



## **Institute Innovation Cell (IIC)**

### List of Consumables in Institute Innovation Cell (IIC)

<b>S.No.</b>	<b>Description of item</b>	<b>Units procured</b>
1.	ADXL 335 Accelerometer	10
2.	Ethernet Shield for Arduino	2
3.	Arduino Lilypad	3
4.	Audio/Sound Sensor Module	10
5.	Bluetooth HC05	5
6.	OV7670 Camera Module	10
7.	Capacitive Soil Moisture Sensor	5
8.	Capacitor Box	2
9.	Capacitor 1/63	10
10.	Capacitor 10/25	10
11.	Capacitor 22/25	10
12.	Capacitor 47/25	10
13.	Capacitor 100/25	100
14.	Capacitor 220/25	10
15.	Capacitor 470/25	10
16.	Capacitor 1000/25	10
17.	Motor Driver Board L298	5
18.	5v Relay Module 2 channel	5
19.	LCD display green 16x2	10
20.	Optical Dust Sensor	4
21.	ESP32 Module	15
22.	OLED display 1.3"	1
23.	Gas Sensor MQ2	3
24.	Gas Sensor MQ6	3
25.	Gas Sensor MQ135	4
26.	Gyroscope 6050	10
27.	DHT Sensor	2
28.	IR Sensor Board	10
29.	Jumper Cables	1000
30.	LED Red	100
31.	LED Green	100
32.	LED Yellow	100

33.	LED Blue	100
34.	LED White	100
35.	Arduino Proto Shield	10
36.	OLED display 0.96"	2
37.	Finger Print Reader	5
38.	Heart Beat/Pulse Sensor	10
39.	Rain drops Sensor Module	10
40.	Resistor mixed pack/assorted	2
41.	Soil Moisture Sensor	10
42.	Stepper motor module/board	5
43.	Tilt sensor module	9
44.	Transistor BC547	10
45.	Transistor BC557	10
46.	Transistor 2N3904	10
47.	Transistor 2N3906	10
48.	Ultrasonic Sensor module	10
49.	Waterproof Ultrasonic Sensor module	4
50.	ESP32 LoLin	2
51.	3D PLA filament (White)	1
52.	3D PLA filament (Blue)	1
53.	3D PLA filament (Gold)	1
54.	Arduino R3 Uno Board	10
55.	LED Matrix 1 digit 8x8	10
56.	PIR Motion Sensor Module	10
57.	XBEE module	2
58.	XBEE Arduino Shield	2
59.	Biometric Pressure sensor BMP 280	10
60.	12v Relay Module 2 channel	8
61.	Shield for Node MCU	10
62.	Original Arduino Nano	10
63.	ATMEGA 2560 R3	2
64.	ESP 8266 Microcontroller Board	10
65.	Arduino Uno R3	10
66.	Soldering Iron	5
67.	Unbranded LED SMD Rework Station 200 W power consumption	2
68.	Wasp 2040 spitfire HT Nozzle 0.4mm	1
69.	V Slot Aluminium Extrusion 2020 (Black) Cut Length: 4 x 500 mm	2mtr
70.	V Slot Aluminium Extrusion 2040 (Black) Cut Length: 5 x 500 mm	2.5mtr
71.	Pre Insertion (SB) M5 T Slot Nut (3030)	20

72.	Steel Inner Bracket 2020 & 2040 V Slot/T Slot	4
73.	M4 - Socket Head Screw (SS) - 8mm	32
74.	Corner Bracket for V slot & T slot (2020 & 2040)	10
75.	M4 - Button Head Cap Screws - 8mm	25
76.	M4 - Socket Head Screw - 10mm	12
77.	5mm - 8mm Flexible Coupler	2
78.	Hex Allen Key 2mm	1
79.	Hex Allen Key 3mm	1
80.	Hex Allen Key 5mm	1
81.	Hex Allen Key 6mm	1
82.	Hex Allen Key 8mm	1
83.	Hex Allen Key 10mm	1
84.	Rubber Feet	4
85.	Aluminium Spacers - 6mm	10
86.	Aluminium Spacers - 9mm	10
87.	M4 - Socket Head Screw - 6mm	2
88.	8mm Metric Acme Lead Screw Cut Lenth: 500mm x 2pcs	1,tr
89.	GT 2 Pulley 20T-5mm bore for 6mm Belt	4
90.	Gates Powergrip® 2GT Belt 6mm	5
91.	Smooth Idler Pulley Kit	4
92.	Smooth Shaft - 8mm dia 500 x 5	2.5mtr
93.	F608zz Flange Bearing	2
94.	Nema 17 Stepper Motor (42CM06) - Leadshine	5
95.	Original Meanwell PSU LRS-350-24	1
96.	Flexible Nylon Braided Sleeving (3mm, Black)	2mtr
97.	Micro Switch D2F 01L - Original OMRON	6
98.	Prusa i3 Mk52 Heated Bed - 24Volts Mounting Hardware-24vThermistor: Add thermistor with wire	1
99.	Prusa i3 MK3 Y Carriage	1
100.	Prusa i3 PINDA 2	1
101.	Spring Steel Plate for Prusa i3 Mk3s Bear upgrade	1
102.	Derlin Lead Screw Nut	2
103.	1.4 MKS Gen L V1.0- Mega2560 R3 RAMPS 3D Printer Controller Board	1
104.	MKS TFT35 Touch Screen 3.5inch Display	1
105.	Complete Kit of MK8 Extruder with 0.3mm Nozzle (Assembled)	2
106.	A4988 driver Stepper Motor Driver- Good Quality	5
107.	Aluminum Heatsink for A4988 DRV8825 Stepper Motor Driver – 5Pcs	5
108.	6x4" General Purpose PCB	4

