**Mahendra college of engineering**

Department of Computer Science and Engineering

Assignment 1

**Topic** : Home Automation using Arduino **Name**: Priya P

# 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:-**

