



## Geethanjali College of Engineering and Technology (Autonomous)

Accredited by NAAC with A<sup>+</sup> Grade; B.Tech. CSE, EEE, ECE accredited by NBA

Sy. No: 33 & 34, Cheeryal (V), Keesara (M), Medchal District, Telangana – 501301

### LIST OF EQUIPMENTS WITH SPECIFICATIONS

Detail list of Equipment's along with technical specifications and scope of work to be followed (To sign by the Bidder):

S.No	Machines/Equipment's	Quantity
1.	CNC Laser Cutter - CO2 laser 100W 1300x900mm	1
2.	Vinyl Cutter - C24(720mm) Vinyl Cutting Plotter	1
3.	CNC Router - CNC 3 axis Wood Router 1200x1200mm	1
4.	Wood Lathe	1
5.	3D Printer (FDM basic – low range)- FDM 3D Printer 250x220x220mm	2
6.	3D Printer (FDM Single Extruder – mid range) - Delta Type 260*330mm High Speed	2
7.	3D Printer (FDM Multi Extruder – mid range) - 256x256x256mm Multi Extruder AMS	1
8.	3D Printer (DLP– mid range) - 218x123x235mm 8K Resolution	1
9.	3D Scanner (Basic Level- Low/Mid-Range) - CR- Scan Ferret 5mm-2000mm – 0.02mm Resolution	1
10.	Mini Desktop Lathe cum Milling - 3 Axis CNC Metal 350mm x 350mm	1
11.	PCB Milling Machine - PCB Milling Setup-350mm x 350mm	1
12.	Drilling Machine 1 HP motor	1
13.	Handheld High speed drilling machine- 15,000 rpm	1
114.	Bench top Grinder	1
15.	Power Tools	1
16.	Portable Welding Machine	1



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17.	Computer work station and networking - High Power CAD CAM AR VR Workstation	5
18.	Mixed Signal Oscilloscope	1
19.	Digital Storage Oscilloscope	1
20.	Signal Generator	1
21.	Variable Power Supply	2
22.	Benchtop Multimeter	2
23.	Soldering station	5
24.	Desoldering station	1
25.	Magnifying glass with Stand	2

26.	Digital Microscope	1
27.	Relay modules (Ethernet controlled relay, Bluetooth controller relay, Wi-fi controlled delay -8 channel	1
28.	GPIO module (Ethernet controlled relay, Bluetooth controller relay, Wi-fi controlled delay -8 channel	1
29.	Smart board	1
30.	Sublimation Printers	1
31.	Advanced Motorized Sewing Machine	1
32.	Refrigerator	1
33.	Normal and Microwave Oven	1
34.	Multimedia Setup	1
35.	Heavy Duty Laser Printer	1
36.	Electric Bicycle Motor & Accessories	1
37.	Granite Surface Plate (630x630x80 mm grade)	1
38.	Projector	1
39.	Quadcopter Assembly kit	1

### ELECTRONICS WORKBENCH AND PROTOTYPING WORKBENCH

1	Digital Soldering SMD Rework Station	2
2	Dual/Multi Tracking DC Power Supply DC: 0.5 to 30V	2
3	Signal Generator Frequency: 30 Mhz; Amp: 0-5 V	2
4	Digital Storage Oscilloscope:5050 100MHz, Dual CH	2
5	ESD/SMD Workstation Setup	2

### ELECTRONICS DEVELOPMENT/ROBOTICS/IOT AND SENSOR KIT

6	ARDUINO UNO R3 SMD	30
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7	ARDUINO UNO CASE ACRYLIC	30
8	USB CABLE A TO B BLUE	40
9	ARDUINO NANO CH 340	10
10	ARDUINO MEGA 2560 CLONE	10
11	ARDUINO MEGA CASE 2560	10
12	RASPBERRY PI-3 B	5
13	SANDISK MICRO SD CARD 32GB	5
14	CORD HDMI TO VGA+AUX CABLE	5
15	5V 2.4A USB ADAPTER -HYCOT+	5
16	RASPBERRY PI CASE - ACRYLIC CLEAR	5
17	BREAD BOARD 400 POINTS	30
18	BREAD BOARD MB-102	20
19	PROTOTYPING SHIELD FOR UNO	20
20	PCB KS-64 DOT 6X4	30
21	PCB KS 312T 2X3 LINE	30
22	BURG STRIP 40X1 STRAIGHT (M)	30
23	BURG STRIP 40X1 FEMALE STRAIGHT	30
24	16X2 BLUE DISPLAY WITH I2C	20
25	A TO B USB CABLE 1.5 MTR	10

