Delivery of Sprint_1

Team ID	PNT2022TMID26538
Project Name	Smart Waste Management System For
	Metropolitan Cities

CIRCUIT CODE:

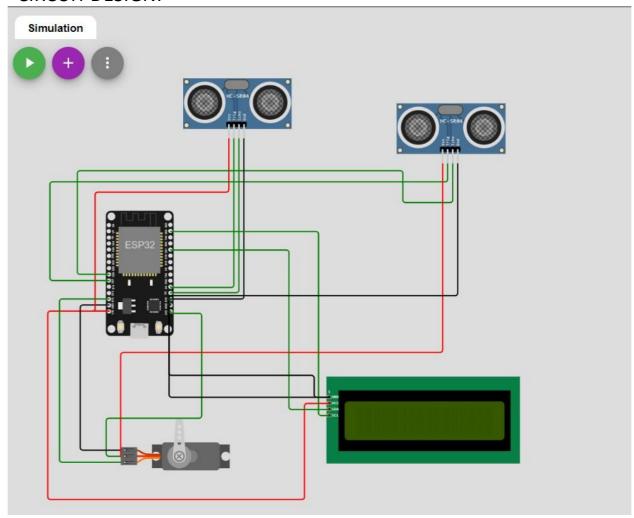
```
#include
<ESP32Se
rvo.h>
#include
<LiquidC
rystal_I
2C.h>
LiquidCrystal_I2C LCD =
LiquidCrystal_I2C(0x27, 16, 2);
Servo servo;
i
n
t

t

c
1
=
2
;
```

```
digitalWrite(trigPin2, LOW);
delayMicroseconds(2);
digitalWrite(trigPin2, HIGH);
delayMicroseconds(10);
digitalWrite(trigPin2, LOW);
duration2 = pulseIn(echoPin2, HIGH);
distance2= duration2*0.034/2;
Serial.println("The lid is closed");
LCD.setCursor(0,1);
LCD.print("Fill Status: ");
if(distance2>300 && distance2<=400){</pre>
  LCD.setCursor(12,1);
  LCD.print("25% ");
  Serial.println("Bin status:25%");
else if(distance2 > 200 && distance2<= 299){</pre>
  LCD.setCursor(12,1);
  LCD.print("50%");
  Serial.println("Bin status:50%");
else if(distance2 >50 && distance2<=199){</pre>
  LCD.setCursor(12,1);
  LCD.print("75%");
  Serial.println("Bin status:75%");
else{
  LCD.setCursor(12,1);
  LCD.print("100%");
  Serial.println("Bin status:100%");
if(distance1<=50){</pre>
  servo.write(90);
else{
  servo.write(0);
```

CIRCUIT DESIGN:



OUTPUT:

