



LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING

(Autonomous)

Approved by AICTE, New Delhi and Permanently Affiliated to JNTUK,
Kakinada

Accredited by NAAC "A" and NBA (ASE, CE, CSE, IT, ECE, EEE & ME)

L.B. Reddy Nagar, Mylavaram - 521 230. Andhra Pradesh. www.lbrce.ac.in



ANNEXURE -I

List of Mandatory Consumable

Sl.No	Specifications		Invoice Number
1	Vacuum Cleaner		02
2	Hot Air Gun- 5 Nos.		
3	Measuring Equipment Metal Scale etc		02
4	Fire Extinguisher		02



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5	First Aid Box			
6	Electronic Component Repository (LCR Meter, Variacetc)			
7	3D printer Filament		02	
8	Acrylic Sheets		02	
9	Foam Sheets		02	



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10	Ply Boards		02
11	Nylon Rods		02
12	Nuts		02
13	Bolts		02
14	Screws		02



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15	Washers		02
16	Adhesives-10		02
17	2Way Tapes		02
18	PVC Pipes-10		02
19	Aluminum Channels		02



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20	PCB Drill Bits			02
21	Drill Bits			02
22	Hack Saw Blades			
23	LAN Cables			



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Some Mandatory Procured Items

Sl.No	Specifications		Invoice Number
1	Arduino UNO R3		02
2	Arduino NANO		02
3	Arduino Mega		02
4	Raspberry Pi Model 4B,4GB		02



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5	ESP8266 Node MCU		02
6	ESP32 Development Board		02
7	Beaglebone Black		02
8	Voltage Regulator Module		02
9	Mini Micro submersible Water Pump		02



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10	Piezoelectric Plate		02
11	8*8 LED Matrix Module		02
12	Bluetooth Module		02
13	7 Segment LED Display		02
14	GSM/GPRS/GPS Module		02
15	Laser Module		02



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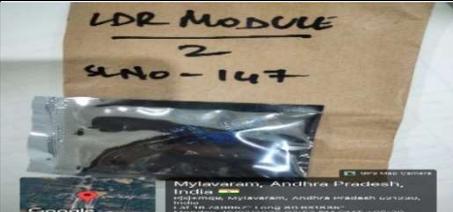
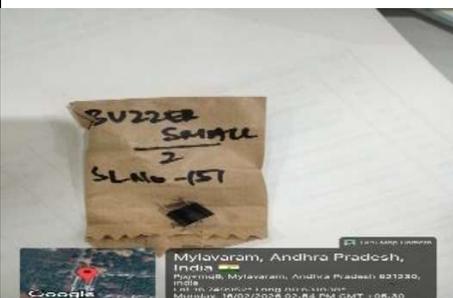
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16	LDR Module		02
17	4x4 Matrix Keypad		02
18	Joy Stick Module		02
19	Active Buzzer (BIG)		02
20	Active Buzzer (SMALL)		02



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21	Motor Driver		02
22	Sound Playback Module		02
23	BO Motors		02
24	Vibrating Motor		02
25	Capacitive Touch Switch		02



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26	IR Sensors (Obstacle Sensors)		02
27	Humidity Sensor		02
28	MQ-2		02
29	MQ-3		02
30	MQ-4		02



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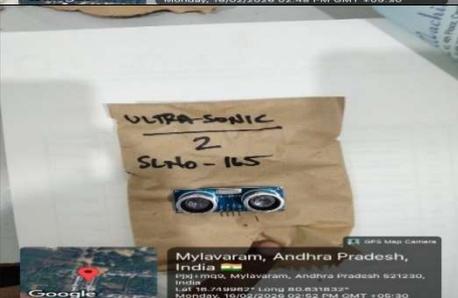
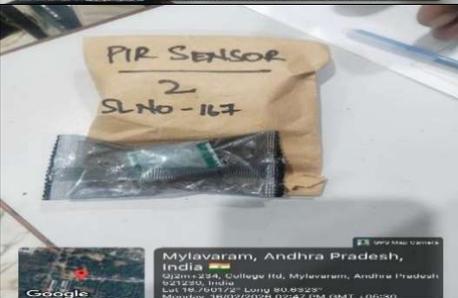
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31	MQ-5		02
32	MQ-7		02
33	Ultrasonic Sensor Module		02
34	Triple Axis accelerometer		02
35	PIR Motion Detector Module		02



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36	Pulse Rate Heart Sensor		02
37	Relay Module		02
38	Soil Moisture Sensor		02
39	Touch Sensor		02
40	Rain Drop Sensor		02



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41	Flex Sensor		02
42	Temperature Sensor		02
43	Force Pressure Sensor		02
44	Colour Recognition Sensor		02
45	Water Flow Sensor		02



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46	Sound Sensor		02
47	RFID Reader- Tags		02
48	Servo Motor 360 rotation		02
49	Servo Motor 180 rotation		02
50	Metal Gear Servo Motor (180° Rotation)		02



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51	Solder Wire 100gm		02
52	Solder Flux		02
53	830 Points Solderless Breadboard		02
54	400 Points Solderless Breadboard		02
55	Copper clad board double side		02



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56	Female to Female Breadboard Jumper			02
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Seal with Signature of
Chief Mentor/ Coordinator