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VEER NARMAD SOUTH GUJARAT UNIVERSITY

University Campus, Udhna-Magdalla Road, SURAT - 395 007, Gujarat, India.

વીર નર્મદ દક્ષિણ ગુજરાત યુનિવર્સિટી

યુનિવર્સિટી કેમ્પસ, ઉધના-મગદલા રોડ, સુરત - ૩૯૫ ૦૦૭, ગુજરાત, ભારત.

Tel : +91 - 261 - 2227141 to 2227146, Toll Free : 1800 2333 011, Fax : +91 - 261 - 2227312

E-mail : info@vnsgu.ac.in, Website : www.vnsgu.ac.in

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Ref. Dept. of ICT/5596

Date: 5/10/2026.

To,

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Sub. : Inquiry for Educational Nano Drone Kit – 5 piece.

Hello,

Please send your lowest quotation for following item at Department of ICT, VNsgu. The specification is as per attached Annexure – 1.

Sr.	Description	Qty.	Total Amount with GST
1.	Educational Nano Drone Kit	5	

Please send your quotation in the name of **Head, Department of ICT, Veer Narmad South Gujarat University, Udhna-Magdalla Road, Surat -395 007, on or before dt. 15/10/2026.**

ખાસ નોંધ :- ભાવપત્રકો વ્યવસ્થિત રીતે સીલબંધ કવરમાં સીલ કરીને જ મોકલવા. કવરને સ્ટેપલર મારવું નહીં.

Terms & Conditions :-

1. Amount mentioned in Quotation must be total cost inclusive of all taxes.
2. The delivery of the items is to be strictly within 10 days from the date of the order.
3. Payment will be done only after satisfactory installation. No advance or part payment is admissible.
4. In all matters, the University Registrar shall be the competent authority and his decision shall be final and binding upon all concerned.
5. Any dispute arising out of this order, supply, installation, rejection, warranty, maintenance etc shall be instituted in a court of competent jurisdiction situated in Surat.

Thanking you,

P. Pushpal Desai

Dr. Pushpal Desai

Head

Department of ICT

[Signature]

Educational Nano drone Kit

Nano drone Technical Specifications

Dimensions	16 cm x 16 cm (L x W)
Weight / MTOW(Maximum Takeoff Weight)	50 grams (weight) to 80 grams (Maximum Takeoff Weight)
Flight Time	7+ minutes
Range	70–100 meters
Microcontroller	STM32F303 (72 MHz, 256 KB flash)
Propulsion	Brushed coreless DC motors
Motor Drivers	4 MOSFET (unidirectional) & 4 H-Bridge drives (bidirectional)
Battery	1S 3.7V 600mAh LiPo battery with built-in charger
Camera	Photo and video (720p/1080p supported with SD card slot)
Connectivity	Wi-Fi interface for smartphone app control
Speed	3 meter / sec
Firmware	MagisV2
Flight Controller	Primus X2
Controls	Smartphone App
Stabilization	10-axis stability
Firmware Update	OTA (Over-The-Air Wi-Fi Flashing) and USB
External Gamepad	Compatible
Charging Time	45 mins

Features & Software

- **Open-Source:** Fully open-source firmware and software supporting C++, Python, ROS (Robot Operating System),
- **Modular Design:** Breadboard-style expansion via UniBus (20-pin header with GPIOs, UART, I2C, SPI) for multi-sensor integration.
- User manual must be provided
- Development IDE access and support for programming must be provided.
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- prop tool, spare motors, spare propellers, spare battery, must be provide with kit