



Bharati Vidyapeeth (Deemed to be University), Pune
College of Engineering Pune 411 043



Ref: BVVUCG/2035/2025-26

Date: 05/09/2025

Tender Notice

Sealed/Online tenders are invited from reputed and experienced suppliers, manufacturers, or authorized distributors for the supply, installation, and commissioning of equipment, tools, and machines for setting up an AICTE IDEA Lab at our institute. The laboratory is to be developed as per the AICTE guidelines for promoting innovation, design thinking, and prototyping skills among students and faculty. The detailed specifications of the required items are enclosed with this document.

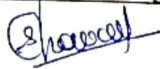
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Bharati Vidyapeeth
(Deemed to be University)
College of Engineering
Pune-Satara Road, Pune-43.

Bharati Vidyapeeth (Deemed to be University), Pune
College of Engineering Pune-411043


IDEA Lab

List of Mandatory Equipments

Sr No	Specifications of equipments	Qty	Make
1.	CO2 Laser Engraving & Cutting Machine- Laser Type: EFR Glass Tube LaserPower:100Watt(PeakPower120W)Wavelength: 10.6 μ m Supply Voltage: AC220V \pm 10% Reposition Accuracy: \pm 0.05mm Cooling:Water Cooled Work Environment: Temp: 00C~45.0 C. Humidity:5%~95% Acceleration Speed:1G Graphic File Support :PLT,CDR, AI,DWG,DXF,DST,BMP, WorkingArea:4*4Feet	1	Product with at least three years warranty
2.	Vinyl Cutter & plotter with holdings and Touch screen Vinyl cutter machine 800 G material cutting force to cut card stock fabric vinyl etc. USB support	1	Product with at least three years warranty
3.	3D Printer Size 500*500*500mm , Closed type Industrial Printer, material PLA+ PETG, Technology FDL	1	Product with at least three years warranty
4.	Industrial 3D Scanner (Creality CR-Scan Lizard Premium 3D Scanner Build volume: handheld/turntable modes for small (15 \times 15 \times 15 mm) up to large objects (~2 m), single-capture range 200 \times 100 mm, working distance 150–400 mm, accuracy up to 0.05 mm, point resolution 0.1–0.2 mm, scan speed 10 fps, LED+NIR light source, visual no-marker tracking, supports turntable/handheld/hybrid scanning, true-color texture mapping via color kit, one-click CR Studio optimization (auto alignment, noise removal, topology, hole-filling), outputs STL/OBJ/PLY, portable size 155 \times 84 \times 46 mm, weight 370 g, compatible with Windows 10/64-bit & macOS, supports bright sunlight & dark/black)	1	Product with at least three years warranty
5.	CNC Router PVC, wood, ACP sheet, Acrylic Sheet, olean cutting, 2D & 3 D Curving	1	Product with at least three years warranty
6.	Mini Desk top Lathe cum Milling Mini Multi purpose desktop Lathe cum millingBuild volume (lathe between-centers) 350–550 mm depending on model, swing over bed 180–250 mm; spindle power 350–550 W, 0–2000 RPM (6-step 125–2000 RPM), MT3 taper spindle, tailstock MT2, hole-through spindle 20 mm; cross slide travel ~65–110 mm, compound travel ~55–75 mm; weight ~44–145 kg;	1	Product with at least three years warranty


