THE INVESTIGATIVE MIND

A NATIONAL FORENSIC SCIENCES UNIVERSITY – GOA CAMPUS NEWSLETTER

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FOOD FOR THOUGHT
By Dr. Narayan Waghmare

"Chain of custody lives on trust; once broken, hard to repair."

THE INAUGURAL ISSUE GLIMPSES OF THE YEAR 2025

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GOA CAMPUS
NFSU

NFSU Goa celebrated Youth Day on 21-22 Jan'25 by organizing quiz, elocution & poster competitions

NFSU Goa Campus celebrated National Youth Day on 21–22 January 2025 with great enthusiasm by organizing a series of student-centric activities, including quiz, elocution, and poster-making competitions. The events aimed to inspire young minds and encourage active participation in nation-building initiatives. As part of the celebrations, Dr. Anirban Roy, Associate Professor, BITS Goa, delivered an enlightening address on the theme "Education for Nation's Empowerment," aligning with Swami Vivekananda's vision of youth-led nation building. His talk emphasized the pivotal role of education in empowering the youth to contribute meaningfully to society and the nation. The celebration reflected NFSU Goa's commitment to nurturing responsible, informed, and socially conscious future leaders.

76th Republic Day Celebrations at NFSU Goa Campus

NFSU Goa Campus celebrated the 76th Republic Day on 26 January 2025 with a spirit of patriotism and national pride. The occasion was marked by enthusiastic participation from faculty, staff, and students. On this significant day, Prof. Naveen Chaudhary, Campus Director, NFSU Goa, addressed the gathering and emphasized the importance of developing a strong scientific and forensic temper among students. His address highlighted the crucial role of education, science, and forensic research in achieving the vision of "Viksit Bharat @2047." The celebration reaffirmed NFSU Goa's commitment to fostering responsible citizens dedicated to national development and excellence in forensic and scientific domains.

Cyber Awareness Talk Conducted by NFSU Goa

NFSU Goa Campus organized a cyber awareness talk for the students of Goa Multi Faculty College, Dharbandora, on 13 January 2025. The session was conducted to create awareness about recent cyber scams, online frauds, and safe digital practices. The interactive talk highlighted common cyber threats, preventive measures, and the importance of cyber hygiene in today's digital environment. The

initiative reflects NFSU Goa's continued efforts to promote cyber safety awareness and community outreach among students and educational institutions.

NFSU Goa Students Secure 2nd Position at National Crime Scene Investigation Competition

Students of NFSU Goa Campus secured Second Position in the National Crime Scene Investigation Competition (Anvakrit) organized by NFSU Delhi on 15–16 January 2025. Heartiest congratulations to Team "Mind Sleuths" — Vishal Gama (Captain), Bhojraj Shinde, and Shaivi Aditya — for demonstrating outstanding investigative skills, teamwork, and professional competence. Their commendable performance reflects the strong practical training and academic rigor at NFSU Goa.

Table Tennis Tournament Organized at NFSU Goa Campus

NFSU Goa Campus hosted an exciting Table Tennis Tournament on 25 and 26 January 2025, witnessing enthusiastic participation from students across the campus. The tournament provided a vibrant platform for students to showcase their sporting skills, agility, and competitive spirit. The event concluded with a felicitation ceremony, where the Campus Director congratulated and awarded the winners with prizes, celebrating their achievements and sportsmanship. The tournament highlighted NFSU Goa's commitment to promoting physical fitness, teamwork, and holistic student development.

Participation of NFSU Goa Students in Students Parliament Competition

Students of NFSU Goa Campus actively participated in the Students Parliament Competition held at the Goa Legislative Secretariat, Porvorim, on Saturday, 15 February 2025. The participants showcased commendable enthusiasm, confidence, and a strong sense of social responsibility. Their insightful perspectives, articulate expression, and awareness of contemporary socio-political issues were highly appreciated, leaving a positive impression on both the judges and the audience. The participation provided students with valuable exposure to democratic processes and encouraged informed civic engagement. The event reflected NFSU Goa's commitment to nurturing socially aware and responsible future leaders.

World DNA Day Observed with Release of SOPs at NFSU Goa

On 25 April 2025, NFSU Goa observed World DNA Day by participating in the release of Standard Operating Procedures (SOPs) for the collection and processing of scientific and forensic evidence in sexual assault cases involving women, developed in the context of the newly enacted criminal laws. The initiative highlights the critical role of DNA and forensic science in ensuring that investigations are conducted with scientific rigor, procedural consistency, and due sensitivity towards survivors. The occasion was graced by Dr. Pinky Anand, Senior Advocate, who emphasized the importance of accuracy, compassion, and strict legal compliance in handling such cases, underscoring the need for robust frameworks that protect both the integrity of evidence and the rights and dignity of victims. Through its engagement in this initiative, NFSU Goa reaffirmed its commitment to strengthening forensic practices and supporting the criminal justice system by promoting standardized, victim-centric, and legally sound procedures that enhance the reliability and admissibility of forensic evidence in courts of law.

