Name: Shiva Praneeth Kodali

Program No. – 16

Program Title - Smart irrigation system

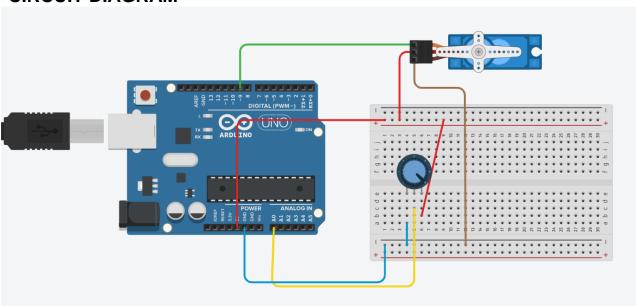
AIM

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

HARDWARES REQUIRED

- Arduino Board
- Breadboard Small
- Potentiometer
- Servo motor shaft

CIRCUIT DIAGRAM



CODE

```
#include <Servo.h>
Servo myservo;
int pos = 0;
int sensorPin = A0;
int sensorValue = 0;
void setup()
{
myservo.attach(3);
Serial.begin(9600);
}
void loop()
{
sensorValue = analogRead(sensorPin);
Serial.println (sensorValue);
if(sensorValue>500)
{
for (pos = 0; pos \le 180; pos += 1)
{
```

OUTPUT

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

