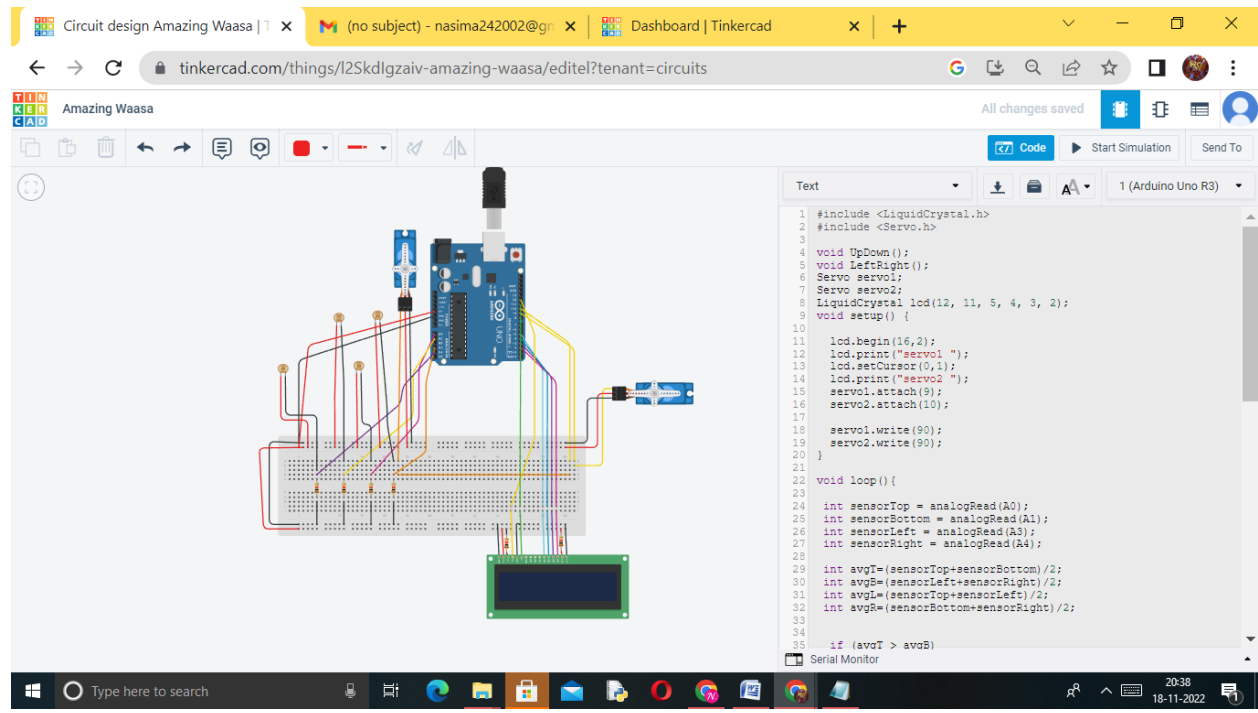
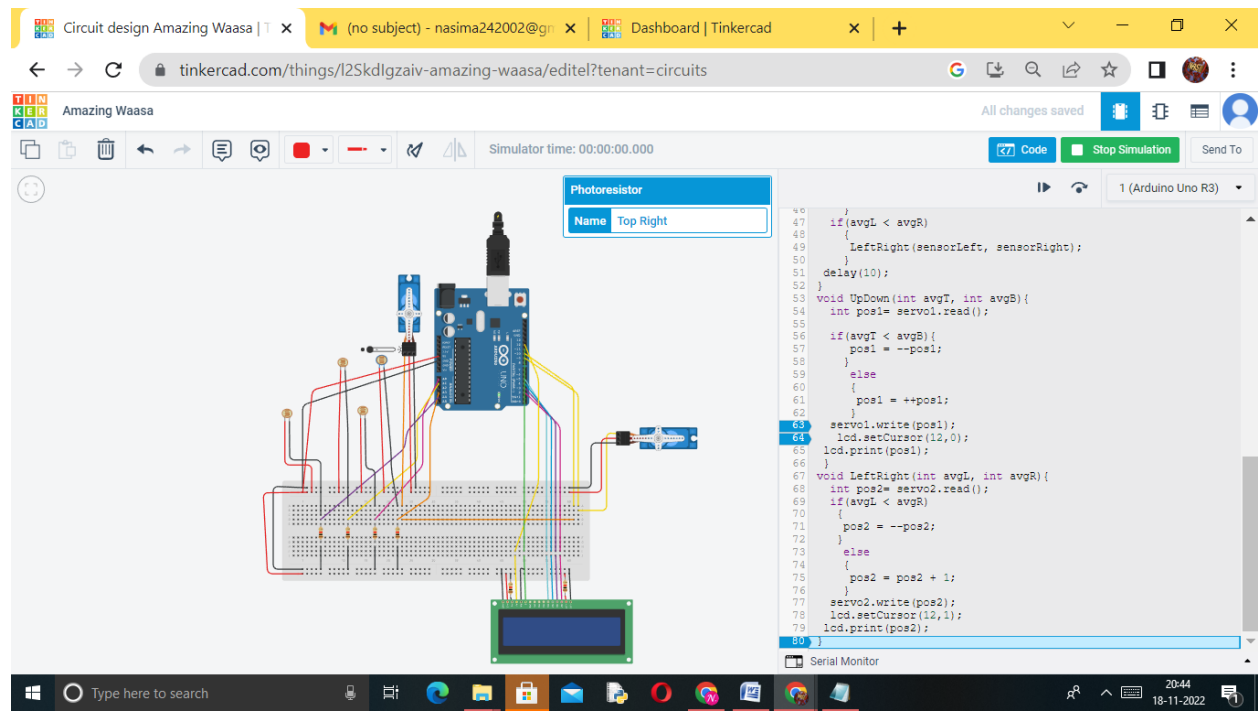