11th International Day of Yoga Celebrated at NFSU Goa Campus

NFSU Goa Campus celebrated the 11th International Day of Yoga on 21 June 2025, in alignment with the global theme "Yoga for One Earth, One Health." The event witnessed active participation from faculty members, staff and students reflecting a collective commitment to physical, mental, and spiritual well-being. Various yoga sessions and activities were conducted to promote holistic health, mindfulness, and unity, underscoring the importance of yoga in maintaining harmony between individuals and the environment. The celebration highlighted NFSU Goa's dedication to fostering a healthy and balanced lifestyle within the campus community.

NFSU Researchers Develop Patented GNSS-Based Counterfeit Verification System

Researchers at National Forensic Sciences University (NFSU) have developed and patented a Global Navigation Satellite System (GNSS)-based Counterfeit Entity Verification and Tracking System, marking a significant breakthrough in forensic and financial security innovation. This advanced system represents a major leap in the detection and tracking of counterfeit currency, contributing to enhanced transparency and resilience of the financial system. The innovation underscores NFSU's commitment to cutting-edge research, indigenous technology development, and strengthening national security through forensic science.

NFSU Goa and Centre for Wildlife Forensics Secure German Patent

Congratulations to NFSU Goa Campus and the Centre for Wildlife Forensics on securing a German Patent for their innovative system in forensic science research. The patented method enables rapid and cost-effective extraction of high-quality metagenomic DNA from soil samples, significantly enhancing analytical efficiency. This breakthrough holds immense potential for forensic science applications and wildlife crime investigations, strengthening evidence generation and investigative accuracy. The achievement highlights NFSU Goa's growing global research footprint and its commitment to advancing forensic innovation.

NFSU Goa Team Pays Courtesy Call to Chief Secretary, Goa

A team from NFSU Goa Campus paid a courtesy call on the Chief Secretary, Government of Goa, and engaged in meaningful discussions on the proposed campus development plan at Dharbandora. During the interaction, the team also shared insights into the existing forensic capabilities of NFSU, highlighting how these resources can support the state by reducing the pendency of forensic cases in Goa. The discussion reflected a collaboration towards strengthening forensic infrastructure and enhancing the efficiency of the criminal justice system in the state.

79th Independence Day Celebrated at NFSU Goa Campus

NFSU Goa Campus celebrated the 79th Independence Day with a deep sense of freedom, unity, and national pride, marked by heartfelt patriotism and vibrant enthusiasm. The celebrations included flag hoisting and cultural performances, with each moment resonating with the sacrifices of the nation's heroes. The event also reflected the collective aspiration for a brighter, empowered, and progressive India, reinforcing the values of unity and responsibility among students, faculty, and staff. The celebration reaffirmed NFSU Goa's commitment to contributing meaningfully to nation-building through education, discipline, and service.

Nostalgic Nishad Welcomes Musical Instruments with Traditional Poojan

Nostalgic Nishad, the Music Club of NFSU Goa Campus, warmly welcomed new musical instruments with a heartfelt poojan ceremony, offering prayers for melodies that heal, rhythms that inspire, and music that connects souls. The ceremony symbolized reverence for music as a sacred art form, celebrating the instruments as more than just wood, metal, and reeds—they are carriers of tradition, culture, and timeless expression. The occasion reflected the club's commitment to nurturing musical heritage and fostering a deep spiritual and artistic connection among students and the campus community.

NFSU Goa Teams Dominate Inter-Campus NFSU CTF

The Inter-Campus NFSU Capture The Flag (CTF) competition, "Sangranak Sangram," was conducted on 2 September 2025. Participants from NFSU Goa Campus achieved notable success by securing the first and second positions in the initial phase of the competition. Team TH3_RANG3RS and Team 0xNOVA were commended for their technical expertise and competitive conduct. Their accomplishments highlight the effectiveness of the cybersecurity and cyber forensics training programs at NFSU Goa, as well as the institution's commitment to excellence in technical education. These achievements reflect positively on the

campus and demonstrate the high standard of training provided to students in the field of cybersecurity and cyber forensics.

Three-Day Research and Skills Development Programme on AI in Cybersecurity and Forensic Science at NFSU Goa.

NFSU Goa Campus organized a three-day Research and Skills Development Programme (RSDP) on the theme "AI in Cybersecurity and Forensic Science" from 15 to 17 September 2025. The programme provided a valuable platform for experts, academicians, and researchers to engage in discussions on the transformative role of Artificial Intelligence in cybersecurity and forensic science. Through expert talks and interactive sessions, participants explored emerging trends, practical applications, and future directions of AI-driven solutions in cyber investigations and forensic analysis. The RSDP reflected NFSU Goa's commitment to fostering research excellence, skill enhancement, and interdisciplinary collaboration in emerging technological domains

NFSU Goa Announces Student Team for Inter-Campus Smart India Hackathon 2025

NFSU Goa Campus announced the student team selected to represent the campus at the Inter-Campus Smart India Hackathon (SIH) 2025 on 25 September 2025. The selected teams will showcase their innovation, technical expertise, and problem-solving skills on a national platform.

