



No.: NFSU/CFDS/Project/Recruitment/2025/03

Date: 22/04/2026

CONTRACTUAL ENGAGEMENT

Applications are invited for contractual engagement in the prescribed format eligible for below mentioned post, purely on temporary basis for NFSU CFDS Project.

Sr. No.	Name of Post	Monthly Remuneration	Engagement Period	Total No. of Posts
1	GIS Developer Lead	1,00,000.00	Project-based; up to 12 months (extendable if required)	01
2	Software Engineer	70,000.00	Project-based; up to 12 months (extendable if required)	01
3	Modelling Simulation Engineer	50,000.00	Project-based; up to 12 months (extendable if required)	01
4.	Embedded System/RF Engineer	50,000.00	Project-based; up to 12 months (extendable if required)	01

Date for interview: 30th April 2026 (11 AM)

The interview will be held on 30th April 2026 (11 AM onwards) at CFDS, Admin Building, NESU, Gandhinagar.

Note:

- No invitation emails will be sent for appearing in the interview.
- No TA/DA will be provided for attending the interview.
- The post is purely temporary and commensurate with project.
- **Walk-in Interview is scheduled at 11:00 hours (onwards) on 30th April 2026 at National Forensic Sciences University, Gandhinagar Campus, Police Bhavan Rd, Sector 9, Gandhinagar, Gujarat 382007.**



**Project Advisor
CFDS Project
National Forensic Sciences University**



Gandhinagar, Gujarat

Annex-A

Recruitment Notice for CFDS Project Positions (Contractual)

Walk-In-Applications are invited for contractual engagement in the prescribed format eligible for below mentioned post(s), purely on temporary basis for NFSU CFDS Project under strategic technology and defence-oriented programs including **Wargaming Simulator System (WGS), Digital Simulation Platform (DSP), Drone Systems, Anti-Drone Technologies, and associated simulation / command-and-control initiatives**. The positions are purely contractual and project-based.

1. GIS Developer Lead

Particulars	Details
Name of the Position	GIS Developer Lead
Number of Posts	01
Project	CFDS Project
Duration	Initially for 01 year (extendable based on project requirement)
Key Responsibilities	<ul style="list-style-type: none"> • Lead design and development of the geospatial backbone for WGS / DSP, including 2D/3D GIS architecture, map services, terrain models, and operational overlays. • Develop and supervise geospatial modules for raster/vector data ingestion, satellite imagery overlays, DTED-based terrain handling, map archival, and retrieval workflows. • Implement and validate military geospatial functions such as line-of-sight, intervisibility, terrain masking, slope/aspect/contour analysis, hotspot identification, and route planning for Air, Land, and Naval operations. • Develop coordinate conversion and military grid support including MGRS, GeoRef, GR-Mil, and related coordinate reference systems. • Build GIS-enabled operational layers for Drone / Counter-Drone systems, Weather & Environmental Effects, and Complete Air Picture including Air Defence visualization. • Integrate GIS services with simulation engine, Unreal-based 3D visualization, mission planning workflows, replay / AAR, and decision-support dashboards. • Support geospatial data modelling, API/service integration, performance optimization, and system scalability for multi-user operations. • Guide junior developers, review code and architecture, and ensure documentation, testing, and technical quality of all GIS deliverables.



Essential / Desired Qualifications	<ul style="list-style-type: none"> • B.E. / B.Tech / M.E. / M.Tech in Computer Science, IT, GIS, Geomatics, Remote Sensing, or related discipline. • Strong experience in GIS software development and geospatial system architecture. • Hands-on exposure to geospatial platforms / frameworks such as PostGIS, GeoServer, Cesium, OpenLayers, Leaflet, QGIS, ArcGIS, Luciad or equivalent. • Sound understanding of OGC standards, raster/vector processing, terrain data, spatial databases, and multi-layer visualization. • Experience in geospatial analysis for simulation, command-and-control, defence applications, or digital twin environments will be preferred. • Knowledge of military mapping concepts, air picture display, UAV operations, and environmental overlays will be an added advantage. • Ability to manage multi-disciplinary integration across GIS, simulation, backend, and visualization teams.
Monthly Remuneration	1,00,000.00
Age Limit	26-35
Place of Recruitment	Gandhinagar, Gujarat
Place of Work	Gandhinagar, India and Algeris, Algeria & nominated locations from CFDS, NFSU

