

Terms and conditions for the supply of computers /laptops, printers and other stuff required for the project at the Center of Excellence Department of Mechatronics University of Engineering and Technology Peshawar

01. Separate prices must be quoted for computers/laptops and all of the equipment in lot 1 and lot 2 along with a complete set of accessories and specifications as mentioned below for lot 1 and lot 2
02. Only the complete Lot will be considered for evaluation
03. Bids of each item shall be evaluated separately and the Center of Excellence Department of Mechatronic UET may choose to order any item (s) based on budget availability.
04. The Center of Excellence Department of Mechatronic UET reserves the right to increase or decrease the quantity of items.
05. The validity period of the quotation/tender must be at least 03 Months.
06. Bid/Rate may be quoted for the unit price of the items (including all taxes) entirely in Pak Rupees transparently and clearly according to the prescribed specification available in the document for each item
07. The rates should be mentioned both in words and figures. Rate with cutting or overwriting will be considered non-responsive.
08. No-tender with conditional, ambiguous, and alternative prices will be considered.
09. Arithmetical errors will be rectified on the following basis: if there is a discrepancy between the unit price obtained by multiplying the unit price and quantity, the unit price shall prevail, and the total shall be correct. If there is a discrepancy between words and figures, the amount in words will prevail. If the supplier does not accept the correction of the errors, its bid will be rejected, and its bid security may be forfeited.
10. Copies of registration with income tax sales tax KPRA (Where applicable) as well as a professional tax certificate for the correct financial year 2024-25 will be required.
11. The suppliers must produce NTN/CNIC with the bill, otherwise, a 2% additional income tax will be deducted from the bill.
12. Security @ 10% of the total bill will be deducted from the suppliers at the time of payment, which will be reimbursed upon the completion of the warranty period.
13. Interested firms fulfilling the required condition may be sent their quotations along with a 2% call deposit /bank draft in favor of ERASMUS PLUS UNIVERSITY in separate sealed envelopes for each item latest 11a.m 17th April 2025 Late submissions will not be considered. Tenders will be opened on the same day at 11:30 AM in the presence of bidders or their authorized representatives.i.e., in the *Conference Hall UET Peshawar*
14. A call deposit/banker cheque/pay order equal to 2% of the quoted value must accompany the bid otherwise bid will be considered non-responsive. to the call deposit/banker, cheque/pay order shall be in favor of ERASMUS PLUS UNIVERSITY the call deposit amount shall be deposited on the formula as: $\text{unity price} \times \text{quantity required} = b \times 2\%$

15. The call deposit will be verified before the comparative statement is prepared, and if it is found to be fake, legal action will be taken against the suppliers as per the law.
16. The suppliers shall be bound to the supplier's items within 4 weeks of the receipt of the supply order failing which their call deposit will be forfeited, and the order(s) will be canceled/withdrawn.
17. All applicable taxes will be deducted from the approved suppliers' bill as quoted on the invoice.
18. In case of fraudulent practice by the supplier, strict action will be taken against the suppliers such as forfeiture of security and call deposit amount and penalty.
19. The blacklist suppliers are not eligible to participate in the bidding. The suppliers are bound to provide an undertaken of non-blacklisting from any government department/agency/authority.
20. All documents relating to the bid and contract shall be in English language.
21. The bidding document should be signed and stamped by a person duly authorized on behalf of the supplier on every page.
22. The supplier shall have relevant experience and a proven track record in supplying similar equipment meeting delivery timelines and providing after-sales support
23. The supplier who is not based/registered in Khyber Pakhtunkhwa shall have to provide the complete address and phone number of their branch office in Khyber Pakhtunkhwa.
24. The tender shall be in a sealed envelope written thereon quotation for the item name with the department and the name of the supplier with full address and telephone/fax number/email address must be written on the back of the quotation if the envelope is not sealed and marked as above, Center of Excellence Department of Mechatronics University of Engineering and Technology Peshawar will not be responsible for misplacement or pre-mature opening of the bid.
25. The sealed bid shall be addressed to the Team Lead Center of Excellence Department of Mechatronics University of Engineering and Technology Peshawar
26. No partial payment(s) will be made against partial supply/delivery,
27. In case of a supply of defective or used items, the Supplier will be dealt with as per Government rules and regulations.
28. Center Of Excellence Department of Mechatronics University of Engineering and Technology Peshawar on obtaining the Departmental Project Committee report and satisfactory report submitted by the end user will release the payment after inspection If any item is rejected by the Departmental Project Committee, the supplier will be bound to replace it within 03 days at his own risk and cost
29. The successful Supplier will have to make an agreement on the judicial stamp paper for the supply of the items according to the Contract.

