

F.No.:G_C/C-PUR/3-35/CoE CSM/24-25/2043

Date: 11/09/2025

Notice Inviting Quotation

Sub: Quotation for providing "Augmented Reality -Virtual Reality (AR-VR) based Crime Scene Investigating Training Module for Rape & Murder Case" as per Annexre-1.

NFSU is inviting quotation for purchase of "Augmented Reality -Virtual Reality (AR-VR) based Crime Scene Investigating Training Module for Rape & Murder Case" as per attached Annexure- 1 with this Notice inviting quotation letter.

1. Quotation will be accepted at below mentioned address up to **30-09-2025**.
Address: 007, Purchase section,
ITC Building,
NFSU, Gandhinagar Campus - 382007
2. Quotation must be submitted along with compliance of the Technical Specification duly signed on letter head of vendor's firm, brochure of the offered product and Price Break up for set up as per **Annexure - 1**.
3. Rate must be quoted including all the charges/Taxes and terms must be clearly stated.
4. Quotation will be valid up-to six months, provided with **PAN Card** and **GSTIN** information.
5. Quotation should be addressed to:
Campus Director
National Forensic Sciences University
Gandhinagar
6. Quotation should be sent by Registered/Speed Post/By Hand Delivery/Courier.
7. On the top of the left corner of the envelope, the following may be specially mentioned:
 - a. **Our reference No.**
 - b. **Quotation for providing of "Augmented Reality -Virtual Reality (AR-VR) based Crime Scene Investigating Training Module for Rape & Murder Case".****If the above details are not mentioned on the top of envelop, quotation is likely to be ignored.**
8. Quotation should be sent in a sealed envelope.
9. The **L1 bidder**, subject to qualifying in the technical scrutiny, shall submit a **Performance Bank Guarantee (PBG)** amounting to **5% of the Purchase Order (PO) value**.
 - The PBG must be **valid for 15 months** from the date of issue.
 - The PBG shall be made **payable to the Campus Director, Gandhinagar Campus**.
10. Right to accept or reject any quotation without assigning any reason remains with the university.



Joint Registrar
NFSU, Gandhinagar

Enclosure:
Annexure 1: Technical Specifications

Gandhinagar Campus & Headquarter

Sector-9, Gandhinagar
Gujarat 382007
Ph: 079-23977102/103
Fax: 079-23247465
Email:
Campus - director_gnr@nfsu.ac.in
HQ - exe_registrar@nfsu.ac.in

Delhi Campus

LNJN NICFS
Sector - 3
Outer Ring Road
Rohini, Delhi -110085
Ph: 011-2752109, 27511580
Fax: 011-27511571
Email: director_dc@nfsu.ac.in

Goa Campus

Curti, Ponda
Goa - 403401
Ph: 0832-2313036/3034
Email: director_goa@nfsu.ac.in

Tripura Campus

VIP Road, Radhanagar
Adjacent to Buddha Mandir
Agartala-799001, Tripura
Ph: 0381-2310009/0006,
2312525/2828
Email: director_tripura@nfsu.ac.in

Bhopal Campus

NFSU, C/o CFSL,
Barkhera Bander,
P. O. BairagarhKalan,
Bhopal-462 030 (MP)
Ph: 7552995271
Email: director_bhupal@nfsu.ac.in

NFSU Academy:-Pune, Kamrup, Manipur

Technical Specifications

1. Project Title: Implementation of Virtual Reality-Based Crime Scene Investigation Training Module – Rape & Murder Case

2. Objective

To design, develop, and implement a Virtual Reality (VR)-based immersive training solution for first responders handling rape and murder crime scene investigations. The training module shall be installed at the Centre of Excellence, NFSU Gandhinagar, to enhance forensic investigation skills using VR technology.

3. Scope of Work

The vendor shall provide a complete turnkey solution including software, hardware, installation, training, and support services. The scope includes the following components:

3.1 VR-Based Training Module Development

- Development of a VR-based interactive training module focused on **crime scene investigation for rape and murder case**.
- The module shall simulate realistic 3D crime scene environments to provide immersive and scenario-based training for first responders.
- The training content shall include:
 - Virtual crime scene walkthrough
 - Evidence identification and collection
 - Chain of custody management
 - Use of standard forensic investigation tools
 - SOPs for scene protection and documentation

3.2 Training Modes

- **Tutorial Mode:** Step-by-step guided instructions for learning investigative procedures and protocols.
- **Explore Mode:** Trainee-led investigation following SOPs for evidence handling, documentation, and scene preservation.

3.3 Scenario Design

- Development of a base scenario simulating a rape and murder crime scene with:
 - Detailed 3D environment and physical elements
 - Interactive objects and forensic tools
 - Realistic characters and witness elements (if required)
- Option for modular expansion to include more complex and diverse investigation scenarios.

3.4 Instructor & Language Support

- Integration of a **Virtual Instructor** to guide trainees during the tutorial mode.
- Language support in **English and Hindi** for broader accessibility.

3.5 Hardware Specification

- Supply of **Meta Quest 3 VR Headset** (1 unit):
 - High-performance standalone VR device
 - Comes with motion controllers
 - Preloaded with the developed training module

3.6 Software Installation & Configuration

- Installation and configuration of the VR training software at the Centre of Excellence, NFSU.
- Optimization of the system for standalone and seamless usage.

3.7 Training & Demonstration

- On-site training session for designated faculty and trainees for 1 day.
- Demonstration of both modes with hands-on experience.
- Documentation of operational guidelines and training manual.

3.8 Support & Maintenance

- One-year technical support for bug fixes, updates, and remote troubleshooting.
- Option for AMC (Annual Maintenance Contract) post the support period.

4. Deliverables

The vendor shall provide the following as part of the project:

1. VR-Based Basic Training Module for rape & murder investigation
2. Scenario development with:
 - Interactive 3D crime scene
 - Virtual forensic toolkit
 - Role-based training flow
3. Integrated Virtual Instructor (English and Hindi)
4. Meta Quest 3S VR Headset with accessories
5. On-site software installation and system configuration
6. On-site faculty and trainee training session for 1 day
7. One-year technical support and maintenance

5. Implementation Timeline: Complete implementation including hardware delivery, installation, software setup, and training: **within 10 days** from the date of purchase order confirmation.