment 1

#### **Topic :** Home Automation using Arduino

#### **Code:-**

```
#include <Servo.h>

Servo s;

void setup()
{ pinMode(4,
  OUTPUT); pinMode(2,
  INPUT);

  s.attach(3);
}

void loop()
{
  s.write(0);

  int pir = digitalRead(2); double a =
  analogRead(A0); double t = (((a /
  1024) * 5) - 0.5) * 100;

  if(pir){
    s.write(180);
    delay(5000);
  }

  if(t > 35)
    digitalWrite(4, 0);

  else
    digitalWrite(4, 1);
}
```

## OUTPUT:-

