Vivekananda Institute of Professional Studies - Technical Campus

योगः कर्मसु कौशलम्
IN PURSUIT OF PERFECTION

Approved by AICTE, Accredited Grade "A++" Institution by NAAC , Recognized under Section 2(f) by UGC, Affiliated to GGSIP University

Dated: 15th /November/2025

Tender Ref. No.: VIPS-TC/VSET/AICTEIDEALAB/2025/01

Tender Notice

Subject: Call for Quotation for Equipment / Accessories/ Consumables / Tools for AICTE-IDEA Lab

Dear Sir/ Ma'am,

Sealed Hard Copy 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 (VIPS-TC). The laboratory is to be developed as per the AICTE guidelines for promoting innovation, design thinking, and prototyping skills among students and faculty.

Detailed specifications and item lists are available on the Institute website: https://vips.edu

Quotation must be submitted in a sealed envelope clearly superscribed with the Tender Reference Number and should be dropped in a box kept at the reception Block C of the institute on or before **12th Dec 2025 (04:00 PM).** Bidders are required to submit their quotation in two separate sealed envelopes – one containing the Technical Bid and the other containing the Financial Bid. Both envelopes must be enclosed together in a common sealed envelope.

The college authority reserves all rights to follow the norms and standards as per Institute policy.

The detailed specifications of the required items are as below:

S. No.	Equipment	Preferred brands if any	Specification/s	Quantity	Price	Required to be filled by bidder
1	Laser Cutter	A branded product from a recognized company with at least three to five years product warranty	Working Area: Min 1220 x 2440 mm or above Laser Type: CO2 DC Glass Laser Tube/RF Metal Laser Tube Laser Power: 130W 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: CO2 Focus Lens: 1 No. Mirror 25mm: 3 Nos. Acetone: 1 litre Acrylic sheet: 2 Nos	1		
2	Vinyl Cutter	A branded product from a recognized	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	1		

		company with at least three to five years product warranty	inch or more Cut speed: up to 14.1 ips			
3	3D Printer	A branded product from a recognized company with at least three to five years product warranty	Printing Technology: Fused Filament Fabrication (FFF) or Fused Deposition Modeling (FDM). Printable Area: The minimum printable area should be at least 310 x 310 x 310 mm or above Printer Design: Core XY or Cartesian. Temperature Range: Hot end: Up to 300°C or above Heat bed: Up to 120°C. or above. Nozzle: Compatible with All polymers, 0.4, 0.6 and 0.8mm Steel Sheet: Provided with satin or smooth PEI surface. Filament Diameter: 1.75mm (supports PLA, PETG, ASA, ABS, etc.). Extruder: Gearbox with 1/10 ratio, Speed : 550 MM/Sec or above Stepper Drivers for smooth motion. or equivalent Stepper Motors: Choose between 1.8° or precise 0.9° X, Y stepper motors. LCD Screen: 3.5″ graphic 65k color screen or larger. Connectivity: USB drive, LAN, or internet. Supported Materials: PLA, PETG, ASA, ABS, PP, PC, flexible filaments, and more. Wi-Fi Module: Built-in (network connectivity not required for setup or operation). Compatibility: Windows, macOS, Linux. Printer Dimensions: The maximum physical dimensions of the system 700 X 700 X 700 or above. Fully enclosed Machine.	1		
4	3D Scanner	A branded product from a recognized company with at least three to five 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 Effective Working Distance: 160mm-1400mm Scan Speed 980,000points/s, up to 14FPS, Align Modes Feature Alignment, Hybrid Alignment, Texture Alignment, Global Markers, Safety Eye-safe, Texture Scan Yes, Interface USB2.0 or above, Outdoor Scanning Yes, Output Formats OBJ; STL; PLY; P3; 3MF, Scanning Environment: Indoor and outdoor (shaded) Texture / Color Scanning: Yes Minimum Capturable	1		

			Feature Size: 0.2 mm or less Scanner Weight: 500 grams or less Scanner Dimensions: upto 240 × 60 × 60 mm Compatible OS: Any OS supporting a modern web browser			
5	CNC Router	A branded product from a recognized company with at least three to five years product warranty	Working Area: Min 1300 x 2500 mm Z Axis Working Area: 200 or above Resolution: ±0.03/300mm or more CNC Spindle: 3KW or more Lathe Structure : Welding Steel Structure or equivalent XYZ Structure: Rack Pinion , Ball Screw Linear Rails Max Spindle Speed : Min 18000RPM Table: T-Slot/Vacuum Bed/Water Bed Repeatability: ±0.03 Working Mode: Stepper Motor/Servo Motor Dust Collector : To be included by Vendor Voltage: AC 220V/415V, 50/60 Hz, 3 Phase	1		
6	Mini Desktop Lathe cum Milling	A branded product from a recognized company with at least three to five years product warranty	Centre Width: Up to 400 mm or better Height of Centers: Up to 88 mm Maximum Workpiece Diameter: Up to 100 mm Machine Base: Cross-ribbed surface, high-quality cast iron with ground prismatic guide, capable of fitting milling/drilling attachment Spindle: Supported with adjustable taper roller bearings Spindle Receiver: MK3 or compatible Spindle Drill Hole: Up to 22 mm or better Spindle Concentricity: Up to 5 microns or better Chuck: 3-jaw chuck as per DIN 6386, centrically clamped, 100 mm diameter or better Run Out (without Chuck): Up to 10 microns Sleeve Receiver: MK2, retractable sleeve with scale Spindle Speed Range: Between 50 to 2500 rpm Speed Stages: 6-8 Motor Rating: 550W or better, induction motor, single phase 230V, Traverse Cross: Up to 70 mm or better Traverse Longitudinal: Up to 300 mm or better Weight (Complete): Up to 55 kg or more, Additional Accessories: Splash guard and chip collecting tray: 1 No. Cutter set with tungsten inserts: 2 Nos. Milling Attachment: 1nos Tungsten disposable tips ten-piece set: 1 No. Sample workpieces (Nylon Rod, Aluminium Rod) Desktop:1 No.	1		
7	Drilling M/c 1 HP Motor	A branded product from a recognized company with at least three to five years product warranty	Pillar Type Drilling Machine, Drilling Capacity: Up to 25 mm (mild steel), Motor Power: 1 HP, Spindle Speed: 100 – 3000 RPM (variable), Spindle Travel: 100 – 150 mm, Spindle Taper: MT2 or MT3, Column Diameter: 73 – 100 mm, Working Table Size: 250 × 250 mm	1		