30. The Supplier must provide comprehensive one-year local warranties for each item covering all hardware/components, pre-installed software, and on-site support with a 48-hour response time, battery, and chargers' coverage (for laptops) and replacement of the irreparable unit, within 15 business days with a detailed warranty and performance certificate.

31. incomplete and after the due date tender will not be accepted

INSTRUCTIONS TO BIDDERS

- All bidders must ensure the provision of genuine, brand-new equipment.
- Items must be delivered within 4 weeks from the date of issuance of the Purchase Order.
- Bidders should include warranty and support details where applicable.
- Quotations should be submitted, including all taxes, delivery, and installation (if required).
- Delivery Location: Center for Digital Twin Department of Mechatronics, Phase 5 UET Peshawar

1 High-End Computing, Networking, IoT Lab Setup, and Peripheral Equipment (LOT 1)

S.NO	PARTICULARS	Qty
01	<p>Laptops: Intel 14TH GEN CORE i7 150U (<u>or equivalent</u>), with Stylus</p> <p><u>Specification:</u></p> <ul style="list-style-type: none"> • Processor: Intel® Core i7 processor 150U (12M Cache, up to 5.40 GHz) (<u>or equivalent</u>) • Ram: 16 GB LPDDR5-5200 MHz RAM • Storage: 512 GB PCIe® NVMe™ M.2 SSD • Display: 14"-inch diagonal, FHD (1920 x 1080), multitouch-enabled, IPS, edge-to-edge • Operating System: Windows 11 Pro Licensed • Wireless LAN: Wi-Fi 6E (2x2) (19c) • Bluetooth: Bluetooth® 4.2 • Webcam: Vision 5MP IR camera with camera shutter, temporal noise reduction. • Graphic: Intel Iris Xe Graphics or Equivalent. • Keyboard: Full-size, backlit, soft grey keyboard. • External Ports: 1 HDMI, 1 headphone/microphone combo 	03
02	<p>GPU, RTX 4090 24GB Graphic card GeForce RTX 4090 OC Edition 24 GB GDDR6X</p> <p><u>Specifications:</u></p> <ul style="list-style-type: none"> • GeForce RTX 4090 OC Edition 24 GB GDDR6X • Graphic Engine: NVIDIA GeForce RTX 4090 (<u>or equivalent</u>) • AI Performance: 1345 • Bus Standard: PCI Express 4.0 	01

	<ul style="list-style-type: none"> ● OpenGL 4.6 ● Video Memory 24GB GDDR6X ● Engine Clock OC mode: 2595 MHz ● Default mode: 2565 MHz (Boost Clock) ● CUDA Core 16384 ● Memory Speed 21 Gbps ● Memory Interface 384-bit ● Digital Max Resolution 7680 x 4320 ● Yes x 3 (Native DisplayPort 1.4a) ● Interface: 2 Native HDMI 2.1a <ul style="list-style-type: none"> ▪ 3 Native DisplayPort 1.4a ▪ HDCP Support Yes (2.3) 	
03	<p><u>LaserJet 3-in-1 Printer, (Print, Copy, Scan) Black & White Printer (3 in 1):</u></p> <p>Specifications</p> <ul style="list-style-type: none"> ● Intuitive Easy Select pivoting touchscreen colour control panel ● 50-sheet automatic document feeder with indicator light ● Easy-access USB port to save and print files directly ● 250-sheet output bin ● Front door allows convenient access to the all-in-one print cartridge ● 100-sheet multipurpose tray 1 handles heavy custom media ● 500-sheet input tray 2 ● Built-in automatic two-sided duplex printing ● Two internal hosts USB 2.0 type ports for 3rd-party solutions ● Wi-Fi Enabled ● Jet direct Gigabit Ethernet print server ● Hi-Speed USB 2.0 printing port ● Min 40-page PPM 	02
04	<p><u>iPhone 16 Pro Max 512GB (or equivalent)</u></p> <p>Specifications:</p> <ul style="list-style-type: none"> ● LIDAR scanner with 3D Scanning capabilities for allowing users to capture and create 3D models of objects' environments using technology like Polycom and KIRI engine. ● 1 Year Warranty, with original charger and cable. ● PTA Approved. 	1
05	<p>AR/VR Headset min. 128 GB and compatible with Unity 3d software with controller and accessories with energizer AA/AAA charger</p> <p>Specifications:</p> <ul style="list-style-type: none"> ● Screen: 120Hz LCD (1832x1920 per eye) ● Processor: Qualcomm Snapdragon XR2 Gen 2 ● RAM: 8GB ● Storage: 128GB or 256GB 	