Chhota Khayal Gayan and Karaoke Competitions Organized

NFSU Goa Campus organized Chhota Khayal Gayan and Karaoke Competitions on the occasion of the birth anniversary of Bharat Ratna Late Smt. Lata Mangeshkar, paying tribute to the legendary melody queen of India. The open competition witnessed enthusiastic participation from across Goa, with performers delivering soulful and captivating renditions that beautifully reflected the musical legacy of Smt. Lata Mangeshkar. The event celebrated classical and contemporary music while fostering cultural appreciation and artistic expression among participants. The program stood as a heartfelt homage to one of India's greatest musical icons and

highlighted NFSU Goa's commitment to promoting cultural and artistic heritage alongside academic excellence.

Anti-Ragging Week Observed at NFSU Goa Campus

NFSU Goa Campus observed Anti-Ragging Week from 12 August to 18 August 2025, reaffirming its commitment to providing a safe, inclusive, and welcoming environment for all students, especially newly admitted students. Various awareness initiatives were undertaken during the week to sensitize students about the ill effects of ragging and to promote mutual respect, dignity, and harmony within the campus community. The observance highlighted NFSU Goa's zero-tolerance policy towards ragging and its dedication to student welfare.

NFSU Goa Organized Lecture Series on Forensic Perspectives

NFSU Goa Campus organized a series of expert lectures titled "Forensic Perspective: Views of Legal Experts and Law Enforcement Agencies" from 26 August to 01 September 2025. The inaugural session featured an insightful lecture by Prof. Dr. N. P. Waghmare, who elaborated on the intricacies of forensic analysis and report writing, emphasizing accuracy, objectivity, and legal relevance. The session provided valuable guidance to students on the practical and judicial aspects of forensic documentation. The lecture series aimed to bridge the gap between forensic science, law, and law enforcement practices, enriching students' professional understanding through expert perspectives.

National Cybersecurity Awareness Month 2025 Kicks Off at NFSU Goa

National Cybersecurity Awareness Month (NCSAM) is observed every October to highlight emerging cyber threats and promote safe, responsible use of digital technologies. It emphasizes that cybersecurity is a shared responsibility, encouraging individuals, institutions, and organizations to adopt secure practices and remain vigilant against risks such as phishing, data breaches, identity theft,

and online fraud. As a national institute dedicated to forensic science and cybersecurity, NFSU Goa plays a pivotal role in advancing the objectives of NCSAM. Through its academic programmes, research, specialized training, and outreach activities, the campus works to strengthen cyber awareness and build capacity among students, law-enforcement agencies, and the wider community. The observance of NCSAM 2025 at NFSU Goa is therefore closely aligned with its mandate to develop skilled, ethically aware professionals capable of addressing contemporary cyber challenges.

The National Cybersecurity Awareness Month 2025 celebrations at NFSU Goa Campus commenced on 1 October 2025 with a painting competition organized as the inaugural activity. Students participated with enthusiasm and creativity, visually expressing key themes of cybersecurity, digital safety, and responsible cyber practices through art. This creative approach enabled complex technical concepts to be communicated in an accessible and engaging manner, setting a positive tone for the month-long observance. Throughout October, several additional activities were planned to deepen engagement and broaden participation. These include a reel-making competition, encouraging students to produce concise, impactful digital content on cybersecurity topics, and a debate competition that provided a platform to discuss legal, ethical, and societal dimensions of cybersecurity.

NFSU Goa Faculty Participate in State-Level Exhibition on Computational Linguistics

During the One-day State-Level Exhibition on "Tools and Techniques in Computational Linguistics: Bridging Language, Technology, and Careers," organized by the Directorate of Higher Education, Government of Goa, on 3 October 2025, faculty members from NFSU Goa Campus actively participated and shared their research contributions. The NFSU Goa faculty presented insights on Natural
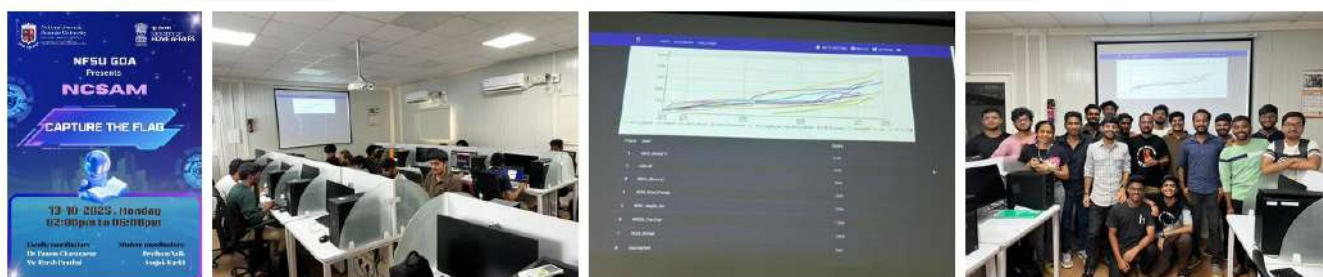
Language Processing (NLP) and its applications, highlighting the intersection of language, technology, and emerging career opportunities. The participation showcased NFSU Goa's research capabilities and its commitment to interdisciplinary innovation and academic outreach

NFSU Goa Faculty Conduct Outreach Activities for Cybersecurity Awareness Month (NCSAM) 2025

As part of Cybersecurity Awareness Month 2025, faculty members of NFSU Goa Campus conducted outreach visits to schools and colleges across urban and rural Goa on 10 October 2025. During these sessions, the faculty sensitized students and teachers on critical cyber safety issues, shared practical measures to stay safe online, and emphasized the importance of responsible digital behavior. Participants were also encouraged to spread cyber awareness within their communities, amplifying the impact of the initiative. The outreach activities reflected NFSU Goa's commitment to building a cyber-aware and digitally resilient society through education and community engagement.

