

Component List (fit for 3 students per batch)

S.No.	Item	unit price	qty	total
1	Arduino Mega Boards with USB cable	3500	1	3500
2	Arduino Uno Boards with USB cable	1500	1	1500
3	Raspberry Pi Kit	8000	1	8000
4	NodeMCU ESP8266 CP2102 NodeMCU WiFi Serial Wireless Module	500	1	500
5	30+ sensor modules	2500	1	2500
6	Soldering Iron Kit (iron, paste, tape, wire etc)	700	1	700
7	PCB Sheets + Burg Stripes connectors	400	1	400
8	DC Motors (BO)	100	4	400
9	High Speed Low Torques motors	500	2	1000
10	Stepper Motor and ULN2003 Stepper Motor With Driver (Stepper Motor-Unipolar-5V)	500	2	1000
11	Bluetooth Connection Modules	450	1	450
12	Breadboards + Connecting Wires strips	350	1	350
13	Multimeters	250	1	250
14	Power Supplies	200	2	400
15	LEDS	250	1	250
16	Switches	500	1	500
17	Diodes	100	1	100
18	L293D Motor Driver Shield Expansion Board For Arduino Mega UNO Due	600	1	600
19	L298 Motor Driver Module for Arduino Avr 8051 Arm Pic Micro Controller	320	1	320
20	433Mhz Wireless RF Transmitter Receiver Board With HT12D HT12E	700	1	700
21	Relay Boards(Switching)			
22	5 V One Channel Relay Board For Arduino, ARM ,PIC, AVR	300	1	300
23	5V 10A 2 Channel Relay Module Shield for Arduino, ARM ,PIC, AVR	150	1	150
24	5V 10A 4 Channel Relay Module Shield for Arduino, ARM ,PIC, AVR	400	1	400
25	5V 10A 8 Channel Relay Module Shield for Arduino, ARM ,PIC, AVR	550	1	550
26	DC BO Motor Dual Shaft Smart Car Robot Gear for Arduino (BO Motor with Wheel Pair of 4)	600	1	600
27	SG90 Micro Servo Motor 9G RC Robot Helicopter Airplane Boat Controls	200	2	400
28	DC Geared motor (5mm shaft) 100-500 RPM Low Torque	200	4	800
29	Set of 2 DC Geared motor (5mm shaft) 30-100 RPM High Torque (12v 10 Kg-cm) + fitting wheels	1700	2	3400
30	6v DC - 12v DC Gear Motor 12V 200-1000 RPM with PWM speed controller	1000	2	2000
31	Male Plug and Female Socket Panel Mount Jack DC Connector -Pair of 5	100	1	100

32	Female DC Power Jack Supply Socket Plug Connector PCB Mount Connectors (Pack of 10)	200	1	200
33	Male Plug & Female Jack 3Pin PCB Panel Mount DC Power Connector (Pack of 10)	200	1	200
34	Switch Rocker,Slide and Push switch 4 Pcs Each	300	1	300
35	Screw driver kit	450	1	450
36	Helping Hand Magnifier Tool with Soldering Iron Stand Adjustable Alligator Clip Clamps LED	1000	1	1000
37	Voltage regulators (1.8, 3, 5, 6, 12 V, 2Amp)	250	5	1250
38	Voltage Regulator (5A, 90W, DC-DC 4.5V-35V)	350	1	350
39	PWM DC Motor Speed Controller Switch DC 20A Current Voltage Regulator DC PWM High Power Motor Driver Module with Adjustment Knob (12V 24V 36V 48V)	1900	1	1900
Total cost of equipments per student approximation				37770