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	semi-automatic AC/220 V operation; drilling capacity ~13–25 mm; optional milling head milling capacity ~16 mm; motor power 150 W–550 W;		
7.	Drilling M/C 1 HP MotorHeavyDuty13mm250Wmini bench drill machine.	1	Product with at least three years warranty
8.	BOSCH Make Handheld High-Speed Drilling M/C - 15000 RPM with accessories	1	Bosch
9.	BOSCH Make Bench top Grinder Machine Heavy Duty 350 W rated speed 3000 RPM grinding wheel 20 mm	1	Bosch
10.	Solder stations SOLDRON 936 temperature controlled analog soldering station put voltage 230 VAC, power consumption 60 W, analog temperature control, temperature range 200–480 °C	5	Product with at least three years warranty
11.	De soldering M/C (Heating Element operates on 220V AC power supply, wattage options are 30W or 40W, operating temperature up to ~300°C, heat-up time ~2 minutes 30 seconds, one-hand operation combining heating and suction, length approximately 26 cm)	1	Product with at least three years warranty
12.	USHA/SINGER Make Advance motorized Sewing Machine Singer M3505 Professional Sewing Machine, electric, 220–240V AC, 85W power, 32–34 built-in stitches, 1-step automatic buttonhole, adjustable stitch width up to 6 mm, length up to 4 mm, 750 stitches/min speed, automatic needle threader, built-in thread cutter, front-loading bobbin, extra-high presser foot lift, snap-on feet	1	USHA/SINGER Make
13.	Mini Bench Wood Lathe VOLTZ MCS450 - Wood Lathe Power Wood Turning Lathe 230 V ~50 Hz, 550 W motor (S2 15 min), cast-iron frame, max between-centres 450 mm, 75 mm disc diameter, 5 spindle speeds (760/1100/1600/2200/3200 RPM), bed height 200 mm, cable length ~850 mm, dimensions ~750×200×380 mm, weight ~32–35 kg, variable belt-adjustment speed control, soft-start low-noise operation, suitable for sanding/polishing/turning	1	Product with at least three years warranty
14.	Power Tools (Random Orbit Sander, Straight Grinder, Planer, Angle Grinder 4", Mitre Saw, Table Saw, Power Router, Power Toolkit, Allen key set 10 PC, Meter Tape 30m, Long Nose plier, Diagonal Cutting Pliers, 7", Circlip bent, Punch set, PVC Pipe cutter,	1	BOSCH

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15.	Portable Welding M/c iBELL/ESAB Make Portable Welding M/C 6.1 KW, Max current 220	1	Product with at least three years warranty
16.	Refrigerator Whirlpool/HAIER/SAMSUNG Refrigerator 185 Lit Single Door	1	Product with at least three years warranty
17.	Normal and Microwave Oven LG Make Microwave Oven 25ltr	1	Product with at least three years warranty
18.	Magnifying Glass with Stand -2 No. Desktop LED Lighted Magnifying Glass 2.5X 7.5X 10X	2	Product with at least three years warranty
19.	Digital Microscope MLX-BPLUS Digital Microscope with HWF 10X paired eyepieces	1	Product with at least three years warranty
20.	Mixed Signal Oscilloscope Tektronix Make MSO-22 70 MHz Mixed Signal Oscilloscope	1	Product with at least three years warranty
21.	Digital Storage Oscilloscope, Tektronix Make TBS 1072C 70 MHz	1	Product with at least three years warranty
22.	Signal Generator, FG-2010 10MHz	1	Product with at least three years warranty
23.	Variable Power Supply, DC-3002II Dual power Supply 0-30v, 2A	1	Product with at least three years warranty
24.	Bench top Multi meter, DM-8045R	1	Product with at least three years warranty
25.	PCB Milling Machine (Desktop PCB Milling Machine Operating Speed: 6 – 1,800mm/min (0.24 – 70.87 inches/min), Software Resolution: 0.01 mm/step (RML-1 mode); 0.001 mm/step (NC code mode) Mechanical Resolution: 0.000998594 mm/step Spindle Motor: DC motor, maximum 4,500 rpm Inter face: USB, Power Requirements: DC 19V)	1	Product with at least three years warranty
26.	Projector, EPSON Projector Brightness 3300 LM with HDMI Port connectivity technology : VGA, USB & HDMI	1	Product with at least three years warranty
27.	Heavy Duty Laser Printer, HP Make Heavy Duty Laser Printer Connectivity Technology : USB, Wifi, Expandable Laser printer	1	Product with at least three years warranty
28.	Smart Board Interactive flat panel / touch LED/ Android 11oS / 4 K resolution/ Multi touch 65 Inch	1	Product with at least three years warranty
29.	Computer Workstation in networking-5Nos Workstation, Intel CPU :- Core i5 – 13th Gen 13500 (24 MB cache, 14 cores, 20 threads), RAM Memory :- 16 GB (8 x 2 GB RamDDR IV), Hard Disk :- 512GB M.2 PCIE NVME SSD & 1 TB SATA HDD, Graphic Card :- 2 GB Graphic Card Add on, Preloaded OS :- DOS	05	Product with at least three years warranty


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List of Mandatory Consumables

