

वार्षिक प्रतिवेदन ANNUAL REPORT 2022-2023

01st April 2022 to 31st March 2023

(In compliance of Section-38 of the NFSU Act 2020)

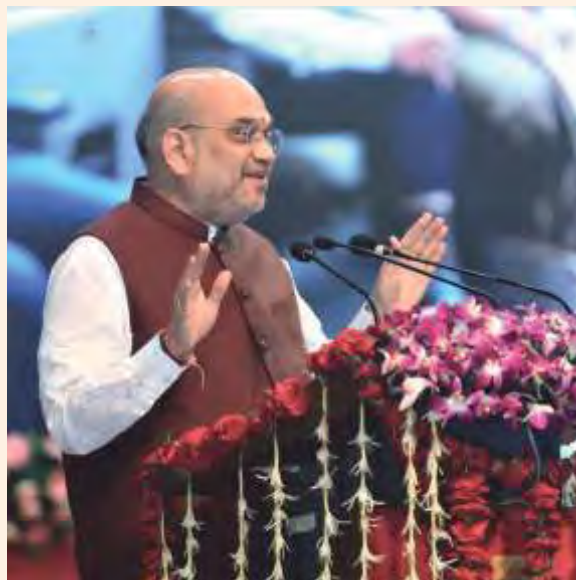
NATIONAL FORENSIC SCIENCES UNIVERSITY

राष्ट्रीय न्यायालयिक विश्वविद्यालय



“ Forensic Science provides a strong scientific support system to the courts of law. And, I firmly believe that forensic skills render a great service to the society ”

- **Shri Narendra Modi**
Hon'ble Prime Minister of India



“ If the law and order situation in India has to be improved, our criminal justice system has to be integrated with the investigations done by forensic science. ”

- **Shri Amit Shah**
Hon'ble Minister of Home Affairs
and Co-operation



National Forensic Sciences University

Knowledge | Wisdom | Fulfilment

An Institution of National Importance
(Ministry of Home Affairs, Government of India)

PART - I

ANNUAL REPORT

2022-23

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Message from Hon'ble Vice Chancellor

I am delighted to present the Annual Report 2022-23, which provides a reflection of the performance and achievements of the National Forensic Sciences University, during the year. The world is entering the post COVID era, where a conventional practice of education is enhanced with virtual world of online teaching. The Annual Report is a reflection of our collective efforts at meeting the challenges of the present times heads-on as well as adherence to our commitment to the vowed aims of academic excellence and value-based education. This Report embodies how and to what extent the University, as a whole, has been able to redeem its pledge to bring all divides together for a more equitable society.

The year 2022-23 marked the entry of our esteemed University into the 3rd year of its up-gradation as an Institute of National Importance. It is a matter of pride for all of us that the University continues to emerge as a leading educational institution in the field of Forensic and allied Sciences across the globe. We are now indeed a name to reckon with!

The University, during the current Academic Session, under 11 Schools and 9 Centre of Excellence from 9 Campuses across India, offered One Undergraduate Programme, 54 Postgraduate Programmes, 38 Postgraduate Diploma Programmes and 17 Integrated and Certificate Programmes. The University, with a vision to spread its reach across India and abroad in the near future and to expand the academic horizon of the University in tune with National Education Policy-2020, aspires to introduce more enriching Programmes, Schools, Centre of Excellences and Campuses.

During the Session period, University has inaugurated two new Campuses, one in Bhopal, Madhya Pradesh and the other in Dharwad, Karnataka.

On 28th August, 2022, the First Convocation of National Forensic Sciences University was graced by the presence of Hon'ble Union Minister of Home Affairs and Minister of Cooperation, Shri Amit Shah, as the Chief Guest. The Chief Guest and dignitaries present conferred doctoral degrees, Gold medals to meritorious students, post-graduate degrees and diplomas. A total of 1132 students from 2019-21 and 2020-22 batches were conferred the degrees of the University including 91 foreign students from 21 countries.

The University successfully hosted key events viz., the 7th Digital Forensics Expert Group Meeting organized by the INTERPOL Innovation Centre and hosted by the National Forensic Sciences University (NFSU) India during 8-10 November 2022; Forensic Science Hackathon on 1st February 2023, All India Forensic Conference from 1-4 February 2023.

It is a matter of great honour that in December 2022, the Government of India has included NFSU's exhibit analyses results into Section 293 Indian Penal Code (IPC), Code of Criminal Procedure (CrPC).

The University following its tradition of Innovation and societal outreach has provided state of the art Mobile Forensic Vans to Delhi Police.

