

DMI ENGINEERING COLLEGE
ARALVAIMOZHI
DEPARTMENT OF ELECTONICS AND COMMUNICATION ENGINEERING
IBM NALAIYA THIRAN
ASSIGNMENT-1

TEAM LEADER: THREASE SOPRA

TEAM MEMBERS: RITHIKA

VINOBA ESTER

VINUSHA

PEMILA

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);
```