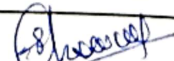
Sr No	Name of equipments	Specifications	Make	Qty
1	Vacuum cleaner	Forbes 20ltrs Dry and Wet	Eureka Forbes	1
2	Hot Air Gun	BoschGHG180PlasticHeatGun,Blue,1Pc	Bosch	5
3	Vernier Caliper	Vernier caliper swith large LCD screen electronic vernier caliper thickness measuring Tool 0-6 in/0- 150 mm auto off featured. (a-150mm)	Standard Very Good Quality	2
4	Fire Extinguisher (ABC Type)	ABC Powder Type 2 Kg Fire Extinguisher (Red)	Very Good Quality	4
5	FirstAidKit	First Aid KitWillAllItems Inside Plastic Box	Very Good Quality	2
6	Digital Multimeter	TH-M98 Digital Multimeter Power Source Battery Powered Style Multimeter Colour black ItemWeight220Grams	Very Good Quality	5
7	Clothes Iron	1000w	Very Good Quality	3
8	LCR Meter	Key specifications include Basic Accuracy (e.g., 0.01%), Measurement Frequency (e.g., 20 Hz to 2 MHz), Inductance Range (e.g., 2 mH to 20 H), Capacitance Range (e.g., 2 nF to 600 μ F)	Very Good Quality	1
8	Variac/Dimmerstat	Variac/Dimmerstat/Auto transformer Single Phase 0-270V 8 Ampere Open Type	Very Good Quality	1
9	3D Printer Filament ABS 1.75 mm	Sandard size 2 rolls of filaments	Very Good Quality	2

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10	Acrylic Sheet	Acrylic Sheet bundle of 3mm, 8ft x 4ft 4mm, 8ft x 4ft 5mm, 8ft x 4ft	Very Good Quality	2
11	Foam Sheet	PVC Foam Sheet bundle of 8mm, 8ft x 4ft 10mm, 8ft x 4ft 12mm, 8ft x 4ft 15mm, 8ft x 4ft	Very Good Quality	2
12	Ply Board	Bundle of Ply board moisture resistant 8mm, 8ft x 4ft 10mm, 8ft x 4ft 12mm, 8ft x 4ft 15mm, 8ft x 4ft	Very Good Quality	2
13	Nylon Rods	12mm, 15mm, 18mm, 25mm (length 1 meter)	Very Good Quality	5
14	Nuts	3mm, 4mm, 5mm, 6mm, 8mm, 10mm, 12mm - Pack of 100	Very Good Quality	1
15	Bolts	3mm, 4mm, 5mm, 6mm, 8mm, 10mm, 12mm dia - 1" Pack of 100	Very Good Quality	1
16	Screws	3mm, 4mm, 5mm Pack of 100	Very Good Quality	1
17	Washers	3mm, 4mm, 5mm, 6mm, 8mm, 10mm, 12mm Pack of 100	Very Good Quality	1
18	Studs	6mm, 8mm 1 meter	Very Good Quality	5
19	Nails	1", 2", 3" Pack of 100	Very Good Quality	1
20	Adhesive (M-Seal, Fevikiwik, Fevicol SH)	Pidilite M-Seal 90gm Fevikiwik Gel Instant Adhesive (3 gm) Fevicol SH - wood working adhesive 500g	Very Good Quality	10
21	2 Way Tapes (3 Meter) Heavy duty	3 Meter Multipurpose Double Sided Tape Heavy Duty - Adhesive Silicone Tape, Heat Resistant, Multi-Functional, Removable, Washable, Reusable Anti-Slip Gel Nano Grip Tape	Very Good Quality	20
22	PVC Pipes 10 ft	Set of 0.75", 1", 1.5" 2" PVC pipes	Very Good Quality	1
23	Aluminium channels 12ft	L, C, Box, strip length 12ft.	Very Good Quality	2
24	PCB Drill Bits	Tools 10 pcs Precision PCB Drill Bits Set, Tungsten Steel Carbide (0.3mm-1.2mm) for CNC Machines, Circuit Board	Very Good Quality	20


