

# IOT Lab - 5th Sem

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**Program No : 15 , Week : 7**

**Program Title : Smart Irrigation System**

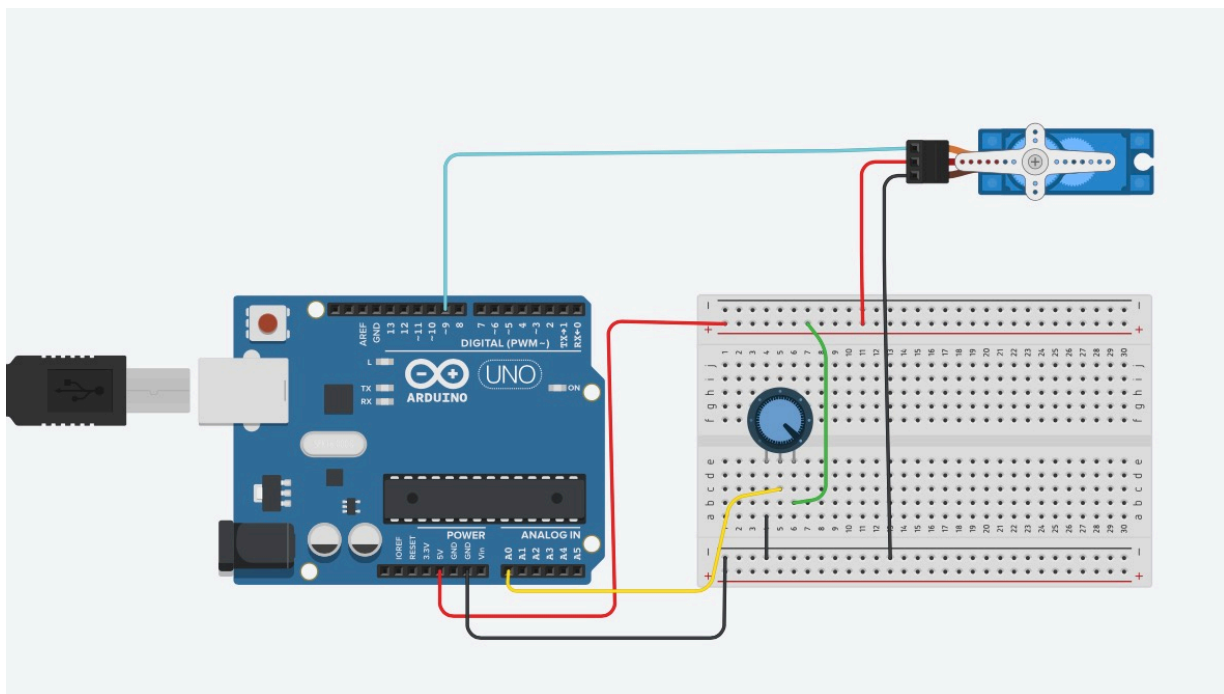
**Aim :**

Design a smart irrigation system (Potentiometer, Servo motor shaft).

## Hardware Required :

- Arduino Uno Board
- Led Bulb
- Potentiometer
- Servo Motor
- Jump wires

## Circuit Diagram :



## Written Code :

```
10 15 - servo Irrigation Rajath M.K  
IBM IPC5079  
#include <servo.h>  
  
Servo myservo;  
15  
int potpin = A0;  
int val;  
'  
void setup() {  
20     myservo.attach(9);  
}  
  
void loop() {  
    myservo.write(map(analogRead(potpin), 0, 1023, 0, 180));  
25     delay(10);  
}
```

Scanned with CamScanner

## Observation / Output :

The motor was rotated upon action on potentiometer.