Jeopardy-Style CTF Competition organized at NFSU Goa under NCSAM 2025

As part of the National Cybersecurity Awareness Month (NCSAM) 2025, NFSU Goa Campus organized a 4-hour Jeopardy-style Capture the Flag (CTF) competition on 13 October 2025. The event featured a wide range of challenges spanning key cybersecurity domains, including Reverse Engineering, OSINT, Pwn, and Cryptography. Students actively participated, demonstrating technical proficiency, analytical thinking, and problem-solving skills in a competitive and collaborative environment. The CTF competition served as a hands-on learning platform, reinforcing practical cybersecurity skills and furthering NFSU Goa's commitment to cyber awareness, capacity building, and experiential learning.

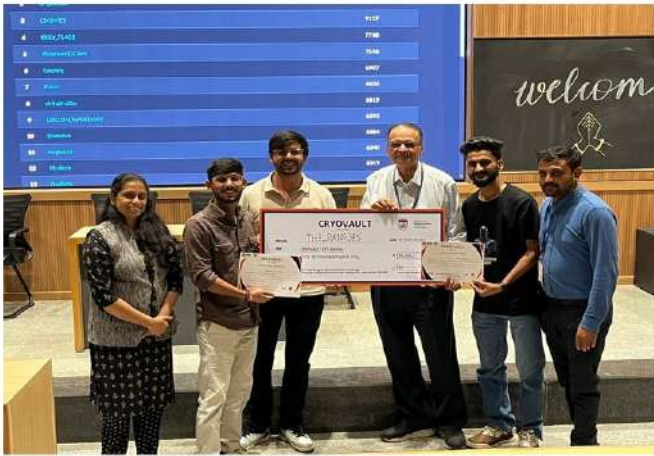## NFSU Goa Students Shine at Goa Police Hackathon 2025

The Goa Police Hackathon 2025, jointly organized by the Goa Police, Government of Goa, and BITS Goa, was held on 12 October 2025 at BITS Goa. Students from NFSU Goa Campus participated and demonstrated commendable talent, innovation, and technical proficiency in addressing real-world law enforcement challenges. NFSU Goa teams were recognized for their outstanding performance, with each winning team receiving a cash prize of ₹50,000. Their achievements underscore the strong problem-solving skills and practical application of knowledge cultivated through the institution's training programs.

NFSU Goa Students Secure First Position at CRYOVAULT CTF

Congratulations to NFSU Goa students Haardik Bhagtani, Ravindra Singh, and Yuvraj Singh of Team TH3_RANG3RS for securing First Position in the CRYOVAULT Capture the Flag (CTF) competition, organized by ISFCR, PES University, Bengaluru, on 9 November 2025The team showcased exceptional technical expertise and strategic problem-solving skills, outperforming over 200 participants from across the country. This achievement highlights the strong cybersecurity training and competitive spirit fostered at NFSU Goa. NFSU Goa congratulates the winning team on their outstanding success and wishes them continued excellence in future competitions.

On 30th October 2025, Shri Sanjiv M. Gadkar, IAS, Secretary (Protocol), paid a courtesy visit to the National Forensic Sciences University (NFSU), Goa Campus.

On 30th October 2025, Shri Sanjiv M. Gadkar, IAS, Secretary (Protocol), paid a courtesy visit to the National Forensic Sciences University (NFSU), Goa Campus. The visit aimed to discuss and explore avenues for strengthened collaboration between the Goa government and NFSU Goa, fostering innovation, research, and capacity-building initiatives in forensic science, cybersecurity, and allied domains. During the interaction, both sides deliberated on potential joint programmes, training initiatives, and research projects, focusing on enhancing technical expertise, knowledge exchange, and applied forensic solutions to support governance and law enforcement. The visit highlighted NFSU Goa's role as a national hub for forensic education and innovation, and reinforced its commitment to collaborative partnerships with state and central authorities.

NFSU Goa Student Selected for National-Level Music Competition

Ms. Sayuja Gurav, a member of the Nostalgic Nishad Music Club, NFSU Goa Campus, has been selected to represent NFSU Goa at a national-level music competition, scheduled to be held on 25 December 2025 in Mumbai. Under the mentorship of Dr.

Mrinmayee Kale, Ms. Gurav's selection reflects her dedication, talent, and consistent efforts in the field of music. NFSU Goa extends its heartiest congratulations to her and wishes her great success at the national stage.