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25	Drill bits(small)	3mm,4mm,5mm,6mm	Very Good Quality	20
26	Drill bits(big)	8mm,10mm,12mm	Very Good Quality	5
27	Carpentry Boring Bits kit	16 Pcs Carbon Steel Hole Saw Cutting Tools (19- 127mm) Rotary Bit Set (16 Bits)	Very Good Quality	1
28	Electronic Active and Passive Components	Resistors, Capacitors, Diodes and Transistors	Very Good Quality	10
29	USB Cables for Arduino board	USB A To B-Blue Cable (USB A to B Type Uno Cable)	Very Good Quality	10
30	Radium cutter knives	GKF 550 Electric Hand / Palm Router, 550W, 33,000 rpm, 6 (1/4") mm Bit, Variable Speed, Soft Grip, 1.4kg + Parallel, Roller & Template Guide, 17 mm & 10 mm Spanner, Straight Bit	Very Good Quality	10
31	Glue Sticks	11mm (20cm long) All Purpose Hot Melt Glue Sticks	Very Good Quality	50
32	Hack saw Blades	6",12"HacksawBlades24Tpi	Very Good Quality	10
33	9vBatterysnaps	9vBattery Clip,9VBattery Power Cable Plug Clip 2.1X5.5mm 10withMaleDCPlug,10withoutplug	Very Good Quality	20
34	9vBattery	Voltage9Volts Item dimensions Lx Wx H 50 x 20 x 20 Millimeters	Very Good Quality	20
35	Lan cable for Ras pberry pi	1Meter 1000 MBPS RJ45 cat6 Ethernet Patch Cable LAN Cable	Very Good Quality	5

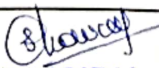

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Mandatory tools

Sr No	Name	Specifications	Make	Qty
1	Hacksaw	HFW12 - Heavy Duty 12" Inch Wooden Handle Hacksaw Frame - Adjustable Tension	Very Good Quality	5
2	Chisel set	16-299 12 Piece Pin Punches and Cold Chisel Set	Very Good Quality	2
3	Pliers Set	7PcsPliersSet Material Chrome Vanadium Steel, Rubber Product Dimensions 29.5L x 12.7W Centimeters	Very Good Quality	2
4	Manual PCB Drill Machine	PCB Drill Machine Kit with 15 Precision Bits (0.30 to 1.00 mm)	Very Good Quality	3
5	PCB power Drilling machine	Mini Cordless Drill Machine Rotary Tool Kit 2000mAh 5 Speed with LED	Very Good Quality	3
6	Cordless Drilling machines	TH-M98 Digital Multimeter Power Source Battery Powered Style Multimeter Colour black Item Weight220Grams	Very Good Quality	2
7	Jig Saw	BoschGST680	Bosch	1
8	Power Circular Saw	Bosch GKS 190	Bosch	1
9	Variac/ Dimmer stat	10Pcs File Tools Set, Premium Hardened Drop Forged Alloy Steel File Tools, Includes Flat, Flat Warding, Square, Triangular, Round, and Half-	Very Good Quality	2
10	File handle	Setof10fileshandleSandardsize	Very Good Quality	10
11	Needle files set	Blackdeckerbdht22148174mm6-Piece Steel Needle File Set for Cutting & Smoothing Out Surfaces Ideal for Wood, Metal	Very Good Quality	2
12	Pipe vice	Pipe vice PV 03 - Pipe Clamp Item dimensions L x Wx H 29 x 17 x 32.5 Centimeters Colour Blue ItemWeight7100Grams	Very Good Quality	2
13	Hack saw Mini	Stanley0-20-807	Very Good Quality	5
14	Ball Peen Hammer	Stanley54-106	Very Good Quality	5

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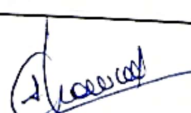


