

# List of EE Tool Set + Arduino Board Accessories

MS 101 – Makerspace

2023-24/I Autumn

# List of EE Tool Set + Arduino Board Accessories

- Digital Multimeter
- Solderless Bread board
- Wire Stripper
- Flat Screw driver (5 mm or 4 mm)
- Nose Plier (small one for general use – soldering, straightening wires etc)
- Forceps (for holding ICs and other components)
- Arduino Uno Rev 3 Board + USB
- L298 Motor Controller Board (for driving two motors)
- BO Motors (60 – 200 rpm)
- Male-to-female interconnecting wires – 4 nos



Digital Multimeter (DMM)

## Tool set for Electronics Lab



Wire Stripper



ESD angled tweezer



Solderless Breadboard



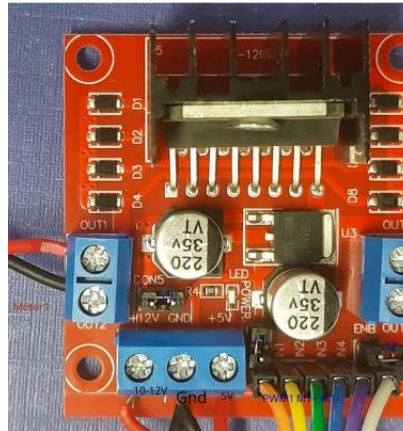
Flat Tip  
Screwdriver



Nose Plier



Arduino Uno Rev 3 + USB Cable



L298 Motor Driver



BO Motor

## A Few brand suggestions and approx. price range

- 1) DMM: Mastech MAS830L or equi. (Price range: Rs. 650 to 900)**
- 2) Solderless Breadboard: WISH/ DOAT or equi. (Rs. 150 to 250)**
- 3) Wire Stripper: Stanley/ Taparia/ Multitec or equi. (Rs. 50 to 100)**
- 4) Flat Screw driver (4 or 5 mm): Taparia/ Multitec or equi. (Rs. 70 to 90)**
- 5) Nose Plier: Taparia/Multitec or equi. (Rs 100 to 150)**
- 6) Forceps/ESD angled tweezer: Any brand, but ESD (Rs. 80 to 120)**
- 7) Arduino Uno Rev 3 board + USB cable (Rs. 600 to 840)**
- 8) L298 Motor Controller Board (Rs 150 to 200)**
- 9) BO Motors (two nos) – Rs. 150 to 200)**
- 10) Male-to-female interconnecting wires – 4 nos**

# Some Suggestions for Purchasing Tools + Arduino

- \*\* Price ranges give the approximate cost.
- \*\* Some products are available in the low-cost range (possibly fake/ low quality) and will go bad anytime (mainly in case of DMM and breadboard). So buy it carefully.
- e.g. Mastech DMM are available in the market with different manufacturer's name but with same or similar model name.
- \*\* Best place to purchase the electronics components (locally) is Lamington Road, Mumbai.
- \*\* A few known vendors at Lamington Road (Nearest local train station: Grant Road)
  - 1) Gala Electronics
  - 2) Visha Electronics (Both on the 1st floor of Kalpana Building, opp. Bhadkamkar Police station, Lamington road)
- \*\* You can also explore some other shops at Lamington road and online websites
- Online sites: Amazon, Flipkart, < <https://robu.in/>> or < <https://www.electroniccomp.com/>>
- Another supplier (Technoventor)

- **Technoventor kit (as per MS101 Tool kit)**
  - Digital Multimeter - 1
  - Bread Board - 1
  - Wire Stripper - 1
  - Flat Screw Wire (5mm or 4mm) - 1
  - Nose Pliers (small size for general use, soldering, or straightening) - 1
  - Forceps (for holding ICs and other components) - 1
  - Arduino Uno - 1
  - L298 Motor Controller Board (for driving 2 motors) - 1
  - BO Motor (60-200rpm) - 1
  - Male-to-Female Interconnecting Wire - 4 nos
- Total kit price: Rs. 1475/- (including all taxes and transportation).
- For purchasing this electronics kit contact :-
  - 1. Gaurav - 9607993974 (Lab Engi. DESE)
  - 2. Shashank - 9607993971 (Lab Engi. DESE)

