**Mahendra college of engineering**

Department of Computer Science and Engineering Assignment 1

# **Topic** : Home Automation using Arduino **Name**: Vidhya A

**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:-**