			(approx.), Base Size: 400 × 600 mm (approx.), Height: 900 – 1300 mm, Drive Type: Belt Drive, Power Supply: 220V/440V, 50 Hz, Construction: Cast iron base and steel column			
8	Handheld High Speed Drilling M/c-15000 RPM with accessories	A branded product from a recognized company with at least three to five years product warranty	Technology: Handheld Electric Drill, Drilling Capacity: Up to 10 mm (steel), Motor Power: 400 – 700 W, No-Load Speed: 0 – 15,000 RPM, Chuck Size: 1.5 – 10 mm (keyless or keyed), Body Material: ABS plastic or metal housing, Power Supply: 220V, 50 Hz, Control: Variable speed trigger, Accessories: Drill bit set, auxiliary handle, depth gauge, carrying case, Special Features: Reversible rotation, electronic speed control	2		
9	Solder stations	A branded product from a recognized company with at least three to five years product warranty	Technology: Temperature-Controlled Soldering Station, Power Rating: 60 – 80 W, Temperature Range: 200°C – 480°C, Display: Digital or Analog temperature display, Tip Type: Replaceable (standard conical and chisel tips), Control: Variable temperature control knob or digital buttons, Heating Element: Ceramic or metal core, Accessories: Soldering iron stand, cleaning sponge/brass wool, extra tips, Safety Features: ESD safe, overheat protection, auto sleep mode (optional)	5		
10	Advanced, motorized Sewing Machine	A branded product from a recognized company with at least three to five years product warranty	Motor: 120 W Max Sewing Speed: 860 SPM Power: 220 - 240 V Automation Grade: Automatic Max Stitch Length: 4mm Thread Type: Computerized Weight:7.6 kg Number of Stitches:120 Size/Dimension: 50.8 cm x 29.464 cm x 40.64 cm Maximum Stitch Width: 7 mm Number of Buttonhole Styles:7 LCD Screen Display: Yes Bed Type Free Arm/Flatbed convertible Bobbin Type Drop & Sew Bobbin System	1		
11	Wood Lathe	A branded product from a recognized company with at least three to five 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		
12	Power Tools	A branded product from a recognized company with at least three to five years product warranty	Technology: Corded/Cordless Electric Power Tools, Motor Power: 500 – 1000 W (corded) / 12V–20V (cordless), Included Tools: Drill machine, impact driver, angle grinder, jig saw, rotary hammer, blower, heat gun, Accessories: Drill bits, screwdriver bits, spanner, carbon brush, carry case, Battery (for cordless): Li-ion, 2.0–4.0 Ah, Speed	1		

			Control: Variable speed with forward/reverse function, Special Features: Ergonomic grip, LED light (cordless), thermal overload protection			
13	Portable Welding M/c	A branded product from a recognized company with at least three to five years product warranty	Welding Current (at 40°C, 10 min cycle): 120A @ 100%, 150A @ 60%, 200A @ 35% Supply Voltage: 240V +10%, -15%, 1 Phase, 50/60 Hz Open Circuit Voltage: 55V DC ±5V Welding Current Range: 15–200 Amps DC Insulation Class: F Type Ingress Protection: IP21 Dimensions (L×W×H) with Handle: upto 320×120×195 mm Weight (Approx.): 4.3 kg or less	1		
14	Refrigerator	A branded product from a recognized company with at least three to five years product warranty	Capacity:183L or more AnnualEnergyConsumption:148kWh/Year or less RefrigeratorFreshFoodCapacity:165L or more Freezer Capacity: min 18L BottleCount:5 or more NoiseLevel:40dB or less Installation Type: Freestanding	1		
15	Normal and Microwave Oven	A branded product from a recognized company with at least three to five 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		
16	Magnifying Glass with Stand	A branded product from a recognized company with at least three to five years product warranty	Lens Type: Optical Glass or Acrylic, Magnification: 3X – 10X, Lens Diameter: 90 – 130 mm, Light Source: LED Ring Light (white), Stand Type: Adjustable or Articulated Arm with Base Clamp or Heavy Base, Power Supply: USB or AC Adapter (5V–12V), Special Features: Adjustable neck, anti-glare lens, dust cover, inbuilt lighting, hands-free operation,	2		
17	Digital Microscope	A branded product from a recognized company with at least three to five 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		
18	Mixed Signal Oscilloscope	A branded product from a recognized company with at least three to five years product warranty	Bandwidth: Up to 100 MHz Analog Channels: 4 or more Real-Time Sampling Rate: Maximum 1 GSa/s per channel Memory Depth: 10 Mpts per channel Waveform Update Rate: Approximately 120,000 wfms/s Vertical Resolution: 8 bits Vertical Scale: Ranging from 1 mV/div to 10 V/div Horizontal Scale: Spanning 1 ns/div to 100 s/div Spectrum Analyzer Frequency Range: DC to 500 MHz FFT Points: Up to 1M points for	1		

			enhanced frequency domain resolution Waveform Math Functions: Includes addition, subtraction, multiplication, division, minimum, maximum, root, square, absolute, inverse, derivative, integral, and low-pass filter Trigger Types: Edge, Pulse Width, Video, Pulse Runt, Rise & Fall (slope), Alternate, Timeout, Event-Delay, Time-Delay, and Bus Arbitrary Waveform Generator (AWG): Dual-channel, 25 MHz, supporting various waveforms such as sine, square, pulse, ramp, DC, noise, sinc, Gaussian, Lorentz, exponential rise/fall, haversine, and cardiac AWG Sample Rate: 200 MSa/s AWG Vertical Resolution: 14 bits Display: 8-inch WVGA TFT LCD (800 × 480 pixels) Data Logging Capability: Up to 1000 hours Segmented Memory: Supports up to 29,000 segments for efficient waveform storage and retrieval Connectivity: USB 2.0 (host and device), Ethernet (RJ45), and Go-NoGo BNC Dimensions (W × H × D): 380× 200× 125 mm or above Weight: 2 Kgs or above Safety Compliance: Conforms to IEC 61010-1 and IEC 61010-2-030 standards, suitable for CAT III 600V and CAT II 1000V environments with Pollution Degree 2 classification			
19	Digital Storage Oscilloscope	A branded product from a recognized company with at least three to five years product warranty	Number of Channels: Up to 2 independent analog inputs Memory Record Length: Up to 10 Mpts for extended waveform capture Bandwidth Limiting: Selectable 20 MHz bandwidth filter Sampling Rate: Maximum of 1 GSa/s real-time equivalent per channel Rise Time: ≤ 3.5 ns depending on probe and settings Display: 7" TFT color LCD with 800×480 resolution Time Base Range: From 5 ns/div to 100 s/div, user-adjustable Vertical Resolution: 8-bit digital resolution Trigger Modes: Automatic, Normal, and Signal-dependent triggering Maximum Input Voltage: 300 Vrms (within safety limits) Input Sensitivity: Within the range of 1 mV/div to 10 V/div Input Coupling Options: Selectable among AC, DC, and Ground Trigger Coupling Modes: Configurable as AC, DC, High-pass, or Low-pass Physical Dimensions: Approximately 350 × 200 × 120 mm or above Unit Weight: 2.5 kg or above Input Impedance: Nominal 1 MΩ // 16 pF Measurement Capabilities: Equipped for	1		