26	USB CABLE MINI FOR ARDUINO NANO	10
27	BATTERY 9V RECHARGEABLE 325MHZ OZEL TECH-28%	10
28	AA, AAA, 9V CHARGER KENSONIC POWER ADAPTOR	2
29	BATTERY SNAP WITH DC PIN (9V)	40
30	0.25W RESISTOR BOX	20
31	CAPACITOR KIT ASSORTED	1
32	L 7805 REG IC ST	30
33	REG IC 7809 ST	30
34	REG IC L 7812 ST	30
35	WATER PUMP SMALL 6V	4
36	BUZZER ELEMENT 27MM	30
37	MAX 7219 DOT MATRIX MODULE	10
38	BLUETOOTH MODULE W/PIN HC 05	15
39	4 DIGIT 7SEGMENT DISPLAY MODULE TM1637	20



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40	GSM MODULE SIM 800L TTL BOARD	4
41	UBLOX NEO 6M -0- 001	4
42	LASER DIODE 6.5MM WITH PCB	10
43	LDR SENSOR MODULE	30
44	KEYPAD 4X4 MEMBRANE	10
45	JOYSTIC MODULE + KNOB	10
46	BUZZER MINI 5V IMP	40
47	BUZZER CC27 CEDICOM	40
48	MOTOR DRIVER L 293D	10
49	VOICE RECORDER MODULE ISD 1820	10
50	MOTOR BO1 150RPM	40
51	BO1 AND BO2 WHEEL NO.63	40
52	NODEMCU ESP8266 WIFI ESP-12E LUA CH340	6
53	WEMOS D1 WIFI SHIELD FOR ARDUINO	6
54	VIBRATION MOTOR SMALL	20
55	ALLIGATOR CLIPS WITH WIRE	200
56	HOOH UP WIRE 1/27 FOR ATL	4
57	JUMPER WIRE STRIP M/M (SET OF 40)	25
58	JUMPER WIRE STRIP M/F (SET OF 40)	15
59	JUMPER WIRE STRIP F/F (SET OF 40)	10
60	LED 5MM RGB 4 PIN	400
61	LED 5MM R/RED E. LIGHT	1000
62	LED 5MM G/GREEN E. LITE	1000
63	LED 5MM B/BLUE E. LIGHT	1000
64	LED 5MM Y/YELLOW E. LITE	1000
65	LED 5MM W/WHITE E. LITE	1000
66	IC NE 555 TEX	30
67	IC AT MEGA 328P U	10

68	DIODE AND TRANSISTOR KIT	3
69	SWITCH KIT	3
70	TOUCH SENSOR MODULE MPR121	20
71	TOUCH SENSOR TTP 223 (RED PCB)	10
72	IR PROXIMITY SENSOR BOARD	20
73	HMC 5883 COMPASS SENSOR	10
74	SMOKE SENSOR MQ-2 MODULE	3
75	ALCOHOL SENSOR MODULE MQ-3	3



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76	GAS SENSOR MODULE MQ-4	3
77	GAS SENSOR MODULE MQ-5	3
78	GAS SENSOR MODULE MQ-6	3
79	MQ-7 SENSOR MODULE	3
80	GAS SENSOR MODULE MQ-8	3
81	MQ-135 GAS SENSOR MODULE	3
82	BLACK SENSOR TSOP 1738	10
83	ULTRASONIC MODULE SR 04	40
84	3AXIS ACCELEROMETER ADXL335 SOLDERED	10
85	PIR SENSOR MODULE HC SR 501	20
86	PULSE SENSOR MODULE	4
87	5V 1 CHANNEL RELAY BOARD WITHOUT OPTO	20
88	5V 2 CHANNEL RELAY BOARD	20
89	SOIL MOISTURE SENSOR/HYGROMETER	6
90	TTP224 4 WAY TOUCH SENSOR MODULE	6
91	METAL SENSOR MODULE	6
92	RAIN DROP SENSOR	6
93	FLEX SENSOR 2.2 INCH	6
94	LM 35 D	6
95	HUMIDITY SENSOR DHT-11 MODULE	40
96	FORCE SENSOR 38.1MM SQUARE	4
97	COLOUR SENSOR RGB TCS34725	4
98	WATER FLOW SENSOR HZ21WA 1/2 INCH	4
99	SOUND SENSOR MODULE	10
100	IR SENSOR ARRAY 5 WAY	10
101	MOB POWER BANK 10000MAH	5
102	RF MODULE 315MHZ	10
103	ULN2003 STEPPER MOTOR DRIVER WITH MOTOR	10
104	GEAR MOTOR 12V 150RPM NEW	20
105	SERVO MOTOR MG995 (180 DEGREE)	10
106	SERVO MOTOR MG90	10
107	SERVO MOTOR MG996 (360 DEGREE)	10
108	SERVO MOTOR SG90 1.8KG	40
109	SERVO MOTOR TESTER	4



