



Kalpataru Vidya Samsthe (R) Estd : 1961

# KALPATARU INSTITUTE OF TECHNOLOGY

(Affiliated to Visvesvaraya Technological University, Belgaum & Recognised by A.I.C.T.E., New Delhi)

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## 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 'Kalpataru Institute of Technology', Tiptur-572201. 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.

### Mandatory Equipments in AICTE IDEA Lab (Annexure 1)

Sl no	Equipments	Preferred brands if any	Specifications	Quantity
1	Laser cutter	Branded Company Product with at least Two years Warranty	Working Area: Min 600 x 900 mm or above Laser Type: CO <sub>2</sub> DC Glass Laser Tube/RF Metal Laser Tube Laser Power: 80/100W Wave Length: Upto 10.6 Micrometer Cutting Speed: 30000 mm/min or more Engraving Speed: 64000 mm/min or more XY Axis: LM Guide Rail or equivalent Cooling: Air/ Water Cooling Supply Voltage: 230V/415 V Accessories: CO <sub>2</sub> Focus Lens: 1 No. Mirror 25mm: 3 Nos. Acetone: 1 litre Acrylic sheet: 2 Nos	1

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2	Vinyl cutter	Branded Company Product with at least Two years Warranty	Dimensions: 50 cm x 15 cm x 15 cm or above Weight: 15.4 lbs or less Max cut size using machine mat: 11.5 inch x 23.5 inch or more Cut speed: up to 14.1 ips	1
3	3d Printer ( IDEX with mirror printing and multifunctional)	Branded Company Product with at least three years product warranty	<b>Print Technology</b> Fused Deposition Modeling (FDM) <b>Print Volume</b> 400 * 400 * 400 mm <b>Copy Mode</b> 400(2*200)*400*400 mm <b>Mirror Mode</b> 320(2*160)*400*400 mm <b>Machine Dimensions</b> 690 * 790 * 910 mm <b>Extruder Quantity</b> Two <b>Nozzle Diameter</b> 0.4mm (0.6, 0.8, 1.0 mm optional) <b>Extruder Temperature</b> ≤350°C (Recommended temperature ≤320 °C) <b>Platform Temperature</b> ≤110°C <b>Max Flow</b> 40mm <sup>3</sup> /s <b>Max Print Speed</b> 500mm/s (Recommend Printing Speed: 200-300mm/s ) <b>Provided Support Software</b> <b>Display Screen</b> 7-inch HDMI touch screen <b>Input Voltage</b> 100/240AC 50/60Hz <b>Rated Power</b> 800W <b>Filaments:</b> PLA, TPU, PETG;PA-CF/GF, PET-CF/GF, HtPA-CF/GF, ABS-GF25, ABS-CF20, PA-GF25/CF25; <b>Support filament:</b> S-Mulit, S-HtPA, PVA, etc	1
4	3d scanner	Branded Company Product with at least three years product warranty	Technology: Stereo camera structured light with focusable cameras or equivalent CPU: Quad-core 64-bit SoC, 1.5GHz with integrated GPU RAM: 4 GB  Projector: DLP MEMS mirror or equivalent Camera Sensor: Sony 13 MP or better Scan Speed: 4 seconds or more Working Distance : 160mm-1400mm Scan Speed :	1



			<p>980,000points/s, up to 14FPS</p> <p>Align Modes : Feature Alignment, Hybrid Alignment, Texture Alignment, Global Markers</p> <p>Safety : Eye-safe</p> <p>Texture Scan : Yes</p> <p>Interface : USB2.0 or above</p>	
5	CNC Router	Branded Company Product with at least three years product warranty	<p>Working Area: Min 1300 x 2500 mm</p> <p>Z Axis Working Area: 200 or above</p> <p>Resolution: <math>\pm 0.03/300</math>mm or more</p> <p>CNC Spindle: 3KW or more</p> <p>Lathe Structure : Welding Steel Structure or equivalent</p> <p>XYZ Structure: Rack Pinion , Ball Screw Linear Rails</p> <p>Max Spindle Speed : Min 18000RPM</p> <p>Table: T-Slot/Vacuum Bed/Water Bed</p> <p>Repeatability: <math>\pm 0.03</math></p> <p>Working Mode: Stepper Motor/Servo Motor</p> <p>Dust Collector : To be included by Vendor</p> <p>Voltage: AC 220V/415V, 50/60 Hz, 3 Phase</p>	1
6	Mini desktop Lathe cum Milling	Branded Company Product with at least three years product warranty	<p>Centre Width: Up to 400 mm or better</p> <p>Height of Centers: Up to 88 mm</p> <p>Maximum Workpiece Diameter: Up to 100 mm</p> <p>Machine Base: Cross-ribbed surface, high-quality cast iron with ground prismatic guide, capable of fitting milling/drilling attachment</p> <p>Spindle: Supported with adjustable taper roller bearings</p> <p>Spindle Receiver: MK3 or compatible</p> <p>Spindle Drill Hole: Up to 22 mm or better</p> <p>Spindle Concentricity: Up to 5 microns or better</p> <p>Chuck: 3-jaw chuck as per DIN 6386, centrically clamped, 100 mm diameter or better Run Out (without Chuck): Up to 10 microns</p> <p>Sleeve Receiver: MK2, retractable sleeve with scale</p> <p>Spindle Speed Range: Between 50 to 2500 rpm</p> <p>Speed Stages: 6-8</p> <p>Motor Rating: 550W or better, induction motor, single phase 230V</p>	1

