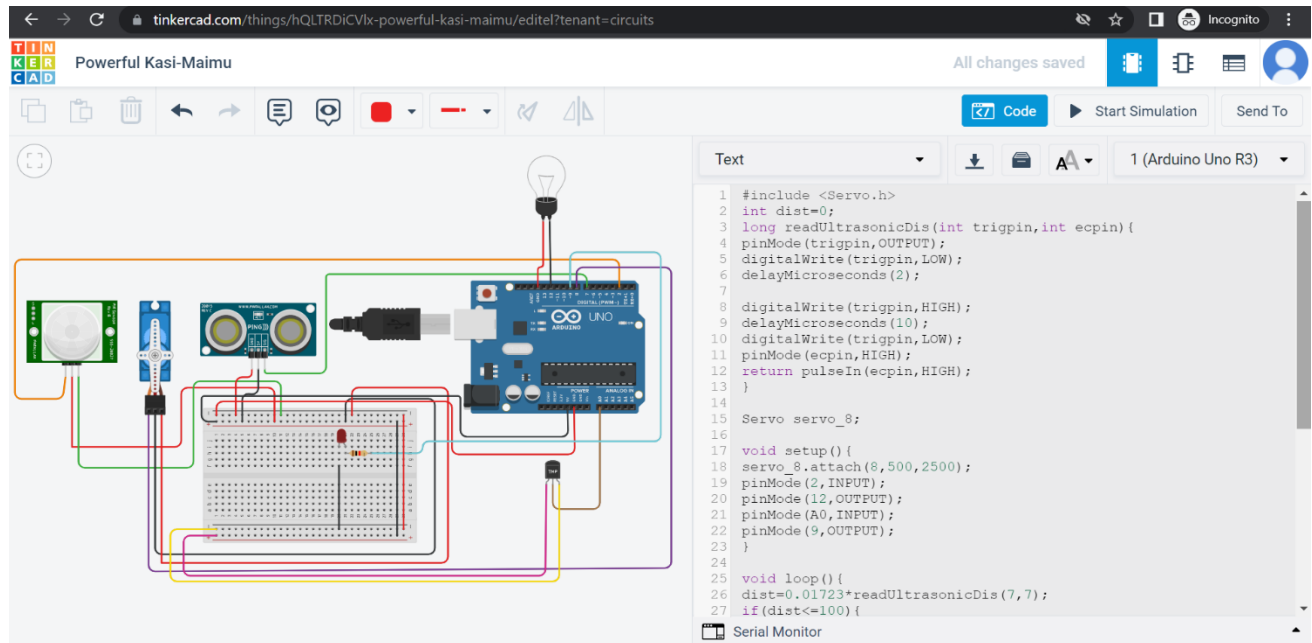


CINEHAA M

710719104026

Dr. N.G.P. INSTITUTE OF TECHNOLOGY

### Screenshot:



### Code:

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

```
int dist=0;
```

```
long readUltrasonicDis(int trigpin,int ecpin){
```

```
  pinMode(trigpin,OUTPUT);
```

```
  digitalWrite(trigpin,LOW);
```

```
  delayMicroseconds(2);
```

```
  digitalWrite(trigpin,HIGH);
```

```
  delayMicroseconds(10);
```

```
  digitalWrite(trigpin,LOW);
```

```
pinMode(ecpin,HIGH);  
return pulseIn(ecpin,HIGH);  
}
```

```
Servo servo_8;
```

```
void setup(){  
servo_8.attach(8,500,2500);  
pinMode(2,INPUT);  
pinMode(12,OUTPUT);  
pinMode(A0,INPUT);  
pinMode(9,OUTPUT);  
}
```

```
void loop(){  
dist=0.01723*readUltrasonicDis(7,7);  
if(dist<=100){  
servo_8.write(90);  
delay(2000);  
}  
if(digitalRead(2)==1){  
digitalWrite(12,HIGH);  
delay(2000);  
}  
else{  
digitalWrite(12,LOW);  
delay(2000);  
}
```

```
}  
if(analogRead(A0)>200){  
  digitalWrite(9,HIGH);  
  delay(2000);  
}  
else{  
  digitalWrite(9,LOW);  
  delay(2000);  
}  
}
```