Besides uninterrupted teaching- learning, training and consultancy activities, the University excelled in research activities also, as the faculties and Scholars published a large number of quality research papers, articles, book chapters and books. The University faculty also made their mark in filling/publishing patents. In addition, one faculty member secured distinguished position of Chairperson in a Prestigious National Committee, thus enhancing the University's representation and prestige.

With this wonderful panorama of achievements and growth in 2022-23, I extend my heartfelt thanks to all the Campus Directors, Deans, Associated Deans, Faculty Members, Administrative officers and staff and dear students for each and every effort of theirs which collectively made our experience worth recounting in this Annual Report. I also express gratitude to the Ministry of Home Affairs and its officers and staff members for their gratification unflinching support.

Once again, to end on a note of pride, I reiterate our commitment to keep National Forensic Sciences University a leading Institute in the field of Forensic Sciences and its allied sciences across the globe, thus strengthening the nations by reducing the shortage of forensic experts in various fields and by this way fulfilling dreams of students to involve them in reducing the crime in the world.

Jai Hind

Dr. J. M. Vyas



About University

The National Forensic Sciences University (NFSU), erstwhile Gujarat Forensic Sciences University (GFSU) is the world's first and only University dedicated to Forensic Science and its allied subjects. This unique University was envisioned by the Hon'ble Prime Minister of India Shri Narendra Modi as the then Hon'ble Chief Minister of Gujarat in 2008 to be an institution of higher learning of international standards and to meet the huge shortfall of experts in different fields of Forensic Science across the world. It came into being on 11th February, 2009 at Gandhinagar, Gujarat with the appointment of Dr. J. M. Vyas as its first Director General. On 1st October 2020, the Government of India elevated the University into a National University and established NFSU through National Forensic Sciences University Act, 2020. Simultaneously, NFSU has also been accorded the status of an Institution of National Importance (INI). On upgradation, the erstwhile GFSU has become the Gujarat Campus of NFSU, and the Lok Nayak Jayprakash Narayan – National Institute of Criminology and Forensic Sciences (LNJN-NICFS) at Rohini, New Delhi as another campus. Four more campuses at Goa, Tripura, Bhopal and Dharwad have been set up. In addition, three academies at Pune, Guwahati and Manipur have also been established by NFSU. The headquarters of NFSU continues to be located at its ultra-modern and lush green campus at Gandhinagar, the capital city of a vibrant and industrious state of Gujarat.

The University comprises of various School & Centres spread across wide ranging academic disciplines of Forensic Science, Doctoral Studies and Research, Medico-Legal Studies, Cyber Security & Digital Forensics, Management Studies, Behavioural Forensics, Engineering & Technology, Police Science & Security Studies, Law Forensic Justice & Policy Studies, Earth Space & Internet Technologies, Pharmacy and Open Learning. Presently, the University offers more than 70 post-graduate courses as well as integrated courses. Besides this, it undertakes variety of short-term training programs for the officers from diverse field such as the judiciary, police, prosecution, armed forces, academics, finance, banking etc. As a result, since 2009, NFSU has trained over 24,000 officers, including more than 2,500 foreign officers from 75 different countries. In order to harness the latest knowledge, advanced technologies and the best practices, NFSU has also entered into academic collaboration across the world and within India with more than 160 multi-disciplined institutions. One of its unique features is that it offers expert consultancy in setting up or upgrading various laboratories in the country as well as abroad. The University boasts of some unique and State of the Art infrastructure, which includes Centre of Excellence in Cyber Security, Ballistic Testing Range and Research Centre, Centre of Excellence in Happiness and well-being, Centre of Excellence in Investigative and Forensic Psychology, Centre of Excellence for Research and Analysis of NDPS, Centre of Excellence in Legal Technology, Centre of Excellence in Multimedia Forensics, Centre of Excellence in Food Technology and Forensics, Centre of Excellence in Nutrition Supplements Testing for Sportsperson, Centre for International relations, International Centre for Humanitarian Forensics, Centre for Futuristic Defence Studies and Centre of Excellence in Forensic Innovation.

NFSU is progressing under the dynamic leadership of its founder Vice Chancellor, Padma Shri Dr. J. M. Vyas, globally renowned and senior-most Forensic Scientist of India with a rich experience of five decades in this field. The highest body of the University is the Board of Governors with the Vice Chancellor as its Chairperson. Each Campus is headed by the Campus Director whereas each Academy is headed by the Coordinator. The Executive Registrar, Shri C. D. Jadeja looks after the entire administration of NFSU. Each School is headed by a Dean and each Centre is headed by a Head.