2. Software Engineer

Particulars	Details
Name of the Position	Software Engineer
Number of Posts	01
Project	CFDS Project
Duration	Initially for 01 year (extendable based on project requirement)
Key Responsibilities	<ul style="list-style-type: none"> • Develop and maintain Unreal Engine-based real-time 3D systems for defence-grade visualization, simulation, mission rehearsal, and training environments. • Build simulation-oriented modules in C++ and Blueprints for battlefield entities, sensors, weapons, trajectories, actor behaviours, event logic, replay, and scenario visualization. • Implement 3D visualization of Air, Land, Naval, UAV, and Joint operational scenarios with support for complete air picture, threat overlays, and dynamic mission events. • Integrate Unreal visualization with GIS/terrain layers, digital maps, environmental/weather effects, and external simulation or backend data services.



	<ul style="list-style-type: none"> • Support visualization and interaction for Drone / Counter-Drone operations, mission planning, control workflows, and after-action review. • Develop operator-facing interfaces including tactical displays, data overlays, UMG-based control panels, status indicators, dashboards, and animation logic. • Debug crashes, optimize frame time, memory, rendering, and runtime performance for complex simulation scenes and large operational datasets. • Collaborate with GIS, networking, and simulation teams for data synchronization, system integration, testing, and deployment readiness.
Essential / Desired Qualifications	<ul style="list-style-type: none"> • B.E. / B.Tech / M.E. / M.Tech in Computer Science, IT, Game Technology, Simulation, Electronics, or related discipline. • Strong C++ fundamentals and hands-on Unreal Engine (UE4/UE5) development experience. • Working knowledge of Blueprints, gameplay/simulation systems, actor/component architecture, UMG, camera/input systems, and performance profiling. • Familiarity with data-driven simulation, real-time visualization, and external data integration. • Experience with GIS-terrain integration, digital twins, defence simulation, or aerospace visualization will be preferred. • Knowledge of networking basics, multiplayer / replication concepts, or telemetry/sensor-data driven visualization will be an added advantage. • Ability to translate technical operational requirements into stable and performant visualization systems.
Monthly Remuneration	70,000.00
Age Limit	24-35
Place of Recruitment	Gandhinagar, Gujarat
Place of Work	Gandhinagar, India and Algeris, Algeria & nominated locations from CFDS, NFSU

3. Modelling Simulation Engineer

Particulars	Details
Name of the Position	Modelling Simulation Engineer
Number of Posts	01
Project	CFDS Project
Duration	Initially for 01 year (extendable based on project requirement)



<p>Key Responsibilities</p>	<ul style="list-style-type: none"> • Design, develop, and maintain simulation models, entity behaviour, and scenario logic for Wargaming Simulator (WGS) / Distributed Simulation Platform (DSP). • Develop and manage multi-domain simulation components including land, air, and drone / counter-drone operational scenarios. • Implement real-time data exchange mechanisms for simulation entities such as tracks, telemetry, sensor feeds, command inputs, and mission events across distributed system modules. • Integrate simulation backend with GIS platforms, Unreal Engine-based 3D visualization clients, and operator control interfaces. • Develop and support interoperability frameworks using protocols such as TCP/UDP, REST APIs, WebSockets, and message queue systems for distributed simulation environments. • Implement entity state synchronization, time management, and event-driven simulation workflows across multi-user systems. • Support modelling of operational environments, including airspace management, air defence systems, drone operations, weather effects, and mission planning services. • Work on latency optimization, time-step synchronization, scalability, and performance tuning of real-time simulation systems. • Implement secure and resilient communication layers, including authentication, access control, logging, and failover handling. • Assist in scenario generation, testing, validation, debugging, and demonstration support for simulation exercises and trials. • Prepare Interface Control Documents (ICDs), simulation design documents, and technical reports
<p>Essential / Desired Qualifications</p>	<ul style="list-style-type: none"> • B.E. / B.Tech / M.E. / M.Tech in: Computer Science / IT, Electronics / Communication, Aerospace / Simulation / Systems Engineering (preferred) • Strong understanding of: Modelling & Simulation concepts (DIS, HLA, or equivalent frameworks – preferred), Distributed systems and real-time architectures, Data structures, algorithms, and system design • Hands-on experience in: Programming: C++, Python, Java, or similar, Backend systems, APIs, and real-time data handling • Experience with: Simulation environments, game engines (e.g., Unreal Engine), or GIS integration, Multi-user or distributed applications



