**SRI KRISHNA COLLEGE OF TECHNOLOGY**

**IBM NALAIYA THIRAN**

**ASSIGNMENT-1**

**TEAM LEADER:**

NAVEEN TR

**TEAM MEMBERS:**

NITHINRAAJ J

NITHINRAJ R

KAVI S

**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);

**OUTPUT:**