Executive Summary

The National Forensic Science University (NFSU) is the first and only institution of higher learning in the world that specialises in Forensics, Behavioural, Cybersecurity, Digital forensics, and related fields. The Government of India designated it as an Institution of National Importance in 2020. The goal of NFSU is to establish a pool of competent experts who can contribute to the growth of forensic science and its applications in numerous sectors.

The Executive Summary contains an overview of Major Accomplishments, National and International events organised, Awards, Visits of the important personnels and the constituents of the important committees & its decisions pertains to the National Forensic Sciences University during the Accounting Year 2022-2023.

STATISTICAL DETAILS OF THE UNIVERSITY FOR THE YEAR 2022-2023 IS DETAILED BELOW

Schools/Campuses/Centre of Excellences as on 31.03.2023:

	SCHOOLS-11	CAMPUSES-7	CENTRE OF EXCELLENCE-8
Campus wise Data of Students (as on 31.03.2023) are as follows:			
Name of the Campus/Academy	NFSU Gandhinagar HQ	2199	
	NFSU Delhi Campus	505	
	NFSU Goa Campus	273	
	NFSU Tripura Campus	155	
	NFSU Bhopal Campus	49	
	NFSU Guwahati Academy	14	
	Institute of Forensic Sciences for Training & Skilling- Manipur Academy	28	
	NFSU Pune Academy	8	
	Affiliated Institutions	141	
TOTAL 3372			

Number of Students

Campus wise details of Conference/Webinar/Seminar/Research Publications/Books as on 31.03.2023.

Name of the Campus/ Academy	Conference/Workshop/Seminar /Webinar Participated	Books	Journals Published
NFSU Gandhinagar	176	30	154
NFSU Delhi Campus	64	5	31
NFSU Goa Campus	48		17
NFSU Tripura Campus	27	6	22
NFSU Bhopal Campus	1		
NFSU Guwahati Campus	3	1	7
Manipur Academy	10		2
Total	329	42	233

Campus wise Research Projects/SSIP/Startup Initiatives as on 31.03.2023.

Research Projects -	39	24	41	2	1		12	4	
SSIP -	45	Gandhinagar	Delhi	Goa	Tripura	Bhopal	Guwahati	Pune	Manipur

Details of Patents as on 31.03.2023

NFSU Gandhinagar 7	NFSU Delhi 4
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Number of Memorandum of Understanding signed by the NFSU for the year 2022-2023

National MoUs 19	International MoUs 4
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Number of PhD and Gold Medalists & Placement details of the NFSU Students for the period of 2022-23.

Particulars	PhDs Awarded	Gold Medalists	Students placed
Number of Students/Scholars	13	35	119

2. Important Events in National Forensic Sciences University for the year 2022-23

A. Inauguration/Boomi Pooja Events in the FY 2022-2023.

Sl. No.	Date	Details of the Event
1.	22-08-2022	Bhoomi-Poojan and Inauguration of Off-Campus of NFSU at Bhopal held on 22/08/2022 and Chief guest of the function was Hon'ble Union Home Minister Shri Amit Shah Ji
2.	28-08-2022	Union Home and Cooperation Minister, Shri Amit Shah addressed First convocation of National Forensic Science University (NFSU) and also inaugurated Centre of Excellence Cyber Security at NFSU campus in Gandhinagar on 28th August 2022
3.	28-08-2022	Union Home and Cooperation Minister, Shri Amit Shah addressed First convocation of National Forensic Science University (NFSU) and also inaugurated Centre of Excellence in DNA Forensics at NFSU campus in Gandhinagar on 28th August 2022
4.	28-08-2022	Union Home and Cooperation Minister, Shri Amit Shah addressed First convocation of National Forensic Science University (NFSU) and also inaugurated Centre of Excellence in Investigative and Forensic Psychology at NFSU campus in Gandhinagar on 28th August 2022
5.	09-10-2022	The Centre for Happiness and Wellbeing was inaugurated and dedicated to the nation by the Hon'ble Justice Ms. Sonia Gokani at National Forensic Sciences University (NFSU), Gandhinagar on 09th October 2022.
6.	28-01-2023	Bhoomi-Poojan and Inauguration of Off-Campus of NFSU at Dharwad, Karnataka held on 28/01/2023 and Chief guest of the function was Hon'ble Union Home Minister Shri Amit Shah Ji.

B. Other Important events attended by the Hon'ble Union Home Minister Shri Amit Shah Ji & Education Ministers in National Forensic Sciences University for the period 2022-2023.

S. No	Date	Details of the Event
1.	01-06-2022 & 02-06-2022	Hon'ble Union