7	Drilling machine	Branded Company Product with at least three years product warranty	Continuous rating input: Max. 250 W Capacity: Steel: Min 13 mm (1/2") Wood: Min 24 mm (15/16") No Load Speed (RPM): 570, 890, 1,300, 1,900, 2,670(50 Hz), 690, 1,070, 1,560, 2,280, 3,200(60 Hz) Net weight: Max. 20 kg (44.1 lbs.) Power supply cord: 1.75 m (5.7 ft) Additional Accessories: Bench Vise: 1 No., Drill Bit Set 10 Pcs: 1 No	1
8	Hand held high speed drilling machine	Branded Company Product with at least three years product warranty	Handheld High Speed Drilling M/c - 15000 RPM with accessories.	2
9	Benchtop grinding machine	Branded Company Product with at least three years product warranty	Maximum Rotational Speed: 3450 RPM Voltage: 240 Volts	1
10	Solder Stations	Branded Company Product with at least three years product warranty	Power Rating: Approximately 60 W maximum output power. Temperature Range: Adjustable from approximately 200 °C up to 480 °C. Temperature Stability: Within $\pm 2$ °C under normal operating conditions. Heating Element: Ceramic heating element for rapid heat-up and efficient temperature maintenance. Display: Digital or analog temperature display (depending on variant) for precise temperature control. Temperature Control: Adjustable via knob or digital interface with fine resolution. Power Supply: AC 220 V $\pm 10\%$ , 50/60 Hz. Safety Features: Thermal cutoff and overload protection within required standards. Dimensions: Compact design with 100 mm $\times$ 100 mm $\times$ 90 mm (W $\times$ H $\times$ D) or above Weight: Approximately 1.5 kg for ease of portability and bench use.	5
11	Desoldering Machine	Branded Company Product with at least three years product warranty	Power Consumption: 270 W / 220 V, Air Flow: 24 L / Min. (Max.), Temp. Range : 100 °C ~ 420 °C High accuracy and reliability Industrial Grade Components, Powerful starting, Rapid Heating & Air volume linearly adjustable Enclosure for the Pump which ensures low noise & high performance	1





12	Advanced motorized Sewing machine	Branded Company Product with at least three years product warranty	Product Dimensions-28.5D x 48W x 38H Centimetres Power Source-Corded Electric Max Stitch Length-3mm Body Material-Mild Steel or better	1
13	Wood Lathe	Branded Company Product with at least three years product warranty	Motor: 230V~50Hz, 550W, S2:15min or above Max. Disc Diameter: min 75 mm Max. Cutting Length: 450 mm or more Spindle Speed: 5 speeds such as 1600 / 2600 / 3200 RPM etc Material: Cast Iron Bed Height: 0.2 m Cable Length: 0.850 m	1
14	Power tools	Branded Company Product with at least three years product warranty	Hand Drilling Angle Grinder Straight grinder Circular saw <b>Cordless</b> screw driver & blower Hot air gun Orbit sander Planer Mitre saw Rotary tool kit	1
15	Portable welding machine	Branded Company Product with at least three years product warranty	Portable and Compact Design: The Spear SP-WM200 Arc Welding Machine features a portable and compact design, making it easy to transport and use in various work environments, including workshops, construction sites, and home projects. • IGBT Technology: Equipped with IGBT (Insulated Gate Bipolar Transistor) technology, this welding machine offers high efficiency and reliability in welding operations. • Digital LCD Display: The welding machine is equipped with a digital LCD display, providing clear and intuitive visibility of welding settings and parameters.	1
16	Refrigerator	Branded Company Product with at least three years product warranty	Capacity: 185 Litres • Energy Rating: 2 Star Refrigerator • 1 year comprehensive warranty • Freezer Capacity : 14 Ltr	1

17	Normal microwave oven	Branded Company Product with at least three years product warranty	Oven Cap: 20L or more Type: Solo Door: Side Swing Child Lock: Yes Completion Beeper: Yes Power Levels: upto 5 Control: Membrane Type Cavity Mat: Anti-Bacterial Dims(mm):455×252×320 PowerOut:700W or less	1
18	Magnifying glass with stand	Branded Company Product with at least three years product warranty	With auxillary clamp, easy to adjust. Magnifying glasses, Better magnification With led	2
19	Digital Microscope	Branded Company Product with at least three years product warranty	Specification: Magnification: 1600X Light source: 8 LED lights Resolution: 1920×1080, 640*480 Pixel: 30W Focal length: 3-40mm manual adjustment Support Android 4.2 or above/widows/Mac system	1
20	Mixed signal oscilloscope	Branded Company Product with at least three years product warranty	<ul style="list-style-type: none"> <li>• Bandwidth: 100MHz</li> <li>• Channels: 2+1 (external)</li> <li>• Modes: Normal, Peak detect, Averaging</li> </ul> Sample Rate: 1GS/s half channel*, 500MS/s each channel Input Coupling: DC, AC, Ground Input Impedance: 1MΩ±2%, in parallel with 15pF±5pF Probe Attenuation Factor: 1X, 10X, 100X, 1000X Channel Isolation: 50Hz: 100:1 / 10MHz:40:1 Cursor: ΔV and ΔT between cursors Automatic Measurement: Vpp, Vmax, Vmin, Vtop, Vbase, Vamp, Vavg, Vrms, Overshoot, Preshoot, Freq, Period, Rise Time, Fall Time, Delay A→B, Delay A→B, +Width, -Width, +Duty, -Duty Waveform math: +, -, *, /, FFT Waveform Storage: 4 waveforms Typical Measurement Frequency: 1kHz square wave Storage and call-out of waveforms	1



21	Digital storage oscilloscope	Branded Company Product with at least three years product warranty	<p>Number of Channels: Up to 2 independent analog inputs</p> <p>Memory Record Length: Up to 10 Mpts for extended waveform capture</p> <p>Bandwidth Limiting: Selectable 20 MHz bandwidth filter</p> <p>Sampling Rate: Maximum of 1 GSa/s real-time equivalent per channel</p> <p>Rise Time: <math>\leq 3.5</math> ns depending on probe and settings</p> <p>Display: 7" TFT color LCD with 800×480 resolution</p> <p>Time Base Range: From 5 ns/div to 100 s/div, user-adjustable</p> <p>Vertical Resolution: 8-bit digital resolution</p> <p>Trigger Modes: Automatic, Normal, and Signal-dependent triggering</p> <p>Maximum Input Voltage: 300 Vrms (within safety limits)</p> <p>Input Sensitivity: Within the range of 1 mV/div to 10 V/div</p> <p>Input Coupling Options: Selectable among AC, DC, and Ground</p> <p>Trigger Coupling Modes: Configurable as AC, DC, High-pass, or Low-pass</p> <p>Physical Dimensions: Approximately 350 × 200 × 120 mm or above</p> <p>Unit Weight: 2.5 kg or above</p> <p>Input Impedance: Nominal 1 M<math>\Omega</math> // 16 pF</p> <p>Measurement Capabilities: Equipped for automatic parameter extraction, background noise filtering, and AUTOSET configuration for display scaling (time base/gain)</p> <p>Protocol Decoding Support: Capable of analyzing I2C, SPI, UART, CAN, and LIN communication protocols</p> <p>Standard Accessories: Includes mains power cable, user manual (digital format), and one GTL-16E probe per input channel</p>	1
22	Signal generator	Branded Company Product with at least three years product warranty	<p>Uses advanced FPGA and a speedy microprocessor.</p> <p>Ensures signals are steady and reliable with active crystal oscillator.</p> <p>Generates a wide range of waveforms, including sine, square, triangle, sawtooth, and pulse waves.</p> <p>Features two independent channels to set different parameters.</p> <p>Measures frequency, period, pulse width, and even counts pulses.</p> <p>You can store up to 99 different setups and 60 custom waveforms.</p> <p>And each with a resolution of 2048 points and 14-bit detail.</p>	1



