CAPE INSTITUTE OF TECHNOLOGY

LEVINGIPURAM

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

IBM NALAIYA THIRAN

ASSIGNMENT-1

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SMART HOME AUTOMATIC DOOR SENSOR

CODING:

```
#include<Servo.h>

Servo myservo;

int led=6; int

pir=2;


void setup()

{

 pinMode(pir,INPUT);

pinMode(led,OUTPUT);

myservo.attach(9);

 Serial.begin(9600);
```

```
}

void loop()
{
  int val = digitalRead(pir);
Serial.println(val);   if(val==HIGH){
digitalWrite(led,HIGH);
myservo.write(70);
 }
  else{
digitalWrite(led,LOW);
myservo.write(10);
 }
  delay(10);
```