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110	MOTOR DRIVER L 298	10
111	SOUND SENSOR MODULE SMALL	10
112	BO2 MOTOR 150RPM	10
113	HUMIDITY SENSOR DHT-11	10
114	MDB 500 (ALKON MULTY DISPLAY BOARD)	3
115	ANSIO-A4 5LAYERS CUTTING MAT- GREEN/GREEN	1
116	SOLDRING IRON 25W VARTECH	4
117	SOLDRING IRON STAND SOLDRON	4
118	DESOLDRING PUMB MX-128	4
119	LEAD/TIN WIRE 50GM HYFLOW	4
120	5V 2AMP SMPS ADAPTOR	10
121	12V 2A SMPS ADAPTOR	10
122	STANLEY MULTI TESTER 66-137	1
123	DIG M.METER V MAS 830L VARTECH	5
124	FOLDSCOPE	5
125	SPIKA GUARD 5WAY AX-683A	5
126	GEMINI PENDENT HOLDER	10
127	WIRE 40/60 PLASTIC WIRE	20
128	USB TO DC PIN W/W	10
129	FIRST AID BOX SMALL	2
130	FIRE EXTINGUISHER -IS1 5683 ABC 2Kg	2
131	GOGGLES ZOOM WHITE	30
132	GLOVES COTTON SINGL DT	10
133	MASK 3M-9000	20
<b>MECHANICAL / POWER TOOLS WORKBENCH AND PROTOTYPING SETUP</b>		
1	Stanley RUBBERGRIP HACKSAW ADJST FRM, BLD254MM-10" 15-265-23 HSN: 82021010	1
2	Taparia Hacksaw Blade HBHC1224 HSN: 82029990	20
3	Stanley MINI HACKSAW 0-20-807 HSN: 82021010	1
4	Stanley PLIERS MINI NEEDLE NOSE 5" 84- 096- 23 HSN: 82032000	1



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5	Pumpkin Internal Straight Snap Ring Pliers 33563 5inch HSN: 82057000	1
6	Nose Plier (Stanley 84-101-23 152mm) HSN: 82032000	1
7	Stanley WIRE CUTTER, 130MM 5 1/4" 84- 214- 22 HSN: 82032000	1
8	Stanley 8" COMBINATION PLIER 70-461 HSN: 82032000	1
9	Tweezer (6 Pcs Set with Bag) HSN: 82032000	2
10	Pumpkin Ball Pein Hammer 29637 24oz 680g HSN: 82052000	1

11	Pumpkin Anti Slip Claw Hammer 29165 PTT- H27NS 27mm HSN: 82052000	1
12	Stanley MAXSTEEL "G" CLAMP 50MM/2" 0-83- 032	4
13	STANLEY 600W 13mm Percussion Drill SDH600- IN	1
14	Stanley 12PC DOUBLE O/E SPANNERS SET , 6X7 TO 30X32MM 70-380E HSN: 82041110	1
15	ZAC Bench Vice DRL5 Double Rib 5Inch HSN: 82057000	1
16	Stanley SCREWDRIVER SET PRECISION BI- MATERIAL 66-052 HSN: 82054000	1
17	Stanley ADJUSTABLE SPANNER, PHOSPHATE FINISH, 150MM- 6" STMT74893-8 HSN: 82041220	1
18	Stanley WIRE STRIPPER(CUTTER)-AWG12- 22, 150MM-6 84-475- 22 HSN: 82032000	5
41	Stanley PLIER CIRCLIP, BENT INTERNAL, 180MM-7" 84-447-23 HSN: 82032000	1
42	Pumpkin Internal Straight Snap Ring Pliers 33561 7inch HSN: 82057000	1