	<ul style="list-style-type: none"> ● Operating system: Horizon OS (Android) ● Connectivity: Wifi 6E, Bluetooth, USB-C with Oculus Link, stereo speakers, microphone ● Headset dimensions: 191.5 x 102 x 142.5mm ● Headset weight: 514g ● Controller weight: 103g (without battery) 	
6	<p>Dual Band WIFI 6 Router 1.8 Gbps, intelligent</p> <p>Specifications: Max-Stream Dual-Band Mesh Wi-Fi 6 Router.</p> <ul style="list-style-type: none"> ● Wi-Fi Range up to 1700 square feet. ● Wi-Fi Speed up to 1.8 gigabits per second. ● Data Encryption support. ● Encryption Type: WPA2-Personal, WPA3-Personal ● Firewall Type NAT, SPI ● Automatic software updates, parental controls, separate guest access ● Min, 20 Number of Connected Devices ● Min. 2 Number of Antennas ● Doul 2.4 GHz, 5.0 GHz Frequency Band ● Wi-Fi 6 Wireless Networking Standard <p>Wireless Standard AX, AC, N.</p>	06
7	<p>Jetson Orin Nano Advance Developer (<u>or equivalent</u>)</p> <ul style="list-style-type: none"> ● Kit 8 GB including accessories for developing AI-powered robots, smart drones, and Intelligent cameras ● AI Performance: 40 TOPS ● GPU: 1024-core NVIDIA Ampere architecture GPU with 32 Tensor Cores ● GPU Max Frequency: 625 MHz ● CPU: 6-core Arm Cortex -A78AE v8.2 64-bit CPU 1.5MB L2 + 4MB L3 ● CPU Max Frequency: 1.5 GHz ● Memory: 8GB 128-bit LPDDR5 68 GB/s ● Storage: (SD Card Slot & external NVMe via M.2 Key M) ● Video Encode: 1080p30 supported by 1-2 CPU cores ● Video Decode: 1x 4K60 (H.265), 2x 4K30 (H.265), 5x 1080p60 (H.265), 11x 1080p30 (H.265) ● CSI Camera: 2x MIPI CSI-2 22-pin Camera Connectors ● PCIe: M.2 Key M slot with x4 PCIe Gen3, M.2 Key M slot with x2 PCIe Gen3, M.2 Key E slot ● USB: USB Type-A Connector: 4x USB 3.2 Gen2, USB Type-C Connector for UFP ● Networking: 1xGbE Connector ● Display: 1x DisplayPort 1.2 (+MST) connector ● Other I/O: 40-pin Expansion Header, 12-pin button header, 4-pin fan header, microSD Slot, DC power jack 	

