



Subject: Expression of Interest for the product “ Voice modification prototype for intelligibility improvement of hearing impaired”

Interested Vendors are invited to submit their quotations for the following product specifications at karan.nathwani@iitjammu.ac.in on or before 8 May 2025 with following terms and conditions :

- 1) A quotation rates must includes GST and all other inclusive taxes
- 2) Vendors should send the quotation before 8 May 2025.

“Voice modification prototype for intelligibility improvement hearing impaired-(USB microphone 4 mic array, 4 meters radius intelligent pickup, up to 85dB speaker volume, Intelligent noise reduction, echo cancellation, AEC, full- duplex voice communication, Support USB/Bluetooth/2.4G wireless connection, LINE IN/OUT interface, connect to the conference terminal with expansion POE MIC Processing unit with 128GB memory 2.4GHz quad-core processor , 64-bit Arm Cortex-A76 CPU, with 512KB L2 caches and a 2MB shared L3 cache, Video Core VII GPU LPDDR4X-4267 4GB SDRAM,2.4 GHz and 5.0 GHz 802.11ac Wi-Fi, Bluetooth 5.0 / Bluetooth Low Energy (BLE),Micro SD card slot, with support for high speed SDR104 mode, 2 USB 3.0 ports, supporting simultaneous 5Gbps operation,2 USB 2.0 ports ,Gigabit Ethernet, with Poe+ support (requires Poe+ HAT),2 4 lane MIPI camera/display transceivers, PCIe 2.0 x1 interface for fast peripherals, 5V/5A DC power (PD enabled) ,Raspberry Pi standard 40-pin header, Real-Time Clock (RTC), powered by an external battery, Onboard power button with Screen 28 inch monitor branded ,Keyboard mouse wireless ,With IP66 Box and power supply and general accessories all included)”

The image shows a handwritten signature 'Karan' in blue ink on the left. To its right is a printed name card for Dr. Karan Nathwani. The text on the card reads: 'डॉ. करण नथवानी', 'Dr. Karan Nathwani', 'इ-मेल : karan.nathwani@iitjammu.ac.in', 'विद्यया च सर्वज्ञानं प्रथमम्', 'Department of Electrical Engineering', 'Indian Institute of Technology Jammu', 'जगती, राष्ट्रीय राजमार्ग-181221, जम्मू, भारत', 'Jagti, Nagrota, Jammu-181221, J&K, India'.

Karan Nathwani

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