109.	6x4" PCB Copper Clad	4
110.	Lipo Charger B3	1
111.	Berg/Header Female	10
112.	Berg/Header Male	10
113.	RC522 RFID Reader Module	10
114.	USB AB Cable 12 Inch	3
115.	Arduino Nano Data Cable V3	2
116.	Jumper Cable 1F-1F	1
117.	Jumper Cable 1M-1F	1
118.	Jumper Cable 1M-1M	1
119.	Caster Wheel 3 Hole Nylon	1
120.	Lipo Battery 14500 500mA	4
121.	7805 Voltage Regulator	1
122.	L298 Motor Driver Board	2
123.	DPDT Momentary Rocker Switch	1
124.	6x6x5mm 2Pin Tact Switch	10
125.	805 SMD Capacitor	100
126.	IR Sensor Pair	10
127.	0805 SMD Resistor	300
128.	805 SMD LED	200
129.	N20 Micro Gear Motor	4
130.	Robot Wheel N20	4
131.	L Clamp for N20 Moto	4
132.	Lead Solder	1
133.	Steel Rod 4mm	6
134.	Steel Rod 2.5mm	6
135.	4988	2
136.	CNC Shield CNC	1
137.	LAZER 250MW	1
138.	LAZER 500MW	1
139.	LAZER MW	1
140.	End Stop	2
141.	Nima-17	2
142.	Pulli	2
143.	Timing Belt	3mtr
144.	F/F Jumper Wire	1
145.	Magnet	8
146.	IRFZ 44	3
147.	Heat Sink	1
148.	Power Supply	1
149.	Bearing SC10vv	8
150.	LM Soft	2

151.	Nut Bolt Washer	3.185
152.	Welding Mirror	2
153.	Fork	2
154.	Pin	2
155.	Bush	2
156.	Time To 3D Premium Multicolor PLA+ Filament Refills for 3D Printing Pen & Printers (10 Meters)  1.75 Diameter   Creative Modeling & DIY Craft   Non-Toxic & Safe for Kids & Adults-Pack of 3	2
157.	TrocShop 3D Printing Pen with LCD Display & Free 3, 1.75 mm 10 Meter Each PLA Filament Refills	2
158.	3D filament PLA 1.75 1Kg Orange	1
159.	3D filament PLA 1.75 1Kg White	1
160.	Robotbanao Micro/Mini SG90 180 Degree Rotation Servo Motor-9 Grams-For Robotics And RC Planes-Pack Of 1   B07D5TVHGK ( RB-1245-FLEX169 )	01
161.	Unbranded Sn50 Antimonial Sloders Ingot Yes	10
162.	BAKON 200 deg C to 450 deg C 12V Soldering De-soldering Station	2
163.	Raspperri Pi 3B+ 1GB (8471)	1
164.	Amazon Basics Flexible Premium HDMI Cable (B07KSMBL2H)	1
165.	Sandisc Ultra micro SD UHS-I Card 32 GB	1
166.	Raspberry Pi3 Case	1
167.	Dell Wireless Keyboard Mouse	1
168.	Power Adapter 2.4 Amp	1
169.	SD Card Reader	1
170.	1 Ply 8x4 ft	1
171.	Fevicol	0.5kg
172.	LDR Module	1
173.	TP4056 Module	1
174.	18650 3.7 2200mA Cell	2
175.	18650 2 cell holder	2
176.	Power Bank Module	1
177.	Odd Pad 2Pcs Big size Fresnel Lens & Flexible Plastic 3x Magnifying Sheet	1
178.	Electronic Spices 6V 100mA Wire attached mini power solar cells for solar panels	5
179.	Digital Meter	1
180.	HTC Instrument LX-103 Luxmeter	1
181.	RpLIDAR A1M8 360 degree Laser Range finder 6m	1