	Power: 7W - 15W	
8	<p>Raspberry Pi 5 advanced Controller 8GB RAM (or equivalent) GB including accessories (sensors, casing and cables)</p> <ul style="list-style-type: none"> ● Processor: Quad-core ARM Cortex-A76, capable of high performance for computing tasks. ● Memory: 8GB LPDDR4x RAM, ensuring smooth operation and the ability to handle complex workloads. ● Graphics: Dual 4K display output via micro-HDMI ports, supporting a rich visual experience. ● USB Ports: 2x USB 3.0 and 2x USB 2.0 ports for fast data transfer and peripheral connectivity. ● Networking: Gigabit Ethernet and dual-band 802.11ac Wi-Fi for robust and flexible network connections. ● Bluetooth: Bluetooth 5.0 for connecting to various devices and accessories. ● Storage: MicroSD card slot for easy and expandable storage options. ● Power: The 5V USB-C power input ensures efficient power delivery and compatibility with a wide range of power supplies. <p>GPIO: 40-pin GPIO header for interfacing with sensors, actuators, and other hardware</p>	02

2, Power Backup & office furniture (LOT 2)

S.NO	PARTICULARS	QTY
01	<p>Inverter AC 1.5 Ton 18HF (minimum 67% energy efficient/Savings),</p> <ul style="list-style-type: none"> ● heat and cool ● DC Inverter ● Type: Wall Mount ● Display: Hidden LED ● Refrigerant Gas: R32 ● Outdoor Noise [dB(A)]: 55 ● PCB Kit Warranty: 4 Years ● Compressor Warranty: 10 Years ● Running Current (A)-Heating: 2.4~10.3 ● Power Supply (Ph/V/Hz): 1/220/50 	02
02	AC Inverter 3kW with Warranty, branded	01

	<p>(Installation and Commissioning with cables)</p> <p>Products Details</p> <ul style="list-style-type: none"> - 3900 Watts MPPT Supports Up To 600 Watts Solar Panel - Hybrid - Wi-Fi Enabled - 140 AMP Solar charger - Smart PV Monitoring Platform - Max. Efficiency 97.6% - Support Multiple Parallel - RS485 / CAN - IP65 Ingress Protection - Support Generator Connection - High Surge Endurance - High Power Factor - Touch Screen Display - MPPT current control - Internal SPD - Built-in AC Breaker - Dual 1-Phase Output - 5 Years Warranty. 	
03	<p>Energy Lithium Battery 24v, 100Ah</p> <ul style="list-style-type: none"> ● 10-Year Lifetime ● Minimum 5 years warranty ● Minimum 5500 life cycle ● Built-in Intelligent Battery management system ● Charge & discharge current up to Maximum of 90A and the cold start impulse current is 1000A ● standby self-consumption as low as 4mA ● Application for off-grid/hybrid/solar system/UPS/Inverter/Storage power system ● Automatically output cut off after 30 days of no charge & discharge to ensure security. ● Over Charge, Discharge Protection, Over Current, Short Circuit Protection, Over Temperature Protection ● Compatible and supported all kinds of inverters at least 90%) ● Working temperature -5°C~+50°C 	02

04	<p>Ergonomic Office Chair</p> <ul style="list-style-type: none"> ● Adjustable Headrest: Customizable headrest for proper neck support. ● Adjustable Backrest: ● Adjustable Height: ● Adjustable Armrests: Breathable Mesh Material: Promotes airflow ● High-Density Foam Seat: ● Soft Armrest Pads: ● Durable iron/steel Base: ● Noise-Free Wheels: 	 <p>08</p>
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DELIVERY REQUIREMENTS

- Delivery Period: **Within 4 weeks** from the date of Purchase Order.
- Delivery Location: Department of Mechatronics, Phase 5
UET Peshawar
- Installation (required): Included in the bid price.
- All equipment must be delivered in original manufacturer packaging, sealed, and include all manuals, cables, and accessories.

TERMS & CONDITIONS

1. **Warranty**
 - All items must carry standard manufacturer warranties as specified above.
2. **Technical Compliance**
 - The bidder must submit datasheets and compliance certificates with the bid.
3. **After-Sales Support**
 - Minimum 1-year technical support for troubleshooting and maintenance.
4. **Payment Terms**
 - [payment will be released after a satisfactory report. e.g., 90% on delivery, 10% after inspection and acceptance].
5. **Evaluation Criteria**
 - Lowest evaluated bid (price + compliance).
6. **Penalties**
 - Late delivery penalties as per institutional procurement rules