			<p>Handles sine wave frequencies up to 15 MHz, with the same range for square and triangle waves.</p> <p>Handles pulse frequencies up to 6 MHz.</p>	
23	Variable power supply	Branded Company Product with at least three years product warranty	<p>Output Configuration: 4-channel design with independent electrical isolation across all outputs</p> <p>Channel Output Ranges:</p> <ul style="list-style-type: none"> <li>• CH1 &amp; CH2: Adjustable output voltage from 0 to 32V with a current delivery capacity up to 3A</li> <li>• CH3: Variable range 0 to 5V supporting up to 1A</li> <li>• CH4: Output adjustable from 0 to 15V with a load current of up to 1A</li> </ul> <p>Constant Voltage Operating Mode</p> <p>Line Regulation: <math>\leq 0.01\% + 3 \text{ mV}</math> (approximate value within rated voltage range)</p> <p>Load Regulation: <math>\leq 0.01\% + 3 \text{ mV}</math> (across rated load variation)</p> <p>Ripple &amp; Noise: <math>\leq 1 \text{ mVrms}</math> across full bandwidth</p> <p>Constant Current Operating Mode</p> <p>Line Regulation: <math>\leq 0.2\% + 3 \text{ mA}</math></p> <p>Load Regulation: <math>\leq 0.2\% + 3 \text{ mA}</math></p> <p>Ripple Current: <math>\leq 3 \text{ mArms}</math> (typical)</p> <p>Safety &amp; Operational Features</p> <p>Output Control: Independent output ON/OFF switching functionality is required</p> <p>Voltage Resolution: Approximately 100 mV (*1)</p> <p>Current Resolution: Approximately 10 mA (*1)</p> <p>Display Parameters</p> <p>Display Units: Four separate displays required for individual channel status visualization</p> <p>Display Type: 4.3-inch LCD (color or monochrome as applicable)</p> <p>Functional Features</p> <p>Tracking Operation: Supported (required for synchronizing output behavior)</p> <p>Auto Series/Parallel: Supported (automatic internal reconfiguration required)</p> <p>Power Requirements</p> <p>Supply Input: 230V AC <math>\pm 10\%</math>, 50 Hz</p> <p>Mechanical Specifications</p> <p>Maximum Dimensions (W x H x D): Within 200 mm x 100 mm x 200 mm</p> <p>Maximum Weight: 10 kg or less</p>	1





24	Benchtop multimeter	Branded Company Product with at least three years product warranty	Display Screen: 3.7-inch TFT LCD Display Resolution: 480*320 Working Environment: Temp 0°C to 50°C Storage Environment(°C): -20 to 70 Interface: RS232, USB Device Dimensions (mm): (L) 235 x (H) 88 x (D) 65	1
25	Projector	Branded Company Product with at least three years product warranty	Projection Tech: RGB liquid crystal shutter projection (3LCD) Up to Connectivity: USB Type B: 1port (FirmwareUpdate/Copy OSD) Approx AnalogInput:D-Sub15pin:1port Digital Input: HDMI:1port Projection Lens: Type: No Optical Zoom/Focus (Manual)Nominal FocalLength:16.70mm Approx FNumber:1.44 Nominal Zoom:1.44-1.95 Ratio (Wide to Tele) ThrowRatioRange:1.00-1.35(Digital Zoom Approx	1

26	Heavy duty laser printer	Branded Company Product with at least three years product warranty	<p>Functions: Print, Scan, Copy</p> <p>Printer Type: Laser Nominal</p> <p>Dims(mm):409×398.5×267Approx</p> <p>Weight:9.7KgNominal</p> <p>PrintSpeed:Upto30ppm(A4Size)Approx</p> <p>Warranty:1YearOn-Site</p> <p>PrintResolution:600×600dpi,HQ1200(2400×600dpi) Quality Approx</p> <p>2Sided-Duplex-</p> <p>PaperType:Plain,Thin,RecycledApprox</p> <p>2Sided-Duplex-PaperSize:A4</p> <p>PaperHandling:Tray#1-</p> <p>PaperType:Plain,Thin,Recycled</p> <p>Tray#1-</p> <p>MaxCapacity:Upto250Sheets(80g/m<sup>2</sup>)Approx</p> <p>PaperOutput:Upto100Sheets(80g/m<sup>2</sup>)FaceDownTray;OneSheetFaceUpTrayApprox</p> <p>Copy- Colour /Mono: Yes/Yes</p> <p>Multiple Copies:</p> <p>Sorts/StacksUpto99PagesApprox</p> <p>Enlarge/Reduce:25%-400%(In1%Steps)Approx</p> <p>CopyResolution:600×600dpi</p> <p>2Sided-Duplex-</p> <p>CopyPaperType:Plain,Thin,Recycled</p> <p>2Sided-Duplex-CopyPaperSize:A4</p> <p>Scan-</p> <p>ResolutionInterpolated:Upto19200×19200dpiApprox</p> <p>Scan-</p> <p>ResolutionGlass:Upto600×2400dpiApprox</p> <p>Connectivity:Hi-SpeedUSB2.0</p> <p>DisplayType:16Chars×2Lines</p> <p>MemoryCapacity:32MBAprox</p> <p>PowerSource:220-240VAC50/60Hz</p> <p>PowerConsumption-Ready:Approx60W</p> <p>PowerConsumption-Sleep:Approx6.6W</p> <p>PowerConsumption-Off:Approx0.08W</p> <p>NoiseLevel:50dB(A)Approx</p>	1
27	PCB Milling machine	Branded Company Product with at least three years product warranty	<p>Cutttable Materials: Modeling Wax, Chemical Wood, Foam, Acrylic, Poly Acetate, ABS, PCB,Copper glad, etc</p> <p>Table Size: 225 (X) × 150 (Y) mm or more</p> <p>Drive System: Stepping Motor (X, Y, Z Axis)</p> <p>Operating Speed: 800 mm/min</p> <p>Software Resolution: 0.01 mm/step</p> <p>Position accuracy : 0.01 to 0.02 mm</p> <p>Max Travel Speed (mm/sec)-58 (2.28 ")</p> <p>Drilling (mm)-0.2 -3.175 (8-125 mil)</p> <p>Maximum Drilling Cycles/ Min-50</p>	1



