







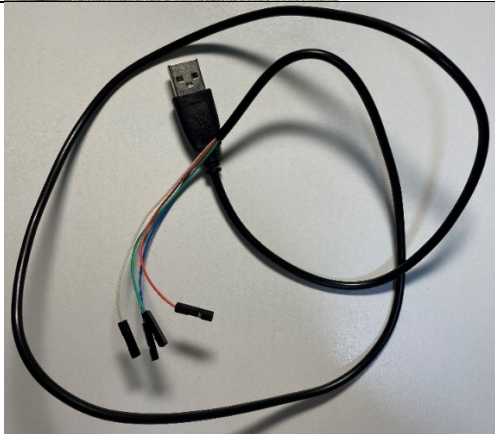

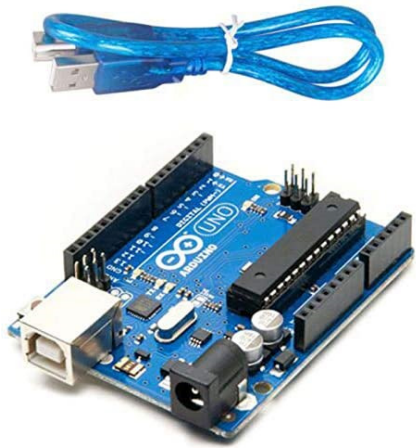
Checklist for Returning Studio Items



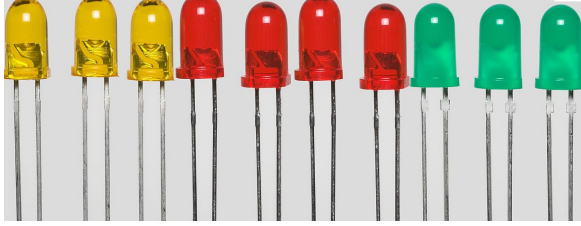


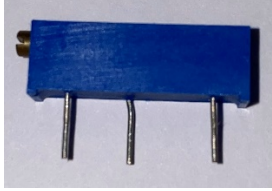

Please return latest by end of reading week (i.e., 20 Nov 2020).



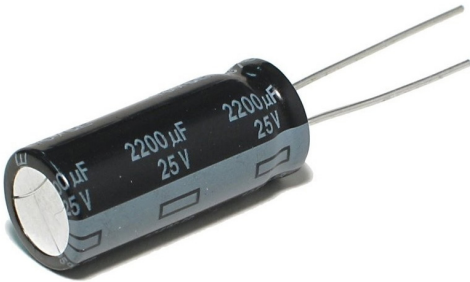


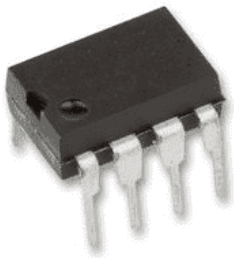
11 Nov (Wed) and 12 Nov (Thu) are suitable days as there are no classes conducted at DSA Lab.

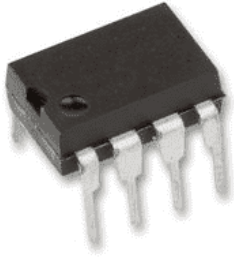
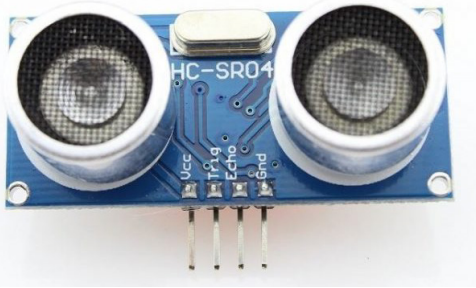

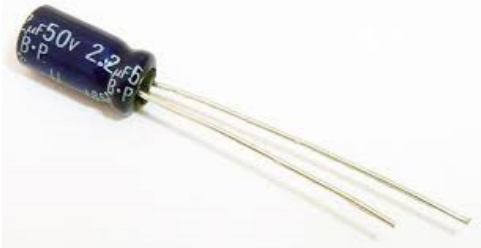
Avoid 13 Nov (Fri) as there is another module's project evaluation at DSA Lab that day.

S/N	Description	Remarks/Pictures	Comments
1	Plastic box		
2	BitScope Micro		Must have 10 probes + 1 USB cable
3	Portable digital multimeter (with black and red probes)		
4	Crocodile clip adapters for multimeter probes		

5	Regular-sized breadboard		
6	Wire-cutter/stripper		
7	USB breakout cable		
8	Multi-turn resistor trimming tool		
9	Arduino Uno R3 with USB cable		

10	Male/male ribbon wires		Return any spare wires
11	Regular circuit wires (5 small rolls)		Return any spare wires
12	10 normal LEDs of different colours		Return any spare LEDs
13	2 k-ohm variable resistor		3 units issued
14	100 k-ohm variable resistor		1 unit issued
15	Multi-turn 1 k-ohm variable resistors		4 units issued
16	Kingbright RGB LED		(throw away if damaged, else please return to reduce wastage)

17	Dome-shaped silicon cap		
18	Replacement fuse for multimeter (200 mA)		(throw away if damaged, else please return to reduce wastage)
19	2200 μ F Electrolytic capacitor		
20	Motor + wheel set		
21	L293D (Dual H-Bridge Motor Driver IC)		1 unit issued (throw away if damaged, else please return to reduce wastage)
22	LM358 (op-amp chip)		2 units issued (throw away if damaged, else please return to reduce wastage)

23	555 timer chip		1 unit issued (throw away if damaged, else please return to reduce wastage)
24	Ultrasonic Sensor – HC-SR04		
25	Microphone - AMB-713-RC		
26	2.2μF Electrolytic Capacitor		(the small size electrolytic capacitor)

mBot: Please disassemble and return all items

Other components:

- 1) 5% tolerance resistors - no need to return
- 2) Ceramic capacitors – no need to return
- 3) Diodes – no need to return
- 4) Inductor (green colour) – optional; will be good to return
- 5) Safety Goggles – no need to return, for hygiene reasons (your souvenir!)