182.	Raspperri Pi (4PS Module) Model 3Pi A,B	1
183.	6mmx5m	1
184.	607	9
185.	1 length aluminium profile	1
186.	Airducom 64MP Ultra High Resolution Autofocus Raspberry Pi Camera Module	1
187.	S/S Sumt 500x500mm (Stainless Steel)	1
188.	Orange Planatery Gear Dc Motor	2
189.	Cytron Dual Channel 10A Motor Driver UNO Robot Controller	1
190.	High Quality Ultra Flexible 12AWG Silicon Wire Red	02mtr
191.	High Quality Ultra Flexible 12AWG Silicon Wire Black	02mtr
192.	Pixhawk 2.4.8 Drone flight controller px4 32 bit autopilot	01
193.	HGLRC Zeus 60A 3-65-4in1 BL Heli-32	1
194.	CNHL Black Series 5000mAh 14.8v 4s 40c Lipo Battery with charger	3
195.	APC Multirotor propeller 12x4.5mtr	1
196.	GT3520	4
197.	2 Im 4mmx2.5mm	40
198.	Oblivion Carbon Steel Professonal Tool Drill Bit Set 13Pcs	1
199.	Rpi Shop-M3 Allen CSK Screw Set of 6 size	1
200.	3k Roll Wrapper Carbon Fibre Tube	2
201.	Wire	2m
202.	Sand Paper	4
203.	Fine DLX First button holder	1
204.	Fine 3PIN Top 16A	4
205.	Fine DLX 6Pin Socket 16A	3
206.	Fine Switch DLX	4
207.	Fine Indicator	1
208.	Crompton Venti Axial Air 150mm 6"	1
209.	Fine 5pin socket 6Amp	2
210.	Orient Ex. Fan 225mm power flow	1
211.	Wire 1.5mm 30 meters	30mtr
212.	PVC Wire 4mm	31mtr
213.	Shoo 2pin	5
214.	Bell	1
215.	Orient LED 0.5w	1
216.	Switch 16Amp	4
217.	Regulator Module	2
218.	Round Sheet	1
219.	8x10 Board	1

220.	Philips Sheet 3x3 (2m)	2
221.	¾ PVC Tape Relaxo	2
222.	Heater Halogen Rod	8
223.	4" BT GIS Grinder	1
224.	4"x1m Cutting	1
225.	Pad	1
226.	Marble Pad	1
227.	Sand Paper	1
228.	TCT Blade	1
229.	4" BIT	1
230.	Battery with terminal	1
231.	Solder	1
232.	Flux	1
233.	Mipper Cutter	1
234.	Pipe 2"	10F
235.	Pipe 3"	10F
236.	LBO 3"	1
237.	LB 2"	1
238.	LBO 3x2	1
239.	T	2
240.	Solution 100ml	1
241.	Solution 200ml	1
242.	Fevikwik	1
243.	Rubbing Pad	1
244.	Iron Chip	23Kg
245.	Glass Wool	10Kg
246.	Sand paper	2m
247.	White Paint	2ltr
248.	Black paint	5ltr
249.	Primer Red oxide	3ltr
250.	Paint	200gm
251.	Brush	10
252.	Turpentine Oil	5ltr
253.	Glass 8mm	21ft
254.	Kabza Handle	1
255.	Kunda Steel Nail	350gm
256.	Nut Bolt	40
257.	Silicon	4
258.	Gutty	1
259.	Spray paint	1
260.	Mesh	2.560ft
261.	Tape Roll	15ft

262.	Fevicol Drive	1kg
263.	Steel pipe 20ft and patti	20ft
264.	Glass 8m	6ft
265.	Steel sheet	20ft
266.	Angle	38.2kg
267.	GP Sheet	14.9kg
268.	Welding Rod	3
269.	Welding Rod SS	2
270.	Cup Brush	1
271.	Relay 12v 30Amp	5
272.	Digital tem. Controller	2
273.	Trimmer 12v LED Display	2
274.	Temperature Controller Display	2
275.	Pair of Surgical gloves	4
276.	Clay	18
277.	Plier	1
278.	Nail Punch	1
279.	Nut Linen	40
280.	Power Supply	1
281.	Adapter	2
282.	Solder Wire	1
283.	SS Steel	34kg
284.	VCTIC Hickle Powder	700gm
285.	Coating	4
286.	Sample Cutting	10
287.	Rubber in wheel	1
288.	Steel Plate	2
289.	Wire 825	3.2kg
290.	Wire 625	5kg
291.	Blue Acrylic Plastic Sheet 12x12x2mm	2
292.	ATMEGA 16V2 Mega Board	2
293.	5m LAN Cable RJ45	16
294.	Mega+WiFi Board	2
295.	12V 2A Power Supply	2
296.	Mega Enclosure Box	2
297.	USB-Micro USB Cable	2
298.	Rewritable NFC Sticker Tag 13.56MHz	3
299.	125KHz RFID Coin Tag with hole	30
300.	M to F Jumper Wire	1
301.	M to M Jumper Wire	1
302.	20cmDU Color Jumper Wire	1
303.	RFID Card reader	4



304.	RFID IC Key tag	3
305.	RFID Card 13MHz	2
306.	NFC Card	6
307.	Red Electric Wire 90m	1
308.	Black Electric Wire 90m	1
309.	DC 12v Solenoid Electromagnetic Door Lock	10
310.	RC522 Reader	20
311.	12v 20A DC Power	1
312.	5x7 PCB Board	1
313.	8x12 PCB Board	1
314.	9x15 PCB Board	1
315.	PCT 223-8	1
316.	ESP01S	4
317.	4x6 PCB Board	10
318.	RJ45 Female	32
319.	12x18 PCB Board	1
320.	KTM Health NOVA PM Sensor	1
321.	ESP8266 ESP-07 remote serial Trans-receiver Module	1