15	Steel Shaft Claw Hammer	Stanley51-152	Very Good Quality	5
16	Nylon Mallet Hammer	Stanley Stht57527-8 Rubber Mallet Hammer 450gms	Very Good Quality	5
17	Rubber Mallet Hammer	Stanley Stht57528-8 Rubber Mallet for Masonry, Woodwork, Fittings f	Very Good Quality	5
18	Allenkeyset10 PC	Stanley69-257 1.5,2,2.5,3,4,5,5.5,6,8,10mm	Very Good Quality	3
19	Dremel Multi Tool kit	Dremel4250	Very Good Quality	2
20	Double ended spannerset12Pcs	Stanley70-964E12-piece	Very Good Quality	2
21	open ended spannerset12Pcs	Stanley 70-380E 12-piece Matte Finish Chrome Vanadium Steel Double Open-End Spanner Set with Maxi-Dr	Very Good Quality	2
22	Belt and Disc Sanding Machine	<ul style="list-style-type: none"> • Motor:230V50Hz • Power:380WS230min • No-loadSpeed:1450rpm • BeltSize:100x914mm • DiscSize:150mm • TableTitingRange:0°-45° • BeltTitingRange:0°-90° 	Very Good Quality	1
23	Scroll Saw	<ul style="list-style-type: none"> • Continuousratinginput:50W • Strokes Per Minute(SPM):400-1600 	Very Good Quality	1
24	Tool Wall covering Perforator	WarnerWallcoveringPerforator,250	Warner	1
25	Dremel Moto-Saw	Dremel Moto-Saw Scroll Saw Kit, Variable Speed, MS20-01	Very Good Quality	1
26	Bench Grinding Machine	Bench Grinder <ul style="list-style-type: none"> • Grindingwheeldiameter:150mm • Ratedinputpower:350W 	Bosch Heavy Duty Bench	1
27	Measuring Tape 5M	Amici Tools 10pcs Precision PCB Drill Bits Set, Tungsten Steel Carbide (0.3mm-1.2mm) for CNC Machines, Circuit Board	Very Good Quality	5
28	TrySquare8"	Material Stainless Steel Brand STANLEY Colour Silver	Very Good Quality	5
29	Stainless Steel Rule	12 inch, 30 cm Stainless Steel Ruler Scale Long double Side Measuring Tool	Very Good Quality	5


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30	Digital Vernier Caliper	vernier calipers with LCD screen electronic vernier caliper thickness measuring Tool 0-6 in/0- 150 mm auto off featured. (a-150mm) Material Stainless Steel Product Dimensions 24L x 8W Centimeters Range 150 Millimeters Measurement Accuracy 150MM	Very Good Quality	2
31	Spirit level	Resistors, Capacitors, Diodes and Transistors	Very Good Quality	5
32	Dremel Cordless Rotary Tool	Dremel 8240-5 12V Cordless Rotary Tool Kit with Variable Speed and Comfort Grip - Includes 2AH Battery Pack	Very Good Quality	1
33	Power Router	Bosch GKF 550 Electric Hand / Palm Router, 550W, 33,000 rpm, 6 (1/4") mm Bit, Variable Speed, Soft Grip, 1.4kg + Parallel, Roller & Template Guide, 17 mm & 10 mm Spanner, Straight Bit	Bosch	1
34	Sewing machine	Singer Promise 1408 Zig-Zag Sewing Machine, 8 Built-in Stitches, 24 Stitches Functions with 70W Powerful motor & Feed dog with 106 Teeth in 6 Rows (White) Product Dimensions 35.4D x 42.3W x22.8H Centimeters	Singer	5
35	Impact Drill	BOSCH GSB 600 Corded Electric Impact Drill 600 W Motor Speed upto 3000 RPM Rated Torque of 1.4 Nm Impact rate upto 48000 BPM	Bosch	1
36	Ratchet Set	Stanley STMT7279 5-8	Stanley	1
37	Router Bit Starter kit	Bosch Professional 15 Pcs Router Bit Set With Mixed Bits, 6mm Shank Bits, Suitable For Gkf 550 Plam Router And Gof 130 Router	Bosch	1
38	Scroll Saw	• Continuous rating input: 50W • Strokes Per Minute (SPM): 400-1600	Very Good Quality	1


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List of Electrical Tools

Sr No	Item Name	Specifications	Make	Unit
1	Hot air blower with soldering iron	2 in 1 Hot Wind Gun Solder Iron SMD Rework Soldering Station Kit 700W/220V Tabletop Hot Wind Gun Tin Solder Iron Working Station Adjustable Soldering with LCD Digital Display	Serplex	5
2	Tin Cutters with Spring	Taparia TCS08 Tin Cutters with Spring	Taparia	10
3	Centrifugal blower	Product dimensions 12LX12WX3.2H wattage 36watts	BOSCH	1
4	screwdriver set	16pcs screw driver set	Stanley	2
5	Cuttting Mat	Self Healing Cuttting Mat A3 Size, Polyvinyl Chloride, Green	Anezus	5
6	Digital Multimeter	Themisto TH-M98 Digital Multimeter Power Source Battery Powered Style Multimeter Colour black Item Weight220Grams	Themisto	2
7	Hot Air Gun	Bosch	Bosch	5
8	Micrometer	Mitutoyo	Mitu toyo	3
9	Variac/ Dimmerstat	Stanley6-GR20	Stanley	5
10	Air Compressor	26 ltr tank, 1.5 Horsepower Powering Pneumatic Tools	KPT	1



