Name – Parag Gattani

Program No. – 14

Program Title – Irrigation

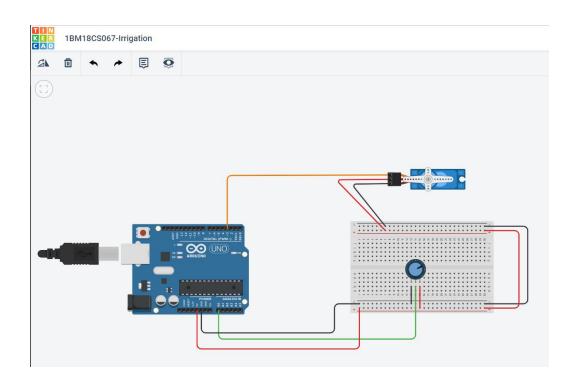
AIM

Design a display system to print the RED,BLUE and Green colors (RGB Led and LCD).

HARDWARES REQUIRED

- Arduino Board, Breadboard Small, Potentiometer
- Micro Servo

CIRCUIT DIAGRAM



WRITE-UP

	Name-Pauag Gattani
	USN-18M18CSO67
	04/11/2020
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	APm
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	Design a desplay system to prent the RED, BLUE, and GREEN Colors (RGB LED and LED)
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	Code
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)
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delay (15);
delay (1000);

CODE

```
#include <Servo.h>
Servo myservo; // create servo object to control a servo
// twelve servo objects can be created on most boards
int pos = 0; // variable to store the servo position
int sensorPin = A0; // select the input pin for the potentiometer
int sensorValue = 0; // variable to store the value coming from the
sensor
void setup() {
myservo.attach(3); // attaches the servo on pin 9 to the servo object
Serial.begin(9600);
}
void loop() {
// read the value from the sensor:
sensorValue = analogRead(sensorPin);
Serial.println (sensorValue);
if(sensorValue>500)
{
```

```
for (pos = 0; pos <= 180; pos += 1) { // goes from 0 degrees to 180
degrees
 // in steps of 1 degree
  myservo.write(pos); // tell servo to go to position in variable
'pos'
  delay(15);
                          // waits 15ms for the servo to reach the
position
}
for (pos = 180; pos >= 0; pos -= 1) { // goes from 180 degrees to 0
degrees
  myservo.write(pos); // tell servo to go to position in variable
'pos'
  delay(15);
                        // waits 15ms for the servo to reach the
position
}
}
delay (1000);
}
```

OUTPUT

Designed a display system to print the RED,BLUE and Green colors (RGB Led and LCD).