BOM (Team IC2 - 151)

S.no	Part Description	Category	Quantity	Unit Cost/Rs	Total Cost/Rs	Vendor Details
1	2020 T-Slot Aluminium Extrusion (1m)	Mechanical	1.5	180	270	Pre-owned (Provided by University)
2	MDF Board 1mx1m	Mechanical	1	200	200	Pre-owned (Provided by University)
3	Kamoer Peristaltic pump	Electronics	1	700	700	Agarwal Electronics (Koti)
4	Raspberry Pi Pico	Electronics	1	328	328	Pre-owned
5	0.96'' 12C OLED Display	Electronics	1	200	200	Agarwal Electronics (Koti)
6	1Kg Load cell	Electronics	1	150	150	Agarwal Electronics (Koti)
7	MG90 Servo 9g	Electronics	2	113	226	Pre-owned
8	Nema 17 Stepper Motor	Electronics	1	474	474	Pre-owned (Provided by University)
9	Lead Screw 500mm	Mechanical	1	175	175	Pre-owned (Provided by University)
10	L289N Motor Driver	Mechanical	2	224	448	Pre-owned (Provided by University)
11	HX711 Amp Board	Electronics	1	70	70	Agarwal Electronics (Koti)
12	Pedestal for Load Cell (Plastic)	Mechanical	1	0	0	Reused Old Plastic Sheet
13	3D Printed Pinch Valve	Mechanical	2	200	400	3D Printing Vendor(Challa Tineshwar Reddy)
14	12V @ 3Amp Power Supply	Electronics	1	330	330	Pre-owned (Provided by University)
15	Tubes (IV Set)	Mechanical	3	100	300	Easy Meds (Dundigal)
16	Plastic Containers	Mechanical	4	10	40	Pre-owned (Provided by University)
17	Ball Bearing	Mechanical	1	60	60	Pre-owned (Provided by University)
18	Miscellaneous (Wires, Screws, Tapes, etc)				120	Pre-owned (Provided by University)
				Total	**4491**	