

Wokwi Arduino IDE interface showing a sketch named `sketch.ino`. The code is an Arduino sketch for a distance sensor project.

```
1
2 int LED = 13;
3 int buzzer = 11;
4 int t=2;
5 int e=3;
6 int sensor = 2;
7 int state = LOW;
8 int val = 0;
9
10 void setup() {
11   // put your setup code here, to run once:
12   pinMode(LED,OUTPUT);
13   pinMode(buzzer,OUTPUT);
14   Serial.begin(9600);
15   pinMode(2,OUTPUT);
16   pinMode(3,INPUT);
17   pinMode(sensor, INPUT);
18   Serial.begin(9600);
19 }
20
21 void loop() {
22   // put your main code here, to run repeatedly:
23   digitalWrite(LED,HIGH);
24   delay(1000);
25   digitalWrite(LED,LOW);
26   delay(1000);
27   tone(buzzer,450);
28   delay(500);
29   noTone(buzzer);
30   delay(500);
31   digitalWrite(t,LOW);
32   delay(100);
33   digitalWrite(t,HIGH);
34   delayMicroseconds(10);
35   digitalWrite(t,LOW);
36   float dur=pulseIn(e,HIGH);
37   float dis=(dur* 0.0343)/2;
38   Serial.print("Distance:");
39   Serial.print(dis);
40   Serial.print("cm");
41   val = digitalRead(sensor);
```

The interface includes a top bar with the Wokwi logo, a "SAVE" button, a "SHARE" button, and a "SIGN UP" button. The bottom status bar shows the time as 1:52 PM on 5/4/2023.

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sketch.ino diagram.json Library Manager

```
35 digitalWrite(L,LOW);
36 float dur=pulseIn(e,HIGH);
37 float dis=(dur* 0.0343)/2;
38 Serial.print("Distance:");
39 Serial.print(dis);
40 Serial.print("cm");
41 val = digitalRead(sensor);
42 if (val == HIGH) {
43   delay(100);
44
45   if (state == LOW) {
46     Serial.println("Motion detected!");
47     state = HIGH;
48   }
49 } else{
50   delay(200);
51
52   if (state == HIGH){
53     Serial.println("Motion stopped!");
54     state = LOW;
55   }
56 }
57 }
58 }
```

Sim

1:53 PM 5/4/2023

Technical Training Session - Inter x (no subject) - jeyasrik2020@gmail x W Abirami.s - Wokwi Arduino and x +

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Simulation

00:00.899 50%

Restart the simulation

The image shows a Wokwi web-based simulation environment. The main workspace displays a circuit diagram with an ESP32 microcontroller at the center. It is connected to several components: a black buzzer, a red LED, a potentiometer, and a servo motor. The connections are made using a breadboard with various colored wires (red, green, black). The interface includes a 'Simulation' tab, a 'Restart the simulation' button, and a timer showing 00:00.899 at 50% completion. The top of the browser shows several open tabs, including 'Technical Training Session - Inter', '(no subject) - jeyasrik2020@gmail', and 'W Abirami.s - Wokwi Arduino and'. The bottom of the browser shows the Windows taskbar with icons for the Start menu, File Explorer, and Google Chrome, along with the system clock showing 1:49 PM on 5/4/2023.