Nostalgic Nishad Inaugurates Lecture Series at NFSU Goa Campus

Nostalgic Nishad, the official music club of NFSU Goa Campus, inaugurated its lecture series titled "Memoirs of Melody Makers" on 15 November 2025. The series aims to celebrate and document the journeys of eminent musicians and contributors to Indian music. The inaugural episode featured the recording of an insightful session with Dr. Mayank Bedekar, a renowned classical percussionist and tabla maestro, who is also a faculty member at the Goa School of Music. The session offered valuable perspectives on classical music, performance, and pedagogy, enriching the cultural and artistic exposure of students.

TRAINING HIGHLIGHTS

Training in Digital Forensics for Income Tax Officers

The National Forensic Sciences University (NFSU), Goa Campus, inaugurated the Five-Day Residential Training Programme on "Digital Forensics for Directorate of Investigation, Income Tax Department" in July 2025. The inaugural session was graced by the esteemed presence of Shri Rahul Garg, IRS, Principal Director of Income Tax (Investigation), Panaji; Dr. Narender Kumar, IRS, Director General of Income Tax (Investigation), Bengaluru; and Shri Ravi Agarwal, Hon'ble Chairman, Central Board of Direct Taxes (CBDT). The five-day intensive training programme focuses on practical, hands-on learning in critical areas such as digital evidence

acquisition, blockchain and cryptocurrency investigations, mobile device forensics, Open-Source Intelligence (OSINT), Artificial Intelligence (AI)-assisted investigations, and cloud forensics. The sessions are conducted by expert faculty members from NFSU Goa. The DGIT residential training programme reflects a strong and enduring partnership between NFSU Goa Campus and the Directorate General of Income Tax (Investigation). As of December 2025, a total of nine DGIT training batches have been successfully completed, with three additional batches remaining to be conducted, aiming to complete twelve batches under the current training cycle. Subsequent training programmes in this series were inaugurated by distinguished dignitaries, including Shri Pradeep Shoury Arya, IRS, Commissioner of Income Tax (CIT); Ms. Manju Thakur, IRS, Additional Director; Shri Satish Meriga, IRS, Commissioner (TDS); Shri Avaneesh Tiwari, IRS, Additional Director, Enforcement Directorate (ED), Goa; and Shri Bipin Kumar Upadhayay, IRS, Commissioner, CGST, Goa, whose insightful addresses reinforced the relevance of digital forensics, capacity building, and inter-agency cooperation in strengthening tax enforcement and financial investigations. The continued success of the DGIT training programme is attributed to the effective leadership and sustained support of Prof. (Dr.) Naveen Chaudhary, Director, NFSU Goa Campus, whose commitment to quality training has set a high benchmark for forensic capacity building. The officers from the Directorate of Investigation, representing various Income Tax offices including IRS, ACIT, ITO, and ITI, from various regions of India, are participating in the DGIT training programme.

First Batch of Cyber Commando Training Programme Launched at NFSU Goa Campus

The first batch of the Cyber Commando Training Programme was successfully completed at the National Forensic Sciences University (NFSU), Goa Campus as a six-month residential initiative aimed at strengthening the operational and technical capabilities of Law Enforcement Agencies (LEAs) in addressing cyber incidents and cybercrime. The programme featured a comprehensive curriculum covering cybercrime investigation, incident response, digital and network forensics, malware analysis, cyber threat intelligence, and cyber laws, with strong emphasis on hands-on training, real-time simulations, and case-based learning. As part of their advanced exposure, Cyber Commandos from NFSU Goa undertook specialized visits to premier national institutions, including DISM, ISRO Bengaluru, where ISRO scientists delivered expert sessions on mission security and protection of critical national assets; CDAC Thiruvananthapuram, where participants gained practical

insights into indigenous processor design, embedded systems, and advanced cyber defense technologies; and the DotC organization, where they received hands-on training in e-discovery and digital forensics case analysis, covering end-to-end investigation workflows, large-scale data handling, and evidentiary integrity. These academic and field engagements collectively reinforced NFSU Goa's role as a national hub for cybersecurity and digital forensics capacity building, while significantly enhancing the Cyber Commandos' preparedness to safeguard mission-critical and strategic digital infrastructure. The success of the Cyber Commando Training Programme is attributed to the effective leadership and sustained support of Prof. (Dr.) Naveen Chaudhary, Director, NFSU Goa Campus, whose commitment to quality training has set a high benchmark for forensic capacity building.
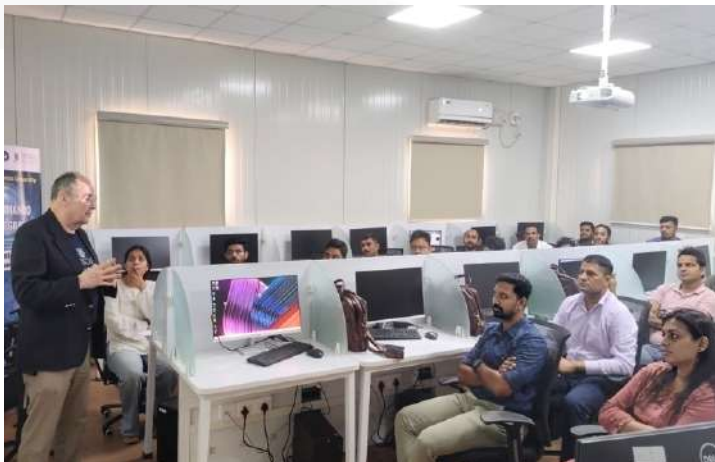