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11	Wrench (Adjustable)	Taparia 1171-8/1171N-8 205mm Steel Single Sided Adjustable Spanner Wrench (Grey)	Taparia	2
12	Tongue and groove plier	250MMGROOVEJOINTPLIERS	Very Good Quality	5
13	Non-Contact Voltage Tester	Operating Temperature:-10°C to 50°C Operating Humidity Ranges: 0% to 95% (0°C to 30°C)	Fluke1AC, A2	5
14	Wire Stripper	130mm	Stanley84-214-22	5
15	Fish tape	Steel Alloy10 Mtrs Heavy Black Wire Puller Cable Fish Tape	ASTROCA B	2
16	Flash Light	20 W, 60W LED Flash light for material removing work	Very Good Quality	2
17	DC regulated power supply	Dc Power Supply Variable Regulated Power Source 30V 5A Adjustable Voltage Regulator 150W Dc Power Supply Variable Regulated Power Source 30V 5A Adjustable Voltage Regulator 150W	DHRUV- PRO	3
18	Solder Wick	solder wick braid 10ft Length Desoldering Wick Braid Remover Tool	Lesnowor similar	10
19	Filament Dehydrator	Filament Dry Box Creality - Humidity Controlled Storage- Digital Display- Compatible with 1-2 spools- Power Input: 12V	Creality, Space Pi	1
20	Reflow Oven	Reflow Oven Infrared IC Heater 1500W 300 x 320mm SMD SMT BGA Soldering Automatic	Very Good Quality	1
21	Glass Cutter	STANLEY 0-14-040 Glass Cutter with Steel Wheel	STANLEY	1
22	Gypsum Powder	Gypsum Powder - Industrial Grade for Construction and Soil Improvement (10 KG)	Akshar Exim	10
23	Digital Multimeter	Themisto TH-M98 Digital Multimeter (Black 2000 Counts) Battery Powered True RMS, auto-ranging. Voltage: up to 600V AC/DC; Counts: ~2000 NCV (non-contact voltage) detection	Themisto	5
24	Clothes Iron	Bajaj DHX-9 1000W Heavy Weight Dry Iron Advance Soleplate And Anti-Bacterial German Coating Technology Multiple Temperature Levels	Bajaj	5
25	Oscilloscope	Digital Storage Oscilloscope 100MHz Bandwidth 2CH Dual Channel 1GSa/s	Hantekor similar	4

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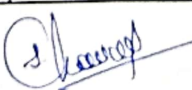


		8M Memory Depthwith 1CH Waveform Generator		
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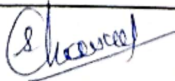
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List of consumables				
Sr No	Item Name	Specifications	Make	Unit
1.	PCB Drill Bit 0.4mm		Very good quality	10
2.	PCB Drill Bit 0.8mm		Very good quality	10
3.	PCB Drill Bit1mm		Very good quality	10
4.	DrillBit4mm		Very good quality	10
5.	DrillBit5mm		Very good quality	10
6.	DrillBit6mm		Very good quality	10
7.	ArduinoUNOR3		Very good quality	5
8.	Arduino NANO		Very good quality	5
9.	Arduino Mega		Very good quality	3
10.	Raspberry Pi Model4B,4GB		Very good quality	3
11.	ESP8266 Node MCU		Very good quality	2
12.	ESP32 Development Board		Very good quality	2
13.	Beaglebone blu		Very good quality	1
14.	Beaglebone Black		Very good quality	1


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15.	Voltage Regulator Module		Very good quality	2
16.	Mini Micro submersible Water Pump		Very good quality	2
17.	Piezoelectric Plate		Very good quality	2
18.	8*8LEDMatrix Module		Very good quality	2
19.	Bluetooth		Very good quality	2
20.	7SegmentLEDDisplay		Very good quality	2
21.	GSM/GPRS/GPS Module		Very good quality	2
22.	Laser Module		Very good quality	2
23.	LDR Module		Very good quality	2
24.	4*4Matrix Keypad		Very good quality	2
25.	Joy Stick Module		Very good quality	2
26.	Active Buzzer (BIG)		Very good quality	2
27.	Active Buzzer (SMALL)		Very good quality	2
28.	Motor Driver		Very good quality	2
29.	Sound Playback Module		Very good quality	2
30.	BO Motors		Very good quality	10
31.	Vibrating Motor		Very good quality	10
32.	Capacitive Touch Switch		Very good quality	2
33.	IR Sensors (Obstacle Sensors)		Very good quality	2
34.	Triple Axis Magnetometer		Very good quality	2
35.	Humidity Sensor		Very good quality	2



