

# Purchase List

1 Kit contains the following components. Please note that we may need to attach berg strip connectors to the starred(\*)items before sending the kits.

SI No:	Item
1	Arduino Uno with cable – No Arduino coding involved. This is to learn AVR Microcontroller coding using embedded C. This can be replaced with AVR microcontroller along with a programmer.
2	NUCLEO-F401RE Development Board, STM32F401RET6 ARM MCU  (OR equivalent)
3	WeAct Studio ESP32 Development Board TYPE-C CH340K WiFi+Bluetooth Dual Core ESP32-D0WD-V3
4	1.3 Inch I2C OLED Display Module 4 Pin WHITE Or Blue*
5	ADXL345 Tripple Axis Accelerometer Board*
6	LM35 TO-92-3 Board Mount Temperature Sensors
7	TowerPro SG90 Mini Servo – 180 degree Rotation – Standard Quality
8	DC3-6V 130 DIY Toy Motor -2 Pcs.
9	Pro-range 12V 2A Power Adapter with 3.5 X 1.35mm DC Plug
10	GL-12 840 Points Solderless Breadboard

11	L293D Motor Driver Module
12	LCD1602 16x2 16 PIN Display - Yellow Backlight screen*
13	Real Time Clock DS1307 RTC I2C Module AT24C32 with Battery*
14	Male to Female Jumper Wires 40 Pin 30cm
15	Male to Male Jumper Wires 40 Pin 30cm
16	Female to Female Jumper Wires 40 Pin 30cm