			Spindle Motor: DC Motor Type 380 or More Spindle Speed: Adjustable 20,000 and above rpm or more Tool Chuck Type: Collet Interface: USB or cable Control Commands: RML-1, NC code Power Supply: DC 24V, 2.5A (via AC 100-240V, 50/60Hz adapter) Power Consumption: Approx. 50 W or more	
28	Smart board	Branded Company Product with at least three years product warranty	Display Size: Approx 75Inch (190 cm) Up to Resolution: 4KUHD or Higher Brightness: Min 350 nits; Typ 400 nits Approx Contrast Ratio: Typ 1200: 1 Up to Response Time: Approx 8ms Viewing Angle: Approx 178 Degrees Wide Working Frequency: 1.5GHz Nominal RAM: 4GB or More Internal Storage: 32GB Min OS: Android Based HDMI: 3 Ports USB: 2 Ports Sensing Type: Infrared Touch Frame Surface Protection: 4mm Toughened Glass Or Equivalent Infrared Touch Points: 20 Approx Voltage: DC +5V ±5% Range OPS: Optional	1
29	Computer work stations	Branded Company Product with at least three years product warranty	CPU: INTEL CORE I7-12TH GEN or Higher RAM: 8GB + 512GB SSD or more Conn: LAN + WIFI + BLUETOOTH + KEYMOUSE Display: 20" DESKTOP MONITOR	5



### Mandatory Tools in AICTE –IDEA Lab (Annexure 2)

Sl no	Equipments	Preferred brands if any	Specifications	Quantity
1	Rubber Grip Hacksaw	Reputed brand with excellent quality	Blade length: 254mm-10"	5
2	Micro chisel	Reputed brand with excellent quality	Cold chisels set Size: standard	3
3	Pliers	Reputed brand with excellent quality	Size 6,8 inch Carbon Steel 70-461 Lineman Plier	3
4	Manual PCB drilling machine	Reputed brand with excellent quality	The HSS micro drill bit with 20 different sizes (0.30mm-1.60mm)	3
5	PCB Power Drilling Machine	Reputed brand with excellent quality	220 Volts (AC) Corded Electric Lightweight	3
6	Cordless drilling machine	Reputed brand with excellent quality	Power Source Battery Powered Maximum Rotational Speed 1500 RPM Voltage 12 Volts Amperage 2 Amps Maximum Chuck Size 10 Millimetres	2
7	Jigsaw machine	Reputed brand with excellent quality	Power Source: Corded Electric AC Power Blade Material: Metal Surface Recommendation: Wood	2
8	Power circular saw	Reputed brand with excellent quality	Blade Material: Alloy Steel Surface Recommendation: Wood Power Source: Corded Electric , Feature: depth adjustment	2
9	Files set	Reputed brand with excellent quality	flat files 3" Length, For 4" & 6" Files	1 set
10	Files handles	Reputed brand with excellent quality	File Harndle -Plastic 3" Length, For 4" & 6" Files	1 set
11	Needle files	Reputed brand with excellent quality	needle file set steel 12 pcs, 4x160 mm length assorted shapes	2 sets



12	Pipe vice	Reputed brand with excellent quality	Nominal Pipe Size: 15-165 mm • Screw Spindle Diameter: 30mm	2
13	Mini hacksaw	Reputed brand with excellent quality	Saw Frame Wooden/plastic Handle, 6" Blade	5
14	Ball peen hammer	Reputed brand with excellent quality	Drop Forged 200g, Proseries, Powder Coate Head, Wedge Secured, Ash Wood Handle, Induction Hardened & CNC Machined	5
15	Steel shaft claw hammer	Reputed brand with excellent quality	Claw Hammer - Drop forged 225 grms with ash wood handle	5
16	Nylon mallet	Reputed brand with excellent quality	Head Material: nylon Handle Material: Alloy Steel with grip	5
17	Rubber mallet	Reputed brand with excellent quality	Head Material: rubber Handle Material: Alloy Steel with grip	5
18	Allen keyset	Reputed brand with excellent quality	1.5, 2, 2.5, 3, 4, 5, 5.5, 6, 8, 10mm	3 set
19	Dremel multi tool kit	Reputed brand with excellent quality	Powerful 130W Motor • Compatible with all Dremel accessories & attachments • Variable speed: 10,000 - 33,000rpm • Collet lock	2
20	Double ended spanner set	Reputed brand with excellent quality	8-11, 13, 14, 17 & 19MM	2 set
21	12 piece open ended spanner set	Reputed brand with excellent quality	6x7, 8x9, 10x11, 12x13, 14x15, 16x17, 18x19, 20x22, 21x23, 24x27, 25x28, 30x32MM	2 set
22	Belt and disc sanding machine	Reputed brand with excellent quality	Maximum Rotational Speed: 2980 RPM Voltage: 230 Volts (AC)	1
23	Scroll saw machine	Reputed brand with excellent quality	220 - 240V Powerful, brushless 2-speed motor (205W) Stroke alternatively 900 or 1,400rpm	1
24	Tool wall covering perforator	Reputed brand with excellent quality	Wallpaper roller	3