## SPRINT-1

Date	18.11.2022
TeamID	PNT2022TMID50079
ProjectName	IOT Based safety gadget for child safety monitoring and notification

### LOCATIONTRACKING:





## Coding:

```
#include <LiquidCrystal.h>
```

```
#include <Servo.h>
```

```
void UpDown();
```

```
void LeftRight();
```

```
Servo servo1;
```

```
Servo servo2;
```

```
LiquidCrystal lcd(12, 11, 5, 4, 3, 2);
```

```
void setup() {
```

```
lcd.begin(16,2);  
lcd.print("servo1 ");  
lcd.setCursor(0,1);  
lcd.print("servo2 ");  
servo1.attach(9);  
servo2.attach(10);  
  
servo1.write(90);  
servo2.write(90);  
}
```

```
void loop(){
```

```
int sensorTop = analogRead(A0);  
int sensorBottom = analogRead(A1);  
int sensorLeft = analogRead(A3);  
int sensorRight = analogRead(A4);  
  
int avgT=(sensorTop+sensorBottom)/2;  
int avgB=(sensorLeft+sensorRight)/2;
```

```
int avgL=(sensorTop+sensorLeft)/2;
```

```
int avgR=(sensorBottom+sensorRight)/2;
```

```
if (avgT > avgB)
```

```
{
```

```
    UpDown(sensorTop, sensorBottom);
```

```
}
```

```
if(avgT < avgB)
```

```
{
```

```
    UpDown(sensorTop, sensorBottom);
```

```
}
```

```
if(avgL > avgR)
```

```
{
```

```
    LeftRight(sensorLeft, sensorRight);
```

```
}
```

```
if(avgL < avgR)
```

```
{
```

```
    LeftRight(sensorLeft, sensorRight);
```

```
}
```

```
    delay(10);  
}  
void UpDown(int avgT, int avgB){  
    int pos1= servo1.read();  
  
    if(avgT < avgB){  
        pos1 = --pos1;  
    }  
    else  
    {  
        pos1 = ++pos1;  
    }  
    servo1.write(pos1);  
    lcd.setCursor(12,0);  
    lcd.print(pos1);  
}  
void LeftRight(int avgL, int avgR){  
    int pos2= servo2.read();  
    if(avgL < avgR)  
    {
```

```
    pos2 = --pos2;  
}  
    else  
    {  
        pos2 = pos2 + 1;  
    }  
    servo2.write(pos2);  
    lcd.setCursor(12,1);  
    lcd.print(pos2);  
}
```

