

Program no ____15____

1. Program Title_____smart irrigation system (Potentiometer, Servo motor shaft)._____

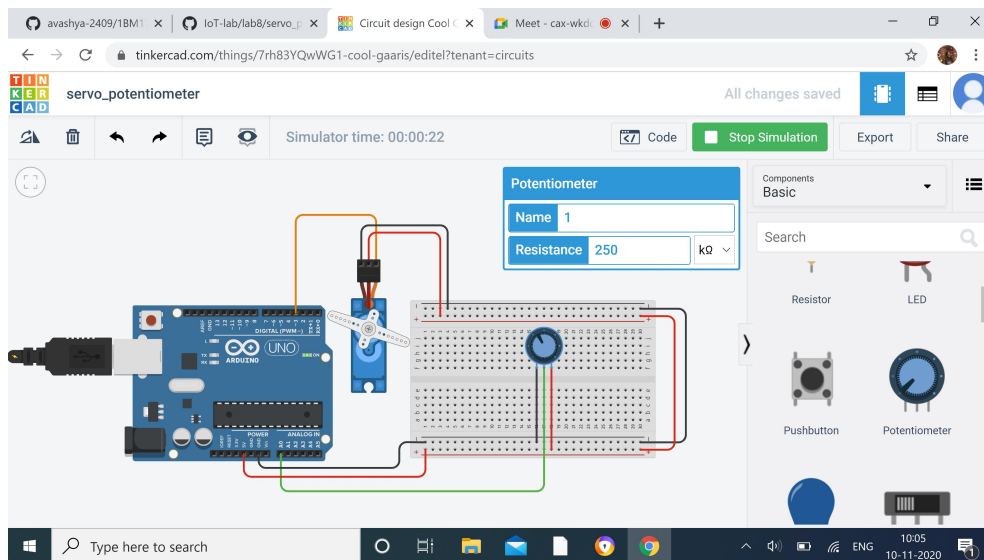
Aim:

The light Fades as the sunlight increases.

Hardware Required:

- Arduino Board
- Servo motor
- potentiometer

Circuit Diagram:



Code:

Name: K. Avashya

USN: IBM17CS034

Experiment: \rightarrow 15 Servo Potentiometer

```
#include <servo.h>
Servo myservo;
int angle = 0;
int potentiometer = A0;

void setup()
{
    myservo.attach(3);
}

void loop()
{
    angle = analogRead(potentiometer);
    angle = map(angle, 0, 1023, 0, 179);
    myservo.write(angle);
    delay(5);
}
```

Observation /Output:

Servo meter will rotate.