25	Dremel moto saw	Reputed brand with excellent quality	Amperage: 0.6 Cord Length (ft.): 9.0 Stroke Length (in): 0.315	1
26	Bench grinding machine	Reputed brand with excellent quality	Powerful motor Accepts cotton buffing and wire brush wheels Sturdy cast iron base with rubber mounts	1
27	Power return measuring tape	Reputed brand with excellent quality	Blade Length 7.5 Metres Width 25mm Case Material Type Stainless Steel Blade Material ABS, High Carbon Steel, Polyvinyl Chloride	5
28	Tri square	Reputed brand with excellent quality	Squares are best used as measurement tools and for marking 90° angles Size – 8 Inch	5
29	Stainless steel rule	Reputed brand with excellent quality	Style: 40 inch, 100 cm 1 meter Graduation Range: 0-100 Centimeters • Double-sided laser printing • High quality stainless steel material	5
30	Digital Vernier caliper	Reputed brand with excellent quality	Item Height: 0.1 Centimeters Item Width: 2 Centimeters Power Source: Battery Powered • Resolution: 0.01 inch	5
31	Spirit level	Reputed brand with excellent quality	Spirit Level Freemans Spirit without Magnet 300mm (12"), 3 Vials. Pro Series, 45°, 90° & 180° Vials,	5
32	Dremel cordless rotary tool	Reputed brand with excellent quality	Voltage 3.7 Volts • Power Source Battery Powered • Special Feature Led Light, Variable Speed, Cordless, Compact	1



33	Power router	Reputed brand with excellent quality	Voltage : 220V-240V~50/60Hz Input power : 1600W No-load speed : 22000 rpm	1
34	sewing machine	Reputed brand with excellent quality	12 Stitch Patterns,Sewing Machine For Home Tailoring With Zig Zag,Pico,Single Needle Sewing,Automatic Thread Rewind	1
35	Impact drill	Reputed brand with excellent quality	Power Source: Corded Electric • Maximum Rotational Speed: 3000 RPM • Voltage: 240 Volts • Amperage: 14 Amps • Maximum Chuck Size: 13 Millimeters	3
36	Ratchet set	Reputed brand with excellent quality	Yato' Socket & Bit Set 1/4" Sq.Drive, 46 Pes. Set, 3 To 14mm Sockets, 25 Assorted Screw Driver Bits With Accessories In Blow Moulded Box, Ideal For Any Automobile Or Engineering Industry	2
37	Router bit starter kit	Reputed brand with excellent quality	Powerful 550W motor and a higher rpm provides fast trimming and quality work	1
38	Scroll saw	Reputed brand with excellent quality	220 - 240V Powerful, brushless 2-speed motor (205W) Stroke alternatively 900 or 1,400rpm Stroke length 19mm	1

## Electrical Tools

(Annexure 2)


Sl no	Equipments	Preferred brands if any	Specifications	Quantity
1	Hot air blower with soldering iron	Branded Company Product with at least three years product warranty	ESD safe. • Microcontroller-based smart circuit design. • An integrated blower within the handheld unit. • Built-in temperature sensor for precise measuring. • Digitally Controlled. • Built-in cut-off sensor when placed on Cradle. • Rubber grip for non-slippery use.	5
2	Tin cutter with spring	Branded Company Product with at least three years product warranty	Tin Cutter 10" Drop Forged, Heavy Duty, Pro Series	10
3	Centrifugal blower	Branded Company Product with at least three years product warranty	Voltage: 220 Volts • Form Factor: Handheld	1
4	Screw driver set	Branded Company Product with at least three years product warranty	Material: Plastic, Metal • Recommended Uses For Product: PC,Furniture,Automotive,Appliance,Household,Game Console,Electronic Devices • Special Feature: Ergonomic, Magnetic Tip	2 set
5	Cutting mats	Branded Company Product with at least three years product warranty	Cutting Mat Double Sided, • Non-Slip, • Waterproof Hobby Mat, • Large PVC Rotary Cutting Mats for Crafts, Sewing, Quilting, Fabric, Scrapbooking.	5
6	Vaccum cleaner	Branded Company Product with at least three years product warranty	Power: 800W Dust Capacity: 12 liters Vacuum Pressure: 16 kPa Air Flow: 1.7 m <sup>3</sup> /min	2
7	Hot air gun	Branded Company Product with at least three years product warranty	1800 Watt, 230 Volt, Pistol Grip, Up to 550 degree centigrade • 3 meter Cable Length • It goes up to a temperature of 550°C and airflow rate of up to 750 L/min • Power Source: Corded Electric • Wattage: 1800 Watts • Voltage: 230 Volts	5
8	Micrometer	Branded Company Product with at least three years product warranty	Item Height: 15 Centimeters • Item Width: 6 Centimeters • Micrometer 0-25MIC	5



9	Glue gun	Branded Company Product with at least three years product warranty	Glue gun comes with a copper nozzle, which leads to low melting points and strong stickiness. • It attains its maximum adhesive strength and dries in a few seconds. • Power Source: Corded Electric • Wattage: 20 Watts • Style: Trigger	5
10	Air compressor	Branded Company Product with at least three years product warranty	Power supply: DC12V • Rated current : 10A Noise Level: 69 dB • Maximum Power: 1.5 Horsepower	1
11	Allen set wrench	Branded Company Product with at least three years product warranty	IMPERIAL, L/ARM (1/16, 5/64, 3/32, 7/64, 1/8, 9/64, 5/32, 3/16, 7/32, 1/4, 5/16, 3/8 Ball Tips)	5 set
12	Tongue and groove pliers	Branded Company Product with at least three years product warranty	Slip Joint Pliers • 12/10/7 Inch Groove Joint Pliers, Wrench Pliers, CRV Tongue and Groove Pliers	5
13	Non contact voltage tester	Branded Company Product with at least three years product warranty	Measurement Type: Voltage Tester • Maximum Operating Voltage: 1000 Volts	5
14	Wire stripper	Branded Company Product with at least three years product warranty	Handle Material: Alloy Steel • Grip Type: Power	5
15	Fish tape	Branded Company Product with at least three years product warranty	Handle Material: Road dia: 3mm • Provided in a high impact resistant casing • Can be used for pulling wires in false ceilings, exposed and populated conduits • Provided with rod ends on both ends of tape, standard end fitments include 7mm flexi GUIDE and a Bullet pulling eye.	2
16	Flash lights	Branded Company Product with at least three years product warranty	Rechargeable 3 Watts Strip Light & 1 Watt Spot Light LED 2 Hours Working, 2 Hours Charging, 3.7 Volt L-Ion Battery, 800mAh, 185 x 35 x 20 mm Size With Pocket Clip & Magnet, Micro USB Input	2
17	Dc regulated power supply	Branded Company Product with at least three years product warranty	Input Voltage Range: 115 to 230V AC Output Voltage Range: 0-30V DC Max current Handling Capacity :10A Onboard USB charging interface with multiple fast charging protocols support	3