			automatic parameter extraction, background noise filtering, and AUTOSET configuration for display scaling (time base/gain) Protocol Decoding Support: Capable of analyzing I2C, SPI, UART, CAN, and LIN communication protocols Standard Accessories: Includes mains power cable, user manual (digital format), and one GTL-16E probe per input channel			
20	Signal Generator	A branded product from a recognized company with at least three to five years product warranty	Output Function: The equipment shall provide output waveforms including sine, square, triangle, and TTL signals as required. Frequency Range: For sine and square waveforms: approximately 0.1 Hz up to 3 MHz.For triangle waveform: approximately 0.1 Hz up to 1 MHz. Frequency Resolution: Frequency resolution shall be maintained within a maximum of 0.1 Hz. Frequency Stability: The frequency stability shall be within ±20 ppm (parts per million). Frequency Accuracy: The frequency accuracy shall be maintained within ±20 ppm. Frequency Aging: Frequency aging shall not exceed ±5 ppm per annum. Amplitude Range: Output amplitude shall be up to 10 V peak-to-peak (Vp-p) into a 50 Ω load. Amplitude Accuracy: Amplitude accuracy shall be within ±20% at maximum amplitude setting. Output Impedance: Nominal output impedance shall be 50 Ω with a tolerance of ±10%. Attenuator: A single-step attenuator of -40 dB ±1 dB shall be provided. Display: A 6-digit LED display shall be incorporated for parameter indication. Output Control: Output shall be controlled via an ON/OFF selector switch. Power Source: The device shall operate on an AC supply of 240 V, 220 V, or 110 V ±10%, with frequency 50/60 Hz. Ambient Operating Temperature: Normal operation shall be ensured within the ambient temperature range of 0 °C to 40 °C. Dimensions: Maximum dimensions shall not exceed 255 mm (W) × 95 mm (H) × 295 mm (D). Weight: Maximum device weight shall be within 2.5 kg.	1		
21	Variable Power Supply	A branded product from a recognized company with at least three to five years product warranty	Output Configuration: 4-channel design with independent electrical isolation across all outputs Channel Output Ranges: • CH1 & CH2: Adjustable output voltage from 0 to 32V with a current delivery capacity up to 3A • CH3: Variable range 0 to 5V supporting up to	1		

			1A • CH4: Output adjustable from 0 to 15V with a load current of up to 1A Constant Voltage Operating Mode Line Regulation: ≤ 0.01% + 3 mV (approximate value within rated voltage range) Load Regulation: ≤ 0.01% + 3 mV (across rated load variation) Ripple & Noise: ≤ 1 mVrms across full bandwidth Constant Current Operating Mode Line Regulation: ≤ 0.2% + 3 mA Load Regulation: ≤ 0.2% + 3 mA Ripple Current: ≦ 3 mArms (typical) Safety & Operational Features Output Control: Independent output ON/OFF switching functionality is required Voltage Resolution: Approximately 100 mV (*1) Current Resolution: Approximately 10 mA (*1) Display Parameters Display Units: Four separate displays required for individual channel status visualization Display Type: 4.3-inch LCD (color or monochrome as applicable) Functional Features Tracking Operation: Supported (required for synchronizing output behavior) Auto Series/Parallel: Supported (automatic internal reconfiguration required) Power Requirements Supply Input: 230V AC ±10%, 50 Hz Mechanical Specifications Maximum Dimensions (W × H × D): Within 200 mm × 100 mm × 200 mm Maximum Weight: 10 kg or less			
22	Benchtop Multimeter	A branded product from a recognized company with at least three to five years product warranty	DC Voltage: Range: 500 mV to 1000 V across 5 ranges. Accuracy: ±(0.03% rdg + 4 digits). Input impedance: 10 MΩ. AC Voltage (True RMS): Range: 500 mV to 1000 V across 5 ranges. Accuracy: ±(0.5%–5% rdg + digits) depending on frequency and range. Input impedance: 10 MΩ. DC Current: Range: 500 µA to 20 A across 6 ranges. Accuracy: ±(0.02%–0.3% rdg + 2 digits) depending on range. AC Current (True RMS): Range: 500 µA to 20 A across 6 ranges. Accuracy: ±(0.5%–1% rdg + digits) depending on frequency. Resistance: Range: 500 Ω to 20 MΩ across 6 ranges. Accuracy: ±(0.1%–0.3% rdg + digits) depending on range. Diode Test: Max forward voltage 1.5 V, open voltage 2.8 V. Capacitance: Range: 5 nF to 50 µF. Accuracy: ±(2% rdg + 4 digits). Frequency: Input level varies by range; functions include Auto/Manual Range, Max, Min, dBm, Rel, Hold. Continuity Beep: Threshold <5 Ω. Display: Dual 7-	1		

			segment LED, 0.4" and 0.5". Power Source: AC 100/120/230 V ±10%, 50/60 Hz. Dimensions & Weight: Approximately 251 × 91 × 291 mm; 2.6 kg.			
23	Projector	A branded product from a recognized company with at least three to five 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		
24	Heavy Duty Laser Printer	A branded product from a recognized company with at least three to five years product warranty	Functions: Print, Scan, Copy Printer Type: Laser Nominal Dims(mm):409×398.5×267Approx Weight:9.7KgNominal PrintSpeed:Upto30ppm(A4Size)Approx Warranty:1YearOn-Site PrintResolution:600×600dpi,HQ1200(2400×600dpi) Quality Approx 2Sided-Duplex-PaperType:Plain,Thin,RecycledApprox2Sided-Duplex-PaperSize:A4 PaperHandling:Tray#1-PaperType:Plain,Thin,Recycl ed Tray#1-MaxCapacity:Upto250Sheets(80g/m²)Appro x PaperOutput:Upto100Sheets(80g/m²)FaceDownTray ;OneSheetFaceUpTrayApprox Copy-Colour /Mono: Yes/Yes Multiple Copies: Sorts/StacksUpto99PagesApprox Enlarge/Reduce:25%-400%(In1%Steps)Approx CopyResolution:600×600dpi 2Sided-Duplex-CopyPaperType:Plain,Thin,Recycled 2Sided-Duplex-CopyPaperSize:A4 Scan-ResolutionInterpolated:Upto19200×19200dpiA pprox Scan-ResolutionGlass:Upto600×2400dpiApprox Connectivity:Hi-SpeedUSB2.0 DisplayType:16Chars×2Lines MemoryCapacity:32MBApprox PowerSource:220-240VAC50/60Hz PowerConsumption-Ready:Approx60W PowerConsumption-Sleep:Approx6.6W PowerConsumption-Off:Approx0.08W	1		