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43	Pumpkin Frankew Screw Driver Set 17205 6FK-Set HSN: 82054000	1
44	Stanley 8PCS SHALLOW OFFSET BIHEX SPANNER SET ,6X7- 20X22MM 70-394E HSN: 82041110	1
45	Stanley 23PC (6-25,27,30,32MM) 70-965E HSN: 82041110	1
46	Stanley TIN SNIPS STRAIGHT BI-MAT 250MM 2- 14-556 HSN: 82033000	1
47	Pitch Guage (Bullwark Screw Pitch Guage) HSN: 90319000	1
48	Buffalo 26 Blades Feeler Gauge Set 29-A HSN: 90173029	1
49	Pumpkin Utility Knife 12124 BA211-BL Heavy Cutz 25mm HSN: 82081000	1
50	Steel Scriber (Laser) HSN: 84679900	1
51	Spares (Stainless Steel Protector) HSN: 84679900	1
52	Osaki Stainless Steel Scale OI-SC24 24inch (30cm) HSN: 90172010	5
53	Hacksaw Blade ( 6" ) HSN: 84679900	1
54	Pumpkin Mini Hacksaw Frame 32111 PTT- JH6 6 inch HSN: 82021000	1
55	Pumpkin Hacksaw Frame 33320 PTT-3DH 12inch HSN: 82021000	1
56	Try Square (Laser 8" Angle Cut) HSN: 90171000	1
57	DEWALT 850W, 100mm Angle Grinder (Made in India) DW801- IN01 HSN: 84672100	1
58	Btali Air Compressor BT24 MAC 24L Monoblock HSN: 84148090	1
59	Impact Wrench (Hulk Impact Wrench with Socket Set) HSN: 84678990	1
60	Drill Vice (Bulwark 100mm) HSN: 82057000	1
61	Tap Wrench (1/2") HSN: 82041220	1



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62	Caliper Laser - Inside HSN: 90171000	1
63	Caliper Laser - Outside HSN: 90171000	1
64	STANLEY 2200W 355mm Chopsaw SSC22- IN HSN: 84672100	1
65	MiG 250A Welding Machine Toshweld/Aken/Clif	1
66	TiG 300A Welding Machine Toshweld/Aken/Clif	1
67	Clif Mini Bench Drill BD13A 13mm 250W 1420rpm HSN: 84672100	1
68	Caliper 12" Digital Vernier Caliper HSN: 90171000	1
69	Micrometer Outside Micrometer 0-25 HSN: 84671100	1
70	Micrometer Outside Micrometer 5-30 HSN: 84671100	1
71	Pumpkin Xtreme Sockets Set 40264 PTT- SKS25P6 HSN: 82042000	1
72	STANLEY 1320W 5" Tile Cutter STSP125-IN HSN: 84615019	1
73	STANLEY 4V Screwdriver SCS4K-B1 HSN: 84672100	1
74	DEWALT 10.8V, 1.3Ah, 10mm, Drill Driver (with 109 PCs Accessory Kit) DCD700C2A- IN HSN: 84672100	1
75	Bosch Drill Kit GSB 600 RE KIT HSN: 84672100	1
76	STANLEY 1/2 HP Bench Grinder STGB3715-IN HSN: 84672100	1
77	STANLEY 1300W 180mm Polisher SP137- IN HSN: 84672900	1
78	STANLEY 750W 2mm Planer STPP7502-IN HSN: 84659990	1
79	STANLEY 1800W 10-inch Table Saw SST1801-B1 HSN: 84615019	1
80	Stanley HEAVY DUTY BI-MATERIAL HANDSAW 15(380MM) STHT20373-LA HSN: 84679900	1
81	Stanley SHEARS-PRUNING BYPASS 8INCH 14- 302-23 HSN: 82033000	1
82	DEWALT 500W Jigsaw, 800-3100spm,	1



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	20mm stroke length, 2.7Kgs DWE349-IN HSN: 84615019	
83	Ingo HT Spray Gun ASG4041 400cc HSN: 84242000	1
84	Osaki Air Hose 8mm PVC Nylon Braided HSN: 39173100	3
85	CABLE TIE 100MM SURELOCK	1000
86	CABLE TIE 150MM SURELOCK	500
87	CABLE TIE 200MM SURELOCK	100
88	WATER PAPER BULLET	50
89	SPIRIT LEVEL B&D 16" BDHT43188	1
90	GLUE STICK	100
91	Accessories, Consumables and Safety Equipment's	1