

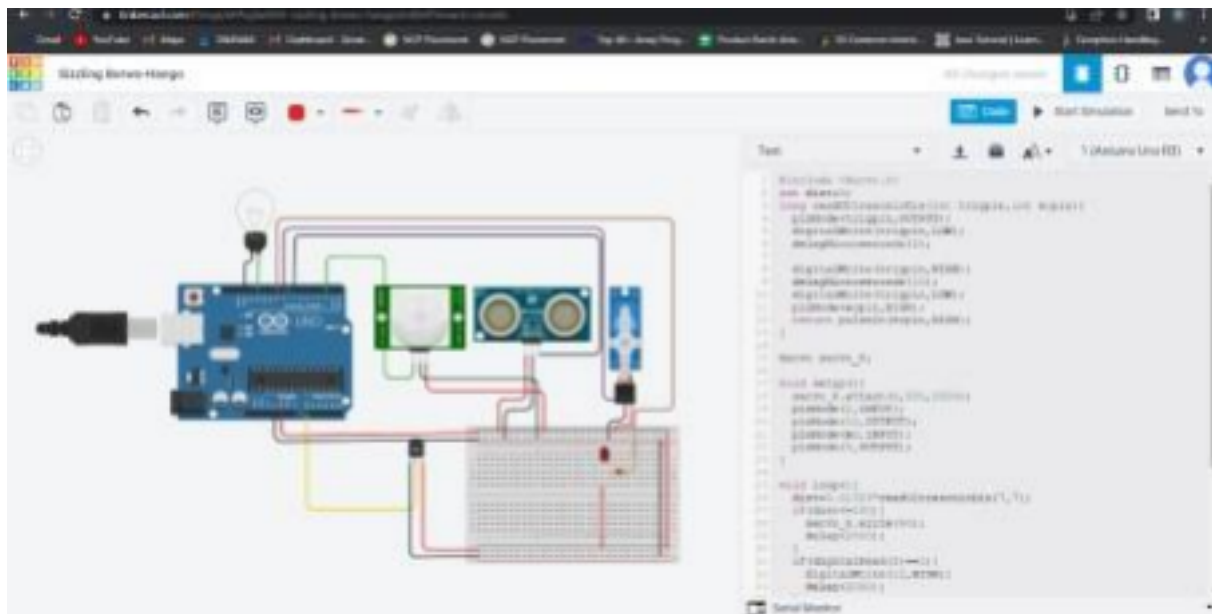
ASSIGNMENT-1

V.LOGESH

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K.S.R. COLLEGE OF ENGINEERING

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)  
  
; }  
  
}
```