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36.	MQ-2		Very good quality	2
37.	MQ-3		Very good quality	2
38.	MQ-4		Very good quality	2
39.	MQ-5		Very good quality	2
40.	MQ-7		Very good quality	2
41.	Ultrasonic Sensor Module		Very good quality	2
42.	Triple Axis accelerometer		Very good quality	2
43.	PIR Motion Detector Module		Very good quality	2
44.	Pulse Rate Heart Sensor		Very good quality	2
45.	Relay Module		Very good quality	2
46.	Soil Moisture Sensor		Very good quality	2
47.	Touch Sensor		Very good quality	2
48.	RainDropSensor		Very good quality	2
49.	Flex Sensor		Very good quality	2
50.	Temperature Sensor		Very good quality	2
51.	Force Pressure Sensor		Very good quality	2
52.	Colour Recognition Sensor		Very good quality	2
53.	Water Flow Sensor		Very good quality	2
54.	SoundSensor		Very good quality	2
55.	IR Sensor Array for LineFollowing		Very good quality	2
56.	RFID Reader-Tags		Very good quality	2
57.	RFModulesTx& Rx315MHzASK		Very good quality	2


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58.	Stepper motor with Driver Board		Very good quality	2
59.	Servo Motor 360 rotation		Very good quality	10
60.	Servo Motor 180 rotation		Very good quality	10
61.	Metal Gear Servo Motor (180° Rotation)		Very good quality	10
62.	Solder Wire 100gm		Very good quality	10
63.	Solder Flux		Very good quality	10
64.	830 Points Solder less Breadboard		Very good quality	5
65.	400 Points Solder less Breadboard		Very good quality	5
66.	Copper Clad Board single side		Very good quality	10
67.	Copperclad board double side		Very good quality	10
68.	Male to Male Breadboard Jumper		Very good quality	10
69.	Female to Female Breadboard Jumper		Very good quality	10
70.	Male to Female Breadboard Jumper		Very good quality	10


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Terms and Conditions

The following Terms and Conditions apply to all supplier participating in the tender for the supply, installation, and commissioning of equipment, tools, and machines for the establishment of an AICTE IDEA Lab. All prospective vendors are required to read and comply with these terms in their entirety.

1. General Information

All equipment and materials must be delivered in the quantities and specifications as mentioned in the purchase order issued by the purchaser. The delivery location will be specified in the purchase order Bharati Vidyapeeth (Deemed to be University) College of Engineering, Pune 411043 Maharashtra. The entire contract shall remain valid for a period of three (3) months from the date of award.

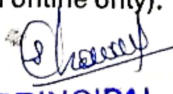
Quotations submitted by suppliers must remain valid for a minimum of 90 days from the final date of submission. Any quotation that does not meet this validity period will be considered non-compliant.

2. Submission Guidelines

Quotations may be submitted in hard copy form, as specifically mentioned in the tender notice. All quotations must be printed on the supplier's official letterhead and duly signed by an authorized representative.

Each quotation must be complete in all respects and must include the following mandatory documents:

- Detailed Profile of the Supplier, highlighting experience and key competencies.
- Copy of the Company/Firm Registration Certificate.
- Copy of valid GST Registration Certificate.
- Copy of submitted GST return (at least up to November 2024).
- Copy of valid PAN Card.
- Chartered Accountant's Certificate for turnover for FY 2021-22, 2022-23, and 2023-24, 2024-25.
- CA-certified and audited Balance Sheets and Financial Statements (Form 3CB/3CA) for the last three financial years.
- Copies of Work Completion or Experience Certificates of similar completed works.
- Valid Shop Establishment License or Factory License.
- Genuine Manufacturer Authorization Form (MAF), which will be subject to verification with the respective OEM.
- Supplier should provide an Escalation Matrix for service and after sales support.
- Valid EPF, ESIC, and Professional Tax Registration Certificates (where applicable).
- Income Tax Return Acknowledgements for FY 2021-22, 2022-23, and 2023-24.
- Declaration/Affidavit (on ₹500/- Stamp Paper) regarding no blacklisting from IITs/NITs/Govt. Offices/PSUs/Autonomous Bodies.
- Complete, signed, and stamped tender document including amendments and deviation sheets, if any (to be uploaded online only).