			NoiseLevel:50dB(A)Approx			
25	PCB Milling Machine	A branded product from a recognized company with at least three to five years product warranty	Cuttable Materials: Modeling Wax, Chemical Wood, Foam, Acrylic, Poly Acetate, ABS, PCB,Copper glad, etc Table Size: 225 (X) × 150 (Y) mm or more Drive System: Stepping Motor (X, Y, Z Axis) Operating Speed: 800 mm/min Software Resolution: 0.01 mm/step Position accuracy : 0.01 to 0.02 mm Max Travel Speed (mm/sec)-58 (2.28 “) Drilling (mm)-0.2 -3.175 (8-125 mil) Maximum Drilling Cycles/ Min-50 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	1		
26	Computer Workstation in networking	A branded product from a recognized company with at least three to five years product warranty	20 Crore, Intel Core i7-14700F 14th Gen, Gaming Desktop (16GB/1TB SSD/12GB NVIDIA GeForce RTX 4070 Graphics/Windows 11/	5		
27	Smart Board	A branded product from a recognized company with at least three to five years product warranty	Display Size: Approx 75Inch (190 cm) Up to Resolution: 4KUHDorHigher Brightness: Min 350 nits; Typ400nitsApprox Contrast Ratio: Typ 1200: 1Upto Response Time: Approx 8ms Viewing Angle: Approx178DegreesWide WorkingFrequency:1.5GHzNominal RAM:4GBOrMore InternalStorage:32GBMin OS: Android Based HDMI: 3Ports USB: 2Ports Sensing Type: Infrared Touch Frame Surface Protection: 4mm Toughened Glass Or Equivalent Infrared Touch Points: 20Approx Voltage:DC+5V±5%Range OPS: Optional	1		
28	Vacuum Cleaner	A branded product from a recognized company with at least three to five years product warranty	Rated Input Power: Approximately 1,100 W maximum power consumption. Weight: Around 6 kg total weight. Container Volume (Net): Approximately 10 liters capacity. Voltage, Electrical: Nominal 230 V AC supply. Container Volume (Gross): Approximately 15 liters total volume. Container Volume (Net, Water): About 8 liters capacity for water. Filter Surface Area: Around 2,300 cm² effective filtration area. Airflow Rate (Turbine): Approximately 53 liters per	1		

			second. Vacuum Pressure (Turbine): Up to 270 mbar vacuum pressure. Number of Wheels: Four wheels for mobility.			
29	Hot Air Gun	A branded product from a recognized company with at least three to five years product warranty	Rated Input Power: Approximately 1,800 W maximum power consumption. Voltage, Electrical: Nominal 230 V AC supply. Weight: Approximately 0.75 kg. Working Temperature Range: Adjustable within approximately 60 °C to 550 °C. Heat-Up Time: Approximately 1 second to reach target temperature. Airflow: Adjustable within approximately 350 to 550 liters per minute. Airflow Control: Three selectable airflow settings.	5		
30	Measuring Equipment	A branded product from a recognized company with at least three to five years product warranty	[Vernier calliper (0-200/0.01), Vernier height gauge (0-1000mm), Micrometer 0-50, 50-100/0.001 inside and outside)], Metal Scale etc	1		
31	Fire Extinguisher	A branded product from a recognized company with at least three to five years product warranty	Industry Standard	1		
32	First Aid Box	A branded product from a recognized company with at least three to five years product warranty	Industry Standard	1		
33	Digital Multimeter	A branded product from a recognized company with at least three to five years product warranty	Display Count: Up to 4000 DC Voltage Range: Up to 1000 V AC Voltage Range: Up to 1000 V DC Voltage Accuracy: ±0.5% or ±3 digits, whichever is higher AC Voltage Accuracy: Within ±1% + 3 digits DC Current Measurement: Up to 10 A AC Current Measurement: Maximum 10 A DC Current Accuracy: ±1.5% + 3 digits (approximate) AC Current Accuracy: ±1.5% + 3 digits (typical) Resistance Measurement: Up to 40 MΩ Resistance Accuracy: Estimated at ±1.5% + 3 digits Capacitance Measurement: Up to 1000 µF Capacitance Accuracy: ±5% or ±5 digits Operating Temperature Range: From 0°C up to approximately 40°C Storage Temperature Range: Between -30°C and 60°C Overall Dimensions (H×W×L): Approximately 183×91×49.5 mm Unit Weight: Around 455 grams Safety	5		

			Compliance: As per IEC 61010-1 & IEC 61010-2-030 standards, suitable for CAT III 600V and CAT II 1000V environments with Pollution Degree 2 classification			
34	Clothes Iron	A branded product from a recognized company with at least three to five years product warranty	1000 W	5		
35	Electronic Component Repository (LCR Meter, Variac etc)	A branded product from a recognized company with at least three to five years product warranty	Display: Approximately 2.8" TFT touch LCD screen. Resolution: 25,000 or above counts resolution on both primary and secondary displays. Basic Accuracy: Within ±0.2% under standard conditions. Test Frequencies: Six or eight selectable frequencies depending on model variant. Measurement Combinations: Up to 15 different measurement combinations available. Test Level: Selectable AC test levels approximately 0.3 V, 0.7 V, and 1 V rms; DC test level selectable at ±1 V. Measurement Speed: Selectable measurement speeds of approximately 10 measurements per second (fast) and 2.5 measurements per second (slow). Auto LCR Mode: Automatic identification and measurement of component types within supported ranges. Data Hold: Feature available to hold measured data on display. Interface: USB virtual COM port provided for remote communication capabilities. Software: Datalogging software available for data capture and analysis.	2		
36	Hacksaw	Very Good Quality	Manual Frame Hacksaw, Blade Size: 12 inches (300 mm), Frame Material: Steel or Aluminum, Handle Type: Ergonomic plastic or rubber grip, Blade Tensioning: Adjustable screw-type, Suitable For: Metal, plastic, and wood cutting	5		
37	Micro Chisel Set	Very Good Quality	Type: Precision Micro Chisels, Set Includes: 6 to 12 assorted chisels, Tip Width Range: 0.5 mm to 3 mm, Blade Material: High-Speed Steel (HSS) or Alloy Steel, Handle Material: Wood or Non-slip Plastic, Applications: Wood carving, plastic trimming, PCB modification, fine sculpting	3		
38	Pliers	Very Good Quality	Type: Combination Pliers, Length: 6 to 8 inches, Material: Carbon Steel or Alloy Steel, Handle Material: Insulated plastic or rubberized grip, Jaw Type: Flat/round or cutting edge, Applications: Wire	3		