WORKSHOPS & SEMINARS

NFSU Goa Campus conducted expert session on the Role of AI in Cybercrime Investigation

NFSU Goa Campus conducted an expert session on the "Role of AI in Cybercrime Investigation" for Cyber Commandoes under training. Led by seasoned digital forensics faculty, the session explored AI's transformative role in digital forensics—from smart detection mechanisms like anomaly identification and natural language processing for open-source intelligence to predictive insights for threat forecasting. Participants gained practical understanding through real-world case studies on network intrusions, drone forensics, and surveillance analysis, emphasizing ethical AI deployment, bias mitigation, and seamless integration into investigative workflows. Aimed at empowering Cyber Commandoes under training at NFSU Goa, it equipped them with advanced knowledge to enhance cybercrime investigation, rapid response, and proactive defense in India's evolving threat landscape.

Prof. Robert Green OBE from the University of Kent, UK, delivered an expert lecture on "Digital Evidence: A Guide for the First Responder"

On April 24, 2025, Prof. Robert Green OBE, University of Kent, UK, delivered an expert lecture on "Digital Evidence: A Guide for the First Responder" for the Cyber Commandos. The session provided practical insights into the correct identification, collection, preservation, and handling of digital evidence at crime scenes. Prof. Green emphasized best practices for first responders to ensure the integrity and admissibility of digital evidence, highlighting common challenges and real-world scenarios encountered during cybercrime investigations. The lecture enhanced participants' understanding of standard operating procedures and international perspectives, contributing significantly to strengthening their investigative readiness in handling digital evidence effectively.

Three-Days Research and Skill Development Programme (RSDP) on "AI in Cyber Security and Forensic Science

A Three-Day Research and Skill Development Programme (RSDP) on "AI in Cyber Security and Forensic Science" was held from 15th to 17th September 2025 at NFSU Goa Campus. The programme was designed to equip faculty members, researchers, and professionals with in-depth knowledge and practical insights into the transformative role of artificial intelligence in cyber security and forensic science. The RSDP focused on emerging AI-driven tools, techniques, and applications that enhance cyber threat detection, investigation, and forensic analysis. Through expert lectures, interactive sessions, and knowledge-sharing discussions, the programme aimed to promote research orientation, skill enhancement, and future-ready competencies in the rapidly evolving domain of AI-enabled cyber forensics.

On September 10, 2025, faculty members from the the All India Institute of Ayurveda (AIIA), Ministry of Ayush, visited NFSU Goa campus

On September 10, 2025, faculty members from the All India Institute of Ayurveda (AIIA), Ministry of Ayush, visited the NFSU Goa Campus for a special knowledge-sharing programme. During the visit, the participants attended expert lectures delivered by NFSU faculty members on key areas including cyber security, DNA fingerprinting, and forensic science applications. The interaction facilitated meaningful academic exchange and interdisciplinary dialogue, highlighting the relevance of forensic and cyber science across diverse domains. The visit opened avenues for future academic collaboration, research initiatives, and capacity-

building programmes between NFSU Goa and AIIA, strengthening institutional cooperation and knowledge integration.

Dr. Akshata Honnavar from the National Healthcare & Wellness Mission delivered an enlightening session

On 7th November 2025, Dr. Akshata Honnavar from the National Healthcare & Wellness Mission delivered an insightful session at NFSU Goa Campus on lifestyle diseases and their prevention. The session highlighted the growing impact of lifestyle-related health issues such as diabetes, hypertension, obesity, and cardiovascular diseases, and emphasized the importance of preventive healthcare measures. Dr. Akshata Honnavar shared practical guidance on balanced nutrition, regular physical activity, stress management, and early detection techniques, aiming to empower participants to adopt healthier habits. Interactive discussions and real-life examples helped attendees understand the long-term benefits of proactive health management. The session also stressed the role of awareness and education in fostering a culture of wellness, inspiring both students and staff to make informed lifestyle choices and prioritize their overall well-being. promoting healthy lifestyles and raising awareness.