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- Declaration of agreed specifications on company letterhead, duly signed and stamped.
- Any other documents in support of technical eligibility.

All suppliers are required to quote for all the items listed in the document. Partial or item-wise quotations will be summarily rejected. Each supplier is allowed to submit only one quotation per package; multiple submissions from a single supplier will lead to disqualification.

3. Technical Documentation and Compliance

The supplier must furnish complete technical documentation for each quoted item. This includes detailed product specifications, installation manuals, operation and maintenance manuals. The

supplier is also required to submit a layout/design proposal aligned with the lab setup requirements, highlighting compliance points against the tender specifications.

Original technical brochures or scanned versions of product catalogs should be submitted with the quotation. Wherever available, URLs to the OEM's official product page should also be provided for cross-verification.

Each supplier must clearly mention the make, model, and complete technical specifications for the equipment being offered. A compliance sheet responding to each technical requirement outlined in the tender must be prepared and duly signed.

4. Eligibility and Qualification Criteria

All suppliers must be OEMs or authorized partners/distributors with valid authorization for the products they are quoting. Authorization letters must be submitted on the OEM's official letterhead.

Suppliers must demonstrate relevant experience by submitting a minimum of three Purchase Orders (executed within the last five years) for similar equipment supplied to academic, R&D, or industrial institutions. A list of at least five institutional clients (with contact information) must be provided as a reference.

It is mandatory that the supplier or OEM has a registered support office in India to provide warranty and after-sales support. In the case of imported equipment, either the OEM or their authorized seller must submit a certificate confirming the presence of such a service support facility in India.


The OEM must also submit a declaration confirming the availability of spare parts for the quoted products for a minimum of one year and authorize the supplier to participate in the tender.

5. Financial Criteria

Each supplier must have an average annual turnover of ₹5 Crores or more over the last three financial years (FY 2022-23, 2023-24, 2024-25). The turnover must be supported by a CA certificate or audited financial statements.

Prices quoted must be inclusive of all taxes (GST, customs, etc.), transportation, packaging, insurance, unloading, installation, commissioning, and training charges. There shall be no extra claim under any circumstances after the finalization of the quotation.

The quoted prices must be firm and fixed throughout the duration of the contract. No escalation in price will be allowed under any pretext.


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6. Evaluation and Award of Contract

All quotations will be evaluated on the basis of compliance with the technical specifications, completeness of submitted documentation, financial eligibility, and price competitiveness. The contract shall be awarded to the supplier whose offer is determined to be technically responsive and lowest in cost.

The purchaser reserves the absolute right to reject any or all quotations without assigning any reason. The final decision on selection will be at the sole discretion of the purchaser and shall be binding on all parties.

7. Warranty and After-Sales Service

All equipment must carry a minimum onsite warranty of at least **three years** from the date of successful installation and commissioning. During this warranty period, the supplier shall repair or replace any defective items at no additional cost to the purchaser. All associated transportation, testing, and labor costs shall be borne by the supplier.

In case of any service delay or failure to resolve issues during the warranty period, the purchaser reserves the right to invoke penalties or reject future business from the vendor.

8. Payment Terms

Payment shall be released only after the successful supply, installation, and commissioning of the equipment. Final inspection and acceptance will be carried out by the purchaser's technical committee.

No payment shall be made for equipment that is received in damaged condition, is non-functional, or fails to meet the required specifications. The supplier must submit all necessary documentation (delivery challans, installation report, warranty documents, training certificate, invoice, etc.) to process payment.

9. Other Conditions


No supplier shall be given preference based on category, class, or affiliation. The procurement may be extended to additional phases (e.g., Phase II) depending on availability of funds and institutional requirements.

Delayed delivery or installation may result in cancellation of order or imposition of penalties, as deemed fit by the purchaser. The scope of the supply and service must be entirely as per the BoQ and technical specifications. Quotations with partial compliance or deviations shall not be entertained.

10. Submission Deadline and Contact Details

The Quotation must be to be submitted in sealed envelope by 20/09/2025 to the following address:

To, The Principal
Bharati Vidyapeeth (Deemed to be University) College of Engineering,
Pune-Satara Road,
Pune-411043


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