			cutting, gripping, bending, and twisting			
39	Manual PCB Drilling Machine	A branded product from a recognized company with at least three to five years product warranty	Type: Manual Drilling Machine, Drill Size Range: 0.2 mm to 3.0 mm, Spindle Speed: 2,000 to 6,000 RPM, Motor Power: 0.5 HP to 1 HP, Table Size: 250 x 300 mm, Material Compatibility: PCB, FR4, Copper, Control: Manual feed, Applications: Small-scale PCB prototyping, hole drilling	3		
40	PCB power Drilling Machine	A branded product from a recognized company with at least three to five years product warranty	Cuttable Materials: Modeling Wax, Chemical Wood, Foam, Acrylic, Poly Acetate, ABS, PCB,Copper glad, etc Table Size: 225 (X) × 150 (Y) mm or more Drive System: Stepping Motor (X, Y, Z Axis) Operating Speed: 800 mm/min Software Resolution: 0.01 mm/step Position accuracy : 0.01 to 0.02 mm Max Travel Speed (mm/sec)-58 (2.28 “) Drilling (mm)-0.2 -3.175 (8-125 mil) Maximum Drilling Cycles/ Min-50 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	3		
41	Cordless Drilling Machines	A branded product from a recognized company with at least three to five years product warranty	Brushless Motor | Speed (1st/2nd)- 0-500/0-1900 RPM | Chuck Size 13 mm | Manufacturing & Construction Use | 2 Batteries & 1 charger Included	2		
42	Jigsaw Machines	A branded product from a recognized company with at least three to five years product warranty	Rated Input Power: Approximately 500 W maximum power consumption. Voltage, Electrical: Nominal 230 V AC supply. Saw Stroke Length: Approximately 20 mm stroke length. Stroke Rate at No Load: Adjustable within approximately 800 to 3,100 spm (strokes per minute). Weight: Approximately 2.08 kg total weight. Bevel Angle: Adjustable within approximately -45° to 45° range.	2		
43	Power Circular Saw	A branded product from a recognized company with at least three to five years product warranty	Rated Input Power: Approximately 1,400 W maximum consumption. Saw Blade Diameter: Nominal 184 mm diameter. Saw Blade Bore Diameter: About 20 mm standard bore size. Guide Rail Compatibility: Not compatible with guide rails. No-Load Speed: Typically 5,200 rpm. Weight: Around 4.1 kg	2		
44	Files Set with	Very Good	5-Piece File Set 200Mm Durable Carbon	2		

	File Handles sets	Quality	Steel Files with Ergonomic Handles, Perfect for Metal Crafting, Deburring, and Smoothing Surfaces			
45	Needle Files	Very Good Quality	Needle File Set 16cm x 10pc with Grip Multipurpose for Filing, Shaping, Grinding on Gold, Silver, Soft Metal, Wood, Plastic,etc for Jewellery Making, Watchmaking & Hobby Crafts DIY (16cm)	2		
46	Pipe Vice	Very Good Quality	10-60 mm capacity	2		
47	Mini Hacksaw	Very Good Quality	250mm Hacksaw	5		
48	Ball Peen Hammer	Very Good Quality	Weight: Approximately 110 grams nominal weight. Dimensions: Around 32.6 cm × 10 cm × 2 cm (L × W × H) overall measurements.	5		
49	Steel Shaft Claw Hammer	Very Good Quality	Weight: Approximately 8 oz (220 grams) nominal weight. Dimensions: Around 27.8 cm × 12.4 cm × 3.6 cm (L × W × H) overall size	5		
50	Nylon Mallet	Very Good Quality	Weight: Approximately 450 grams nominal weight. Dimensions: Around 33.6 cm × 9.6 cm × 6.2 cm (L × W × H) overall size.	5		
51	Rubber Mallet	Very Good Quality	Weight: Approximately 450 grams nominal weight. Dimensions: Around 33.6 cm × 9.6 cm × 6.2 cm (L × W × H) overall size.	5		
52	Allen Key Set	Very Good Quality	Hex Key Size: 1.5, 2, 2.5, 3, 4, 5, 5.5, 6, 8, 10 mm; Qty: 10 pcs/set Ball Key Size: 1/16",5/64",3/32",7/64",1/8",9/64",>5/32",3/16",7/32",1/4",5/16",3/8" Qty:12pcs/set	3		
53	Multi tool kit	Very Good Quality	Multi tool kit (2 Nos.)	2		
54	Double ended spanner sets	Very Good Quality	Weight: 3.08 Kg nominal weight. Quantity: 12 pcs per set. Size: 6 mm to 32 mm overall range.	2		
55	12 Piece Open ended Spanner Set	Very Good Quality	Weight: Approx1.74Kg nom.wt. Qty: 12pcs/set. Size: 6mm-32mm overall dims.	2		
56	Belt and Disc Sanding Machine	A branded product from a recognized company with at least three to five years product warranty	Motor: 230V 50Hz Power: 380W S2 30min No-load Speed: 1450rpm or more Belt Size: 100x914mm or less Disc Size: 150mm or better Table Titing Range: 0°-45° Belt Titing Range: 0°-90° Table Size: upto 190x125mm	1		
57	Scroll Saw Machine	A branded product from a recognized company with at least three to five years	Power input: 50 Watt Thickness of Cut: 50 mm (2 inch) Throat: 406 mm (16 inch) Length of Stroke: 18 mm (11/16 inch) Strokes Per Minute: 400-1,600 SPM Overall Length: 600 mm (23-5/8 inch)	1		

		product warranty				
58	Tool Wall covering Perforator	Very Good Quality	Manual operation, ABS plastic body, Hardened steel scoring wheels, Ergonomic handle, Dimensions: 22.86 × 14.61 × 0.95 cm, Weight: 450 g per unit, Suitable for vinyl, foil, painted, and multi-layered wallpapers, Non-damaging to wall substrate	3		
69	Moto Saw	A branded product from a recognized company with at least three to five years product warranty	Moto Saw	3		
60	Bench Grinding Machine	A branded product from a recognized company with at least three to five years product warranty	Grinding wheel diameter: min 150 mm Rated input power: 350 W or more Grinding wheel widths: 20 mm or more No-load speed: upto 3,000 rpm Grinding wheel bore: 20 mm/2cm Grit 24, 60 or more Weight: 10 kg or less	1		
61	Power Return Measuring Tape	Very Good Quality	10 m	5		
62	Tri Square 8"	Very Good Quality	8 inches	5		
63	Stainless Steel Rule	Very Good Quality	300 mm	5		
64	Digital Vernier Calliper	Very Good Quality	Product Type: Digital Calliper Meas.Range:0–150mm / 0–6" Resolution:0.01mm	5		
65	Spirit Level	Very Good Quality	Vials:3 Accuracy:0.5mm/m Length:300mm Product Type: Level	5		
66	Cordless Rotary Tool	A branded product from a recognized company with at least three to five years product warranty	Cordless Rotary Tool	1		
67	Power Router	Very Good Quality	Bit Size: 6mm / 8mm, Power Consumption: 1600W, No Load Speed: 26,000 RPM, Application: Wood trimming, rebating, chamfering	1		
68	Sewing Machine	A branded product from a recognized company with at least three to five years product warranty	Motor: 120 W Max Sewing Speed: 860 SPM Power: 220 - 240 V Automation Grade: Automatic Max Stitch Length: 4mm Thread Type: Computerized Weight:7.6 kg Number of Stitches:120 Size/Dimension: 50.8 cm x 29.464 cm x 40.64 cm Maximum Stitch Width: 7 mm Number of Buttonhole Styles:7 LCD Screen Display: Yes Bed Type Free Arm/Flatbed convertible Bobbin Type Drop & Sew Bobbin System	1		