18	Solder wick	Reputed brand with excellent quality	100gm	1
19	Filament dehydrator	Branded Company Product with at least three years product warranty	Compatible with all most of the 1KG filament reels • Remove Excess Moisture	1
20	Reflow oven	Branded Company Product with at least three years product warranty	Maximum width of PCB board: 300×320 mm Power supply: AC 220V /50Hz Peak power: 1500W Temperature Range: 0 °C -280 °C	1
21	Glass cutter	Branded Company Product with at least three years product warranty	cutting stained glass and other craft and household uses. With antislip handle, for safety and comfortable grip Glass cutting head is replaceable and can 360-degree rotate Mini size,easy to carry around	1
22	Digital multimeter	Branded Company Product with at least three years product warranty	The frequency is 50Hz, the voltage is approx 3Vp-p. The output jack is "V ohm mA" and "COM" • When testing the magnifying ratio of the transistor, turn the switch position and connect the transistor to the eight hole jack. • When testing DC voltage, AC voltage, DC current, resistance, diode, buzzer and battery, connect the red test lead to V 0 mA jack and black test lead to COM jack. • When testing the current more than 200mA. • Power Source: Battery Powered • Style: Digital	5
23	Clothes iron	Branded Company Product with at least three years product warranty	Non-stick coated golden color sole plate • Light weight and 360 degree swivel cord • Thermal fuse for safety • Power: 1000 watts • Frequency: 50 Hz	5
24	Oscilloscope	Branded Company Product with at least three years product warranty	Digital Storage Oscilloscope 100 MHz 2 Channel 1Gsa/s: 100 MHz;2 channels; 1 GSa/s; 2Mpts memory depth; 50,000 wfm/s waveform capture rate, Waveform math functions: +, -, *, /, FFT,6 digital frequency counter, Screensaver from 1 minute to 5 hours, Digital filter and waveform recorder function,7-inch TFT-LCD display with (800 * 480) resolution Multiple interfaces: USB Host, USB Device (USBTMC), LAN (VXI-11),	4





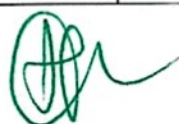
**Networking tools****(Annexure 2)**

Sl no	Equipments	Preferred brands if any	Specifications	Quantity
1	C clamp	Reputed brand with excellent quality	C-Clamp -Drop Forged 2", Carbon Steel, Powder Coated	10
2	Ratchet clamp	Reputed brand with excellent quality	8inches/200mm	10
3	Baby vices	Reputed brand with excellent quality	60mm	5
4	Anvil	Reputed brand with excellent quality	Small 20 kg SG Iron Casting	1



### Mandatory Consumables

Sl no	Particulars	Condition	Quantity
1	Acrylic Sheet 3mm, 4ft x 4ft	Very Good Quality	20
2	Acrylic Sheet 4mm, 4ft x 4ft	Very Good Quality	20
3	Acrylic Sheet 5mm, 4ft x 4ft	Very Good Quality	20
4	Foam Sheet 8mm, 4ft x 4ft	Very Good Quality	2
5	Foam Sheet 10mm, 4ft x 4ft	Very Good Quality	1
6	Foam Sheet 12mm, 4ft x 4ft	Very Good Quality	1
7	Foam Sheet 15mm, 4ft x 4ft	Very Good Quality	1
8	Ply Board 5mm, 2ft x 4ft	Very Good Quality	12
9	Nylon Rod 10mm, 1m	Very Good Quality	5
10	Nuts (3mm,4mm,5mm, 6mm,8mm,10mm, 12mm) Pack of 100	Very Good Quality	1
11	Bolts (3mm,4mm,5mm, 6mm,8mm,10mm, 12mm) dia 1" Inch Pack of 100	Very Good Quality	1
12	Screws (3mm,4mm,5mm) Pack of 100	Very Good Quality	1
13	Washers (3mm,4mm,5mm, 6mm,8mm,10mm, 12mm) Pack of 100	Very Good Quality	1
14	Studs (6mm,8mm) 1 Meter	Very Good Quality	2





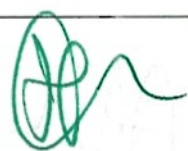
15	Nails (1",2",3",1.5",5") Pack of 100	Very Good Quality	1
16	Fevicol 2Kg	Very Good Quality	1
17	2 Way Tape	Very Good Quality	10
18	PVC Pipe .75",10ft	Very Good Quality	10
19	PVC Pipe 1",10ft	Very Good Quality	10
20	PVC Pipe 1.5",10ft	Very Good Quality	10
21	PVC Pipe 2.0",10ft	Very Good Quality	10
22	Aluminium channels (L, C, Box, strip length 12ft)	Very Good Quality	2
23	PCB Drill Bit 0.4mm	Very Good Quality	10
24	PCB Drill Bit 0.8mm	Very Good Quality	10
25	PCB Drill Bit 1mm	Very Good Quality	10
26	Drill Bit 4mm	Very Good Quality	10
27	Drill Bit 5mm	Very Good Quality	10
28	Drill Bit 6mm	Very Good Quality	10
29	Arduino UNO R3	Very Good Quality	5

30	Arduino NANO	Very Good Quality	5
31	USB cables	Very Good Quality	10
32	Glue sticks	Very Good Quality	50
33	Hacksaw blades 6" & 12"	Very Good Quality	10 each
34	9V battery snaps	Very Good Quality	20
35	LAN cables For connecting Raspberry Pi	Very Good Quality	5
36	9V batteries	Very Good Quality	20

