NAME : ABHINANDU THILAK

DEPARTMENT : MEDICAL ELECTRONICS

YEAR : 3RD YEAR

COLLEGE : SENGUNTHAR COLLEGE OF ENGINEERING

GROUP : GROUP-3

NM TEAM ID : NM2023TMID13573

**PROFESSIONAL READINESS FOR INNOVATION,
EMPLOYABILITY AND ENTERPRENEURSHIP**

INTERNET OF THINGS

ASSIGNMENT-1

CODE :

```
#include <Servo.h>
int Pir = 8;
int statusPir = 0;
Servo myservo;

void setup() {

  Serial.begin(9600);
  Serial.println("Smart Door");
  myservo.attach(6);
  pinMode(Pir, INPUT);

}

void loop() {

  statusPir = digitalRead(Pir);
  if(statusPir == HIGH){
  myservo.write(45);
  delay(1000);
  myservo.write(0);
  delay(1000);
  myservo.write(90);
  delay(1000);
   Serial.println("DOOR OPEN");
  }else {
   myservo.write(135);
   delay(1000);
   myservo.write(180);
   delay(1000);
   myservo.write(90);
   delay(1000);
   Serial.println("DOOR CLOSED");
  }
  delay(1000);
}
```
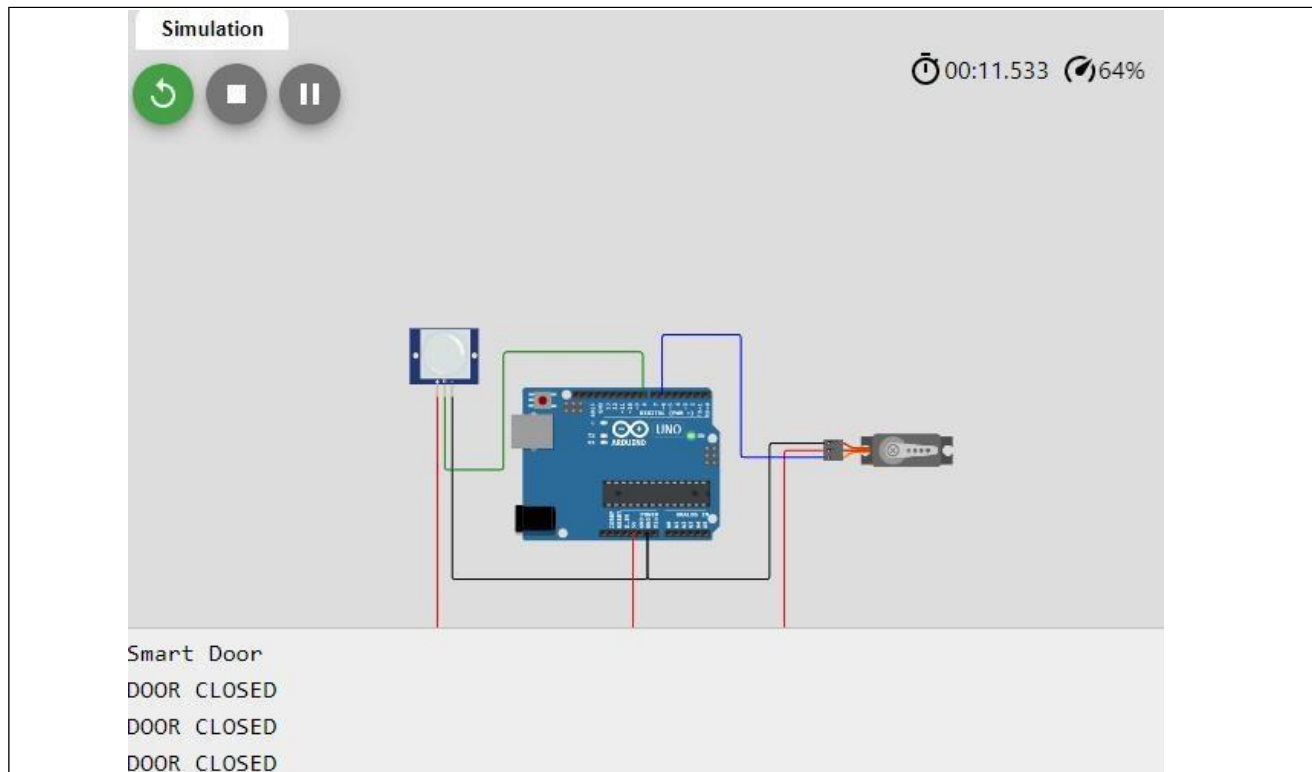
CONNECTIONS :

WOKWI CONNECTION :

TINKERCAD CONNECTION :