69	Impact Drill	A branded product from a recognized company with at least three to five years product warranty	Corded electric, 600 W motor, 13 mm chuck size, 1.7 kg weight, 3000 RPM no-load speed, 1.4 Nm torque, 48000 BPM impact rate, forward/reverse rotation, variable speed control, double insulation, drilling capacity: 25 mm in wood, 13 mm in concrete, 10 mm in steel, pistol grip design, auxiliary handle included, depth gauge included, chuck key included	3		
70	Ratchet Set	Very Good Quality	Vice Type: Bench Sz:2" nominal; Jaw:50mm	2		
71	Router Bit Starter kit	Very Good Quality	Pieces Per Set: 15 pcs	1		
72	Scroll Saw	A branded product from a recognized company with at least three to five years product warranty	Power input: 50 Watt Thickness of Cut: 50 mm (2 inch) Throat: 406 mm (16 inch) Length of Stroke: 18 mm (11/16 inch) Strokes Per Minute: 400-1,600 SPM Overall Length: 600 mm (23-5/8 inch)	1		
73	Coil Winding M/c motorized	A branded product from a recognized company with at least three to five years product warranty	Motorized Coil Winding Machine, Wire range 18 to 46 SWG, Max coil diameter 200 mm, Max coil length 200 mm, Min coil length 9 mm, Centre distance 200 mm, Motor 1/4 HP single-phase 1440 RPM, Winding speed 375 to 1490 RPM (6 steps), Max weight between centers 5 kg, Reel carrier length 125 mm, Adjustable speed control, Manual and automatic winding modes, Emergency stop button, Aluminium frame with safety enclosure	1		
74	Plotter Printer	A branded product from a recognized company with at least three to five years product warranty	Plotter Printer, Wide-format printing up to 36 inches, Resolution 1440 DPI, Eco-solvent ink compatible, Roll-fed media support, USB and Ethernet connectivity, Supports vector and raster formats, Compatible with AutoCAD and CorelDRAW, Print speed up to 20 sqm/hr, Integrated cutter (optional), Power supply 220V AC, Heavy-duty steel frame, Suitable for vinyl, canvas, flex, and blueprint printin	1		
75	HAM Radio transceiver, antenna and related equipment	A branded product from a recognized company with at least three to five years product warranty	HAM Radio Transceiver, Dual-band VHF/UHF, Frequency range 136–174 MHz & 400–480 MHz, Power output 25W, 200 memory channels, LCD display, 13.8V DC input, Compatible with FM and digital modes; HAM Radio Antenna, VHF/UHF dual-band, Gain 3.0 dBi, SMA connector, Length 38 cm, Magnetic base mount; Power Supply Unit, 13.8V regulated DC, Output current 20A, Overload and short-circuit protection; Coaxial Cable, RG-58/U, Length 5 meters, Impedance 50 ohms;	1		

			SWR Meter, Frequency range 1.8–200 MHz, Power range 0–200W, LED display; Antenna Tuner, Manual tuning, Frequency range 1.8–30 MHz, Max power 300W; Grounding Kit, Copper strap, Ground rod, Surge protector; Handheld HAM Radio, 5W output, Dual-band, Rechargeable battery; Microphone & Headset, PTT switch, Noise cancellation, 3.5mm jack; Software & Interface Cable, USB programming cable, Compatible with CHIRP software, Windows/Linux support			
77	Sensor set including sensors for Home/ Industry/ Agriculture Automation, Medical diagnosis	Very Good Quality	Capacitive Touch Switch, TTP223B, Operating Voltage: 2–5.5V, Output: Digital, Size: 2.4×2.4cm; IR Sensors (Obstacle Sensors), LM393 Comparator, Detection Range: 2–30cm, Output: Digital TTL, Adjustable Sensitivity; Triple Axis Magnetometer, MLX90393, Resolution: 0.161µT, Voltage: 2.2–3.6V, Interface: I2C/SPI; Humidity Sensor, Si7021, Accuracy: ±3% RH, Voltage: 1.9–3.6V, Interface: I2C, Temp Accuracy: ±0.4°C; MQ-2 Gas Sensor, Detects: LPG, CO, Methane, Alcohol, Voltage: 5V, Output: Analog/Digital, Preheat: 20s; MQ-3 Gas Sensor, Detects: Alcohol, Ethanol, Smoke, Voltage: 5V, Output: Analog/Digital; MQ-4 Gas Sensor, Detects: Methane, CNG, Voltage: 5V, Output: Analog/Digital; MQ-5 Gas Sensor, Detects: LPG, Natural Gas, Voltage: 5V, Output: Analog/Digital; MQ-7 Gas Sensor, Detects: Carbon Monoxide, Voltage: 5V, Output: Analog/Digital; Ultrasonic Sensor Module, HC-SR04, Range: 2cm–400cm, Voltage: 5V, Output: Digital Pulse; Triple Axis Accelerometer, ADXL345, Range: ±2g to ±16g, Interface: I2C/SPI, Resolution: 10-bit; PIR Motion Detector Module, HC-SR501, Detection Range: 3–7m, Voltage: 5V–20V, Output: Digital; Pulse Rate Heart Sensor, MAX30100, Voltage: 1.8V–3.3V, Interface: I2C, Measures: Heart Rate & SpO2; Relay Module, 1/2/4 Channel, Voltage: 5V, Output: NO/NC, Control Signal: TTL; Soil Moisture Sensor, Capacitive Type, Voltage: 3.3–5V, Output: Analog; Touch Sensor, TTP223B, Voltage: 2–5.5V, Output: Digital, Response Time: <60ms; Rain Drop Sensor, FC-37, Voltage: 5V, Output: Analog/Digital, Sensitivity Adjustable; Flex Sensor, Bend Detection, Resistance Range: ~10kΩ (flat) to ~30kΩ	5		