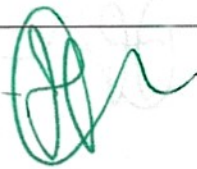


### Optional Equipments & Consumables in AICTE IDEA Lab (Annexure 3)

Sl no	Equipments	Preferred brands if any	Specifications	Quantity
1	Coil Winding machine	Branded Company Product with at least three years product warranty	1/3 Manual Hand Operated Motor Coil Winding Machine With Analogue Counter Meter Heavy body HCH Bering MS plate Coil Winding Machine Made From Full Casting Body And Gears Made From High Quality Casting Process.	1
2	Plotter-Printer	Branded Company Product with at least three years product warranty	Product Dimensions 100D x 30W x 30H Centimeters Operation Mode Automatic Item Weight 25 Kilograms Sticker Plotter (24inch) Mobile Skin Cutting Plotter	1
3	HAM Radio transceiver, antenna, and related equipment	Branded Company Product with at least three years product warranty	168 dB maximum link budget +20 dBm – 100 mW constant RF output at 3.3V Supply Compatible with Arduino UNO Programmable bit rate up to 300 kbps High sensitivity: down to -148 dBm Bullet-proof front end: IIP3 = -12.5 dBm Excellent blocking immunity Low RX current of 10.3 mA, 200nA register retention Fully integrated synthesizer with a resolution of 61 Hz FSK, GFSK, MSK,	1



			GMSK, LoRa and OOK modulation	
4	Sublimation machine with printer	Branded Company Product with at least three years product warranty	sublimation Printing Setup   5in1 Combo with L8050 6 Color Sublimation Printer, 200 Sublimation Paper   Heat Tape 5 Pcs   3 Pcs T-Shirt   Mouse PAD 2 Pcs   with Installation Guide	1
5	Laser engraving on metal articles, table top machine	Branded Company Product with at least three years product warranty	Laser Engraver, 4000mm/s Lightning Speed Portable Laser Engraving Machine, Ultra HD Laser Engraver for Wood, Metal, Leather, Acrylic, Glass, and More.	1
6	Multi wireless IoT Kit	Branded Company Product with at least three years product warranty	Raspberry Pi Pico W Arduino Uno Provision to Interface RPi 4/5 externally Onboard RGB LED Active High Push Buzzer Active Low Push Button Active High Buzzer 2 Slide Switch 2 5V 5A Relay High Precision Potentiometer 3.2" TFT Color Display IR Sensor (Digital Output) LM35 Temperature Sensor (Analog Output) DHT11 Temperature and Humidity Sensor Cellular: SIM808 GSM Zigbee: Xbee S2C 2mW Wireless Module with Antenna	3





			LoRaWAN: LA66 Wi-Fi Module: ESP8266 ESP01 Bluetooth Module: HC05	
7	Automated motor controller	Branded Company Product with at least three years product warranty	I/O Controller 2 x Digital Input (bi-direction) 2 x Digital Output 2 x Relay Output (5A@250VAC / 30VDC) 2 x 0~20mA Analog Input (res:0.01mA) 2 x 0~30V Analog Input (res:0.01v) Power Input 0~24V Frequency Bands: IN865 AT Commands to change parameters Remote configure parameters via LoRa® Downlink Firmware upgradable via program port Applications: Smart Buildings & Home Automation Logistics and Supply Chain Management Smart Metering Smart Agriculture Smart Factory	2
8	Robotics Kit	Branded Company Product with at least three years product warranty	Beginners kit containing, Arduino boards, sensors, servo motors etc	5
<b>Consumables</b>				
1	SENSOR SET INCLUDING SENSORS FOR HOME,INDUSTRY,AGRICULTURE AUTOMATION,MEDICAL	Branded Company Product with at least three years product warranty	Model: Sensor kit Flame Sensor Atmospheric Pressure Sensor Temperature & Humidity Sensor IR Sensors Line Sensor Touch sensor Joystick Potentiometer sensor	1

			Buzzer module soil moisture sensor rain drop sensor PIR motion sensor Ultrasonic sensor Relay module LDR Sensor Heart rate sensor MQ 135 - Air quality Sound Detection Sensor Analog Temperature sensor Water Depth sensor Vibration sensor	
2	ARDUINO UNO BOARDS WITH USB A TO B CABLE, and Jumper wires all type	Branded Company Product with at least three years product warranty	Clock Speed: 16 MHz SRAM: 2 EEPROM: 1 KB (ATmega328) Flash Memory: 32 KB Operating Voltage (VDC): 5 Input Voltage (V): 6-20V Analog I/O Pins: 6 Digital I/O Pins: 14	1
3	NODEMCU ESP8266 BOARD WITH USB A TO B CABLE, WIRES	Branded Company Product with at least three years product warranty	Power input: 4.5V ~ 9V (10VMAX) Transfer rate: 110- 460800bps UART / GPIO data communication interface Working temperature: -40°C ~ + 125°C Flash size: 4MByte	1
4	RASPBERRY PI 4 BOARDS WITH HDMI TO MINI HDMI CABLE, 8 GB MEMORY CARD, ADAPTOR, CASE	Branded Company Product with at least three years product warranty	RAM Memory: 4GB HDMI to MINI HDMI Cable 8 GB Memory Card Power Adaptor Raspberry Pi Case	1
5	BEAGLEBONE ARTIFICIAL INTELLIGENCE BASED APPLICATIONS	Branded Company Product with at least three years product warranty	BeagleBone AI-64, TDA4VM Processor: Texas Instruments Jacinto TDA4VM 2x ARM Cortex-A7 2 Network: Gigabit	1



			<p>Ethernet M.2 key E PCIe / USB / SDIO slot Built-in sensors: CPU temperature sensor GPIO connector compatible with BeagleBone Black 4 GB of RAM and 16 GB of built-in eMMC Flash memory USB Type-C for board powering and programming Two USB Type-A ports as host Gigabit Ethernet connector M.2 Key E connector for connecting WiFi / Bluetooth extensions mini-DisplayPort, 2x 4-lanes CSI, DSIMake: Beaglebone Model: Beaglebone AIMake: Beaglebone Model: Beaglebone AI</p>	
6	BEAGLEBONE BLACK WIRELESS	<p>Branded Company Product with at least three years product warranty</p>	<p>ARM Cortex-A8 32- Bit RISC microprocessor, up to 1GHz Onboard HDMI to connect directly to TVs and monitors More and faster memory now with 512MB DDR3L 400MHz SDRAM, 4GB eMMC Memory Onboard storage frees up the microSD card slot for greater expansion Support for existing Cape plug-in boards TPS65217C PMIC regulator and one additional LDO Debug support: Optional onboard 20-pin CTI</p>	1