Lt Commander Ratnesh K Mudgal Shares 79 A Lab Insights in Expert Cyber Forensics Lecture to Cyber Commandos

On May 3, 2025, Lt Commander Ratnesh K Mudgal, Joint Director at the Ministry of Defence, Indian Navy, and Officer-in-Charge of the Cyber Forensics Laboratory, delivered an expert lecture on "Digital Forensics Laboratory Operation and Management" to Cyber Commandos. Drawing from his naval expertise, he shared

insights into the workings of 79 A lab, emphasizing ISO 17025 compliance, scalable infrastructure, effective team management, and robust defences against emerging threats like drone forensics and ransomware. The interactive session included real-world naval case studies, equipping participants with strategies to strengthen forensic operations and enhance national cyber resilience, while NFSU Goa Campus expressed gratitude for his invaluable contributions

The National Forensic Sciences University (NFSU) Goa, in collaboration with a two-day national workshop on "Forensic and Technology in New Criminal Laws" on April 4th at IIULER

The National Forensic Sciences University (NFSU) Goa, in collaboration with the India International University of Legal Education and Research (IIULER), successfully hosted a two-day national workshop on "Forensic Science and Technology in New Criminal Laws" on 4th April 2025 at IIULER. The workshop brought together experts, academicians, and practitioners from the fields of forensic science, law, and technology to discuss the implications of recent changes in criminal legislation. Participants engaged in interactive sessions, panel discussions, and practical demonstrations, exploring the integration of advanced forensic methods and emerging technologies in modern criminal investigations. The event emphasized the importance of techno-legal awareness, scientific rigor, and interdisciplinary collaboration in strengthening law enforcement and judicial processes, providing valuable insights for both legal and forensic professionals across the nation.

The Standardization Testing and Quality Certification Directorate (STQC), ETDC, Goa, organized the training.

The Standardization Testing and Quality Certification Directorate (STQC), ETDC, Goa, organized an onsite training programme aimed at enhancing technical expertise in laboratory standards and quality management. Faculty members from NFSU Goa actively participated to strengthen their competence in laboratory quality management, calibration procedures, and testing standards. The training provided hands-on exposure to best practices in laboratory operations, compliance with ISO/IEC standards, internal audits, documentation, and quality

assurance protocols. Participants also engaged in interactive sessions on troubleshooting, process optimization, and maintaining accuracy and reliability in testing procedures. The programme not only enhanced practical skills but also reinforced NFSU's commitment to continuous professional development, excellence in forensic science, and maintaining high standards in laboratory and research operations

On 16th October 2025, faculty members from the National Forensic University, Goa Campus, delivered expert sessions

On 16th October 2025, faculty members from the National Forensic Sciences University (NFSU), Goa Campus, delivered expert sessions at the Workshop for Branch Officials focusing on Personal Cyber Hygiene, Threat Awareness, and Institutional Cybersecurity Measures. The sessions emphasized the importance of data protection, IT governance, and secure digital practices within organizational settings. Participants gained practical insights into identifying and mitigating cyber threats, safeguarding sensitive information, and implementing robust cybersecurity frameworks. Through interactive demonstrations and case-based discussions, the faculty highlighted strategies for strengthening institutional resilience against cyber incidents, enhancing awareness of emerging threats, and promoting a culture of cyber vigilance and accountability. The workshop served as a platform for knowledge sharing, skill development, and fostering best practices in cybersecurity for government and institutional personnel.

A two-day workshop cum demonstration on macOS forensic tools

A two-day workshop cum demonstration on macOS forensic tools was successfully conducted from 13th to 14th November 2025 at NFSU Goa Campus for faculty members and students. The workshop provided comprehensive exposure to advanced forensic investigation techniques tailored for the macOS environment. Participants learned about data acquisition, analysis, and recovery techniques specific to macOS systems, including practical use of specialized forensic software and tools. The sessions covered topics such as file system analysis, artifact recovery, memory forensics, and incident response procedures, with hands-on demonstrations to reinforce theoretical concepts.

Ernst & Young (EY) – Bangalore

Students of NFSU have been placed at EY, Bangalore, a globally recognized professional services organization known for its strong presence in consulting, risk advisory, cybersecurity, data analytics and technology-driven business transformation. This association provides students from programmes such as M.Sc. Cyber Security, M.Sc. DFIS and M.Tech AI & Data Science with an excellent platform to work on complex, real-world projects at the intersection of technology and business. The opportunity to contribute to large-scale, data-driven and security-focused initiatives at EY significantly enhances their professional exposure and strengthens their readiness for leadership roles in the digital economy.

Placed students: Haardik Paras Bhagtani (M.Sc. Cyber Security), Harshal Navanath Thavare (M.Sc. Cyber Security), Harshada Borude (M.Sc. DFIS), Aaditya Ketanbhai Chauhan (M.Sc. Cyber Security), Aastha Tiwari (M.Tech AI & Data Science), Stuti Shukla (M.Tech AI & Data Science).

National Investigation Agency (NIA), Guwahati

Students of NFSU have also been placed at the National Investigation Agency (NIA), Guwahati, India's premier counter-terrorism and national security investigation agency. Placement at NIA reflects the critical role of technically trained graduates in supporting high-stakes investigations that demand robust capabilities in digital forensics, data analysis and ICT-based evidence handling. Working with NIA enables students to directly contribute to matters of national security, while deepening their practical understanding of forensic methodologies, protocols and investigative standards in a real-world enforcement environment.

Placed students: Ashish Kamboj (M.Sc. Cyber Security), Ashesh Chakraborty (M.Sc. Cyber Security).

SANA Cyber Forensics Investigation & Data Security Services Pvt. Ltd.