			(bent), Length: 2.2";Temperature Sensor, LM35, Voltage: 4–30V, Output: Analog, Accuracy: ±0.5°C; Force Pressure Sensor, FSR402, Sensing Area: 0.5", Resistance decreases with pressure; Colour Recognition Sensor, TCS34725, Interface: I2C, Built-in IR Filter, Voltage: 3.3V–5V; Water Flow Sensor, YF-S201, Flow Range: 1–30L/min, Voltage: 5–18V, Output: Pulse; Sound Sensor, KY-038, Voltage: 3.3–5V, Output: Analog/Digital, Sensitivity Adjustable; IR Sensor Array for Line Following, 5/8 Channel, Voltage: 5V, Output: Digital, Adjustable Threshold; RFID Reader-Tags, RC522, Frequency: 13.56MHz, Interface: SPI/I2C/UART, Voltage: 3.3V; RF Modules Tx & Rx 315 MHz ASK, Range: ~100m, Voltage: 3.3–5V			
78	Arduino UNO R4 Wi-Fi boards (10 sets including USB A to B cable+ male-male connecting wires+ female to female connecting wires) connecting wires+ male-female	Very Good Quality	Arduino UNO R4 Wi-Fi boards (10 sets including USB A to B cable+ male-male connecting wires+ female to female connecting wires) connecting wires+ male-female	10		
79	NodeMCU (ESP32) boards (10 sets (10 sets including USB A to B cable+male -male connecting wires+ female to female connecting wires+ male -female connecting wires)	Very Good Quality	NodeMCU (ESP32) boards (10 sets (10 sets including USB A to B cable+male - male connecting wires+ female to female connecting wires+ male -female connecting wires)	10		
80	Raspberry Pi 4 boards (05 sets including HDMI - mini HDMI connector, Memory card of 8 GB, adaptor, casing)	Very Good Quality	Raspberry Pi 4 boards (05 sets including HDMI - mini HDMI connector, Memory card of 8 GB, adaptor, casing)	5		
81	BeagleBone Al	Very Good	BeagleBone Al for Artificial Intelligence	5		

	for Artificial Intelligence based applications (5 sets)	Quality	based applications (5 sets)			
82	BeagleBone -Black-Wireless (5 sets)	Very Good Quality	BeagleBone -Black-Wireless (5 sets)	5		
83	Peripheral sets for Arduino/ NodeMCU/ Raspberry Pi (10 sets)	Very Good Quality	Stepper Motor with Driver Board, Very Good Quality, Quantity: 10;Servo Motor 360° rotation, Very Good Quality, Quantity: 10; Servo Motor 180° rotation, Very Good Quality, Quantity: 10; Metal Gear Servo Motor (180° Rotation), Very Good Quality, Quantity: 10; Solder Wire 100grm, Very Good Quality, Quantity: 10; Solder Flux, Very Good Quality, Quantity: 10; 830 Points Solderless, Breadboard, Very Good Quality, Quantity: 10; 400 Points Solderless Breadboard, Very Good Quality, Quantity: 10; Copper Clad Board single side, Very Good Quality, Quantity: 10; Copper Clad Board double side, Very Good Quality, Quantity: 10	10		
84	ESP32 CAM Development Board WiFi+Bluetoot h with OV2640 Camera Module (5 sets)	Very Good Quality	ESP32 CAM Development Board WiFi+Bluetooth with OV2640 Camera Module (5 sets)	5		
85	Solnoi Electronics Raspberry Pi 3 Camera Module Night Vision Camera (5 sets)	Very Good Quality	Solnoi Electronics Raspberry Pi 3 Camera Module Night Vision Camera (5 sets)	5		

Terms & 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 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 (Vivekananda Institute of Professional Studies - Technical Campus, AU- Block (Outer Ring Road) Pitampura, Delhi - 110034). The entire contract/ quotation shall remain valid for a period of three (3) months or before from the date of award. Quotations submitted by bidders 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. **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 catalogues 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.

3. **Technical Bid Qualifying Criteria (Fill Annexure – I and submit along with all documents)**
   - A Registered Company / Manufacturer / OEM / Authorized Dealers should have similar work experience.
   - The Bidder should have a valid License / Registration, GSTIN No., PAN Number, Bank Account and registered office in India.
   - The Bidder should not have been blacklisted by any Govt. Dept. / Semi-Govt. / Dept. or any other organization.
   - Information regarding experience in the Supply & Installation of the same / similar Machinery & Instruments in India. Documentary Evidence to be supported by Purchase Orders and Project / installation completion certificates for the same.
   - Bidders shall have sufficient manufacturing capacity / tie-ups and should have the after- sales support infrastructure.
   - In case, the Bidder offers to supply critical machinery & instruments, which are not manufactured by them, the Bidder should be duly authorized by the Head / OEM as an authorized dealer to supply the Machinery & Instruments.

- The Manufacturers / their authorized dealers having more than 3 years of association with the same manufacturers to ensure effective after-sales service support.
- If the Bidder has already supplied / received an order to supply any similar Machinery & Instruments to any Government organization, the performance, timeline and quality of supply and services will be considered as qualifying criteria. Preference will also be given in case of prior experience in setting up of AICTE IDEA Lab / Centre of Excellence.
- Minimum Turnover of Rs. 01 Crores in any one of the last three financial years or cumulative for last three financial years.
- If the bidder is not an OEM, then the Authorized Dealers should submit the necessary OEM documents / information etc.,

  Note: Relevant documents to be submitted along with tender documents to establish the fulfilment of qualifying criteria referred in **Technical Bid Qualifying Criteria**.

4. Evaluation and Award of Contract

- 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 Committee reserves the right to award the tender partially — items or components may be allotted to different bidders based on the lowest evaluated cost, quality, and branded make, as deemed appropriate by the Tender Evaluation Committee.
- The decision of the Tender Evaluation Committee shall be final and binding in all matters related to partial award, selection of make/brand, and cost considerations, ensuring optimal value and quality procurement for the institution.
- 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.

5. Warranty, and After-Sales Service

- All equipment must carry a minimum onsite warranty of at least three to five 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 labour 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.
- The bidder shall also provide an option for an extended warranty period of up to two additional years beyond the standard warranty, covering comprehensive maintenance, spare parts, and service support. The cost of the extended warranty should be quoted separately in the financial bid and will be considered during the evaluation process.