	<ul style="list-style-type: none">• Knowledge of: Networking fundamentals (TCP/UDP, sockets), Linux/server-based deployment environments, Database-backed systems• Understanding of: Simulation systems, command-and-control (C2), or sensor-data integration (desirable)
Monthly Remuneration	50,000.00
Age Limit	24-30
Place of Recruitment	Gandhinagar, Gujarat
Place of Work	Gandhinagar, India and Algeris, Algeria & nominated locations from CFDS, NFSU

4. Embedded System/RF Engineer

Particulars	Details
Name of the Position	Embedded System/RF Engineer
Number of Posts	01
Project	CFDS Project
Duration	Initially for 01 year (extendable based on project requirement)
Key Responsibilities	<ul style="list-style-type: none">• Design, develop, and test RF-based systems related to Drone and vdCounter-Drone applications, including detection, identification, and mitigation modules.• Work on RF signal analysis, spectrum monitoring, protocol identification, and threat classification for UAV systems.• Develop RF libraries and threat databases for different drone communication systems (commercial and tactical).• Conduct lab and field-testing using RF tools such as spectrum analyzers, SDR platforms (e.g., HackRF, USRP), and signal processing toolkits.• Support integration of RF subsystems with Command-and-Control (C2) applications, simulation platforms, and real-time operational dashboards.• Assist in development of EW (Electronic Warfare) capabilities including jamming techniques, spoofing concepts, and RF countermeasure strategies.• Perform RF propagation analysis, link budget calculations, and environment-based performance assessments.• Collaborate with GIS, networking, and simulation teams to integrate RF data into geospatial and operational visualization layers.• Prepare technical documentation, test reports, and support demonstration/trials for deployed systems.



गृह मंत्रालय
MINISTRY OF
HOME AFFAIRS

राष्ट्रीय न्यायालयिक विज्ञान विश्वविद्यालय
(राष्ट्रीय महत्व का संस्थान, गृह मंत्रालय, भारत सरकार)
National Forensic Sciences University
(An Institution of National Importance under Ministry of Home Affairs,



Essential / Desired Qualifications	<ul style="list-style-type: none">• B.E. / B.Tech / M.E. / M.Tech in Electronics, Communication Engineering, RF Engineering, or related discipline.• Strong fundamentals in RF engineering, wireless communication, and signal processing.• Hands-on experience with SDR platforms (HackRF, USRP, RTL-SDR, etc.) and RF testing equipment.• Knowledge of communication protocols used in UAVs (Wi-Fi, telemetry links, GNSS, proprietary RF links).• Experience in spectrum analysis, modulation techniques, and signal decoding.• Exposure to Electronic Warfare (EW), jamming systems, or counter-UAS technologies will be preferred.• Familiarity with Python, MATLAB, GNU Radio, or similar tools for RF signal processing and analysis.• Understanding of RF propagation models, antenna systems, and field-testing methodologies.
Monthly Remuneration	50,000.00
Age Limit	24-30
Place of Recruitment	Gandhinagar, Gujarat
Place of Work	Gandhinagar, India and Algeria & nominated locations from CFDS, NFSU

Attention

- No invitation emails will be sent for appearing in the interview.
- The post is purely temporary and commensurate with project.
- The engagement will be initially for one year, which may be extended based on project requirements and performance.
- The selected candidate may be required to travel within India and abroad for project-related activities.
- No TA/DA will be provided for attending the interview process.
- **Walk-in Interview is scheduled at 11:00 hours (onwards) on 30th April 2026 at National Forensic Sciences University, Gandhinagar Campus, Police Bhavan Rd, Sector 9, Gandhinagar, Gujarat 382007**
- The University reserves the right to modify, cancel, or withdraw the recruitment process at any stage without assigning any reason.



[Handwritten Signature]

Project Advisor
CFDS Project
National Forensic Sciences University
Gandhinagar, Gujarat

Information contained in these documents is confidential, privileged, and only for the intended recipient and may not be used, published, or redistributed without the prior written consent of National Forensic Sciences University