			JTAG HS USB 2.0 Client and Host ports	
7	ESP32 CAM DEVELOPMENT BOARD WIFI BLUETOOTH WITH OV2640 CAMERA MODULE	Branded Company Product with at least three years product warranty	ESP32 CAM Development Board WiFi+Bluetooth with OV2640 Camera Module Input Voltage: 5V Operating Temperature: - 20~85°C SPI Flash: Default 32Mbit RAM: 520KB SRAM + 4MB PSRAM Bluetooth: Bluetooth 4.2 BR/EDR and BLE standards Wi-Fi: 802.11 b/g/n/ UART Baudrate: 115200 bps	1
8	SOLNOI ELECTONICS RASPBERRY PI 3 CAMERA MODULE NIGHT VISION CAMERA	Branded Company Product with at least three years product warranty	Raspberry Pi 3 camera Resolution: 8 Megapixel Supports 1080p30, 720p60 and 640x480p90 video Connects to the Raspberry Pi board via a short ribbon cable Camera v2 is supported in the latest version of Raspbian, Raspberry Pi's preferred operating system Uses the Sony IMX219PQ image sensor – high-speed video imaging and high sensitivity	1



## Terms and Conditions

The following Terms and Conditions apply to all bidders 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 equipments and materials must be delivered in the quantities and specifications as mentioned in the purchase order issued by the purchaser. The delivery location is specified in the purchase order. The entire contract shall remain valid for a period of **3 years** from the date of award

### 2. Bid Submission Guidelines

Bids may be submitted either via email (digitally signed) or in hard copy form, as specifically mentioned in the tender notice. All quotations must be printed on the bidder's official letterhead and duly signed by an authorized representative.

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

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

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

### **3. Technical Documentation and Compliance**

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

bidder 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 bid. Wherever available, URLs to the OEM's official product page should also be provided for cross-verification.

Each bidder 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 bidders 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.

Bidders 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 bidder 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 bidder to participate in the tender.



## 5. Financial Criteria

Each bidder must submit the last three financial year (FY 2022-23, 2023-24, 2024-25) turnover supported by CA certified 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 bid.

## 6. Evaluation and Award of Contract

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

All bids 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 bidder whose offer is determined to be technically responsive and lowest in cost.

The purchaser reserves the absolute right to reject any or all bids 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 bidder 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 bidder.

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 bidder must submit all necessary documentation (delivery challans, installation report, warranty documents, training certificate, invoice, etc.) to process payment.



## 9. Other Conditions

No bidder 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. Bids with partial compliance or deviations shall not be entertained.

## 10. Submission Deadline and Contact Details

All quotations must be submitted within date 25/10/2025 Time 5.30 PM to [idealab@kittiptur.ac.in](mailto:idealab@kittiptur.ac.in) and send the hard copy to

**PRINCIPAL**

**KALPATARU INSTITUTE OF TECHNOLOGY**

**AICTE IDEA Lab**

**NH206, BH Road, Hassan Circle,**

**Tiptur-572201, Karnataka, Email: [idealab@kittiptur.ac.in](mailto:idealab@kittiptur.ac.in), Mob: 9740016919**

### *Contact*

#### **Chief Mentor:**

**Dr. H.C.Sateesh Kumar**

**Principal, Kalpataru Institute of Technology,**

**Mob: 9740016919**

#### **Co-ordinator:**

**Dr.T.S.Siddalingaprasad**

**Professor, Mechanical Engineering Dept.**

**Mob: 9844023622**

#### **Co-coordinator**

**Dr.Hadimani Shivakumar**

**Professor. Electronics & Communication Dept.**

**Mobile: 6361917798**





Format for bid/quotation submission  
**Covering letter ( company letterhead)**

To  
The Principal/Chief mentor  
AICTE IDEA Lab  
Kalpataru Institute of Technology  
Tiptur-572201

As per the tender notice our company is quoting the prices along with technical specification  
For Annexure 1 & Annexure 2

Sl no	Equipment	Make	Specification	Quantity	Unit price	GST (%)	Total Price

For consumables

Sl no	Item	Make	Specification if any	Quantity	Unit price	GST (%)	Total Price

(The above format or similar format is used to bid. Send the copy with signature to the above mentioned address in a closed envelope by post/courier. Send technical and financial bid separately in a closed envelop. Also send MS Excel format to [idealab@kittiptur.ac.in](mailto:idealab@kittiptur.ac.in))

**Company Name:**

**Contact person:**

**Designation:**

**Email:**

**Phone number:**

**Company PAN:**

**Company GST:**

**Signature with date & Seal**



## **Declaration**

*(To be made on 500 Rs stamp Paper as Notarized Affidavit)*

**I ..... Proprietor/partner of the company..... (Company name) bearing GST number..... and PAN..... (Company PAN), Located head office at.....(complete address) is declaring the terms mentioned in this affidavit for placing quotation to IDEA Lab in Kalpataru Institute of Technology, Tiptur-572201.**

**Our company is not blacklisted or debarred by any Educational institutions/Industries/ Govt departments in India.**

**Our company is abide for the terms and conditions mentioned in the tender notice**

**Our company provided information are true and correct to the best of our knowledge and belief**

**Our company is aware of that the use of AICTE name, IDEA Lab name or logo in our company marketing is prohibited unless authorization granted by AICTE.**

**Our company assures that the equipments are not supplied from China and Pakistan.**

**Our company fully comply with the Govt of India's guidelines and amendments on procurement of goods from other countries.**

**Our company fully comply with the Govt of India's guidelines as per GFR rules 2017 & updates on 31/07/2024**

**Our company undertakes that if at any stage the above declaration is found to be false, Kalpataru Institute of Technology shall terminate the contracts and blacklist our company for future.**

**Declarant Name and Signature**

*Notary*