NFSU students have been placed at SANA Cyber Forensics Investigation & Data Security Services Pvt. Ltd., a specialized organization focused on cybercrime investigation, digital evidence analysis and data security services. This placement highlights the strong applied orientation of NFSU's programmes in forensic science and digital forensics, as students get to work hands-on with real cases, incident

response assignments and data protection engagements. The organization provides a focused environment where students can refine their investigative skills, gain exposure to contemporary tools and techniques, and contribute to strengthening cybersecurity and digital evidence practices in industry.

Placed students: Prathamesh Naik (B.Sc.–M.Sc. Forensic Science), Ananya (B.Sc.–M.Sc. Forensic Science), Kashmika (Integrated) (B.Sc.–M.Sc. Forensic Science), Annyesha Pal (B.Sc.–M.Sc. Forensic Science), Aakansha Kamle (B.Sc.–M.Sc. Forensic Science), Shovan Chakraborty (M.Sc. DFIS).

Sophos, Bangalore

Students from NFSU have been placed at Sophos, Bangalore, a well-known global cybersecurity company that develops advanced security products and solutions such as endpoint protection, network security, and threat intelligence platforms. Placement at Sophos offers students a unique opportunity to engage with cutting-edge security technologies, malware analysis, threat hunting, and AI-driven defense mechanisms. This association enables them to work in a highly innovative product-based environment, strengthening their expertise in digital forensics, cyber defense and secure systems design.

Placed students: Hemant K. Nerkar (M.Sc. DFIS), Dhruvkumar Patel (M.Tech AI & Data Science), Kapil Kotecha (M.Sc. DFIS), Adwait Deshpande (M.Sc. DFIS), Yash Rana (M.Sc. DFIS).

Protect.ai

Placement of NFSU students at Protect.ai reflects the growing relevance of artificial intelligence and data-driven security solutions in the contemporary cyber landscape. Protect.ai provides an environment where advanced AI and machine learning techniques are leveraged to address emerging security challenges, making it an apt destination for students trained in AI and Data Science with a strong security and forensics orientation. The role offers scope to work on innovative AI-based tools, platforms and frameworks that enhance the protection, monitoring and resilience of digital systems.

Placed student: Deep Wagh (M.Tech AI & Data Science).

JOURNAL ARTICLES

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- Panchbhai, K. G., Lanjewar, M. G., **Charanarur, Panem.**, et al. (2025). Identification of nail diseases using DenseNet169 with leaky ReLU and LSTM with data balancing method. Discover Computing, 28, Article 273. https://doi.org/10.1007/s10791-025-09785-x
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PATENTS AWARDED

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- **Charanarur Panem.** (2025). Security evaluation of IoT networks: Hybrid attack analysis on LoRa protocol (Indian Patent Application No. 2202521035014). Filed April 10, 2025; published in Indian Patent Journal 18/2025 (Part I) on May 2, 2025.

- **Charanarur Panem.** (2025). Comparison of machine learning algorithms for wind speed classification in renewable energy systems (Indian Patent Application No. 202541007130). Filed January 28, 2025; published in Indian Patent Journal 06/2025 (Part I) on February 7, 2025.

- **Charanarur Panem.** (2025). IoT-enabled medical infusion monitoring device (Indian Design Patent No. 434769-001; CBR-219246). Filed October 18, 2024; published in Indian Patent Journal 05/2025 (Designs) on January 31, 2025; granted as a design patent.

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AWARDS AND HONOURABLE ACHIEVEMENTS

- **Dr. Waghmare** was appointed as an Expert Committee member in the project management unit for FSL Delhi, tasked with suggesting measures to address backlog cases in Forensic Ballistics, Forensic Physics, Forensic Audio and Video Analysis, and the Cyber Forensic Division of FSL Delhi.

- **Dr. Panem Charanarur** was
  - Selected as an Ambassador of IEEE R10 ACEI Entrepreneurship for 2025.
  - He was recognized as a Senior Member of IEEE.
  - He was elected as a Fellow Member of IETE.
  - He played a key role in recognizing students' achievements in CTF competitions at NFSU Goa Campus in 2025, demonstrating his leadership in both entrepreneurship and cybersecurity education.

- **Dr. Mrinmayee Kale**, Assistant Professor at NFSU Goa Campus, has achieved a remarkable milestone with the telecast of four self-penned songs on Prasar Bharati, Doordarshan.

FROM THE EDITORIAL DESK

The Editorial Team of the NFSU Newsletter — Dr. Jovi D'Silva, Dr. Manpreet Kaur, Dr. T.K. Gundoor, and Mr. Harsh Panchal — extends heartfelt thanks to all the faculty and staff of our campus for their continuous support and collaboration in bringing this edition to life. We express our deepest gratitude to our Campus Director, Prof. (Dr.) Naveen Chaudhary, for his inspiring leadership, constant encouragement, and faith in our work. A special note of thanks to Dr. Lokesh Chouhan, Dean (Academics), for his invaluable guidance, and Mr. Sunderlal Sharma, Deputy Registrar, for his steadfast support and cooperation throughout this endeavor. Your belief in our vision has been a source of motivation, and your support has made this publication possible.

FIN.

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