6. Training Clause

- The successful bidder shall provide comprehensive on-site training to the purchaser's designated personnel after the installation and commissioning of the equipment. The training shall cover the operation, routine maintenance, troubleshooting, and safety procedures related to the equipment.
- The exact schedule and duration of training shall be mutually agreed upon between the purchaser and the successful bidder.
- The training shall be conducted by qualified and experienced technical personnel authorized by the manufacturer, having in-depth knowledge of the supplied equipment and its operational software (if applicable).
- The successful bidder shall provide all necessary training materials, including user manuals, maintenance manuals, operation guides, and digital presentations, at no additional cost to the purchaser.
- The training shall be conducted at the purchaser's site and shall include both theoretical and hands-on practical sessions for the participants nominated by the purchaser.
- All costs related to the training, including trainer travel, accommodation, training materials, and demonstration equipment, shall be borne by the successful bidder.
- The successful bidder shall provide post-training technical assistance (on-site or remote) to ensure smooth operation and address any operational queries.

7. 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.

8. General Terms & Conditions

a) The Bidder must apply for all the Machinery, Equipment, and Tools specified in the tender, and submit a single comprehensive tender accordingly.
b) The Technical specifications of the Machinery & Instruments should be as per the specifications mentioned in specification sheet attached above.
c) Details of the product offered shall be supported with complete specifications duly authorized. along with documents i.e., Leaflet, catalogue, literature, test reports etc.
d) Vivekananda Institute of Professional Studies - Technical Campus, reserves its right to relax the condition referred to in Technical Bid Qualifying Criteria (except clause h). The decision of Vivekananda Institute of Professional Studies - Technical Campus in this regard shall be final.

e) The quoted prices shall be inclusive of all charges, including insurance, transportation, installation, staff training, after sales service warranty and all applicable taxes, excluding GST. The GST component must be quoted separately. No additional charges will be entertained beyond the quoted prices.

f) It is the responsibility of the tenderer to check any correction, or any modifications published subsequently on the website and the same shall be taken into account while submitting the tender.

g) The Bidder submitting the tender would be deemed to have considered and accepted all the terms and conditions of the contract. No verbal or written enquiries will be entertained in respect of acceptance or rejection of the tender.

h) The bidder having their close relatives working in Vivekananda Institute of Professional Studies - Technical Campus is not allowed to participate in the Tender, an affidavit confirming the same should be submitted in original to Vivekananda Institute of Professional Studies - Technical Campus.

i) The selected bidder will have to complete all the required formalities / obtain permits / licenses, etc. Immediately within Five days after the award of the Purchase order.

j) Canvassing whether directly or indirectly, in connection with tenders, is strictly prohibited and the tenders, submitted by the tenderer, who resort to canvassing, will be liable for rejection.

9. Special Terms & Conditions

i. The Successful Bidder shall take all precautionary measures to avoid any damage to adjoining property while installing the Machinery & Instruments. All necessary arrangements shall be made at his own cost.

ii. In case of any damage to adjoining property of Vivekananda Institute of Professional Studies - Technical Campus while installing the Machinery & Instruments shall be borne by the successful bidder.

iii. Vivekananda Institute of Professional Studies - Technical Campus reserves the right to make any change, omission, additions (or) alterations to the original specifications of the Machinery & Instruments on mutual discussions. Such changes, omissions, and substitutions shall be deemed to have been formed as work included in the original tender and the contractor shall be bound to carry out the work / adhere to the supply order.

iv. The period of warranty for the machinery and instruments will be at least for three to five years

v. The successful bidder should extend Post Supply Support (spares & services, maintenance, AMC) to the Vivekananda Institute of Professional Studies - Technical Campus in maintaining the Machinery & Instruments for three to five years.

vi. 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 by **12th Dec 2025 (04:00 PM) and** sent in hard copy to the Vivekananda Institute of Professional Studies - Technical Campus, AU-Block (Outer Ring Road), Pitampura, Delhi – 110034.

- **Bid Submission Format**
  - The bidder shall submit the complete tender documentation in two separate sealed envelopes, enclosed within one common sealed paper folder.
    - **Envelope – I (Technical Bid):** This envelope shall contain all technical documents, specifications, compliance sheets, OEM authorizations, and supporting certificates as mentioned in the tender. It shall be clearly marked on the top as **"TECHNICAL BID – Tender Ref. No. _____".**
    - **Envelope – II (Financial Bid):** This envelope shall contain the financial quotation, duly signed and stamped by the authorized signatory. It shall be clearly marked on the top as **"FINANCIAL BID – Tender Ref. No. _____".**
  - Both envelopes must be sealed separately and enclosed together in a common sealed paper folder clearly marked as **"Tender for Supply, Installation and Commissioning of Equipment for AICTE IDEA Lab"** along with **the Tender Reference Number** and **the bidder's name and address.**
  - The **Technical Bid (Envelope – I)** will be opened **first** and **evaluated.** Only those bidders who qualify the technical evaluation will have their **Financial Bids (Envelope – II) opened subsequently**, on a date communicated by the Tender Evaluation Committee.
  - The Committee reserves the right to award the tender partially — items or components may be allotted to different bidders based on the lowest evaluated cost, quality, and branded make, as deemed appropriate by the Tender Evaluation Committee.

Contact: (Chief Mentor - AICTE IDEA LAB)
Email: idealab@vips.edu

(Chief Mentor - AICTE IDEA LAB)

Annexure – I

(Technical Bid Qualifying Criteria Compliance Form)

(To be filled, signed, and submitted by the Bidder along with supporting documents)

S. No.	Qualifying Criteria	Compliance (Yes/ No)	Supported Document Attached
1	The bidder is a Registered Company / Manufacturer / OEM / Authorized Dealer having similar work experience.		
2	The bidder holds valid License / Registration, GSTIN, PAN, Bank Account, and has a Registered Office in India.		
3	The bidder has not been blacklisted by any Government / Semi-Government Department or other organization.		
4	The bidder has relevant experience in the supply and installation of the same / similar machinery & instruments in India.		
5	Documentary evidence such as Purchase Orders and Completion Certificates for similar works are enclosed.		
6	The bidder has sufficient manufacturing capacity / tie-ups and after-sales support infrastructure in place.		
7	If critical machinery & instruments are not manufactured by the bidder, valid authorization from the OEM / Head Office is enclosed.		
8	The bidder / authorized dealer has more than 3 years of association with the same manufacturer (for after-sales support assurance).		
9	The bidder has supplied similar machinery & instruments to		

	Government organizations, with satisfactory performance, quality, and timelines.		
10	The bidder has experience in setting up AICTE IDEA Labs / Centres of Excellence (if applicable).		
11	The bidder has a minimum turnover of Rs. 01 Crore in any one of the last three financial years or cumulative for the last three years.		
12	If the bidder is not an OEM, necessary OEM authorization and related documents are enclosed.		

Declaration by the Bidder

I/We hereby declare that the information provided above is true and correct to the best of my/our knowledge and belief. All supporting documents are attached to substantiate the above claims. I/We understand that any misrepresentation or false information will lead to disqualification.

Name of Bidder / Firm : _____

Authorized Signatory : _____

Designation : _____

Date : _____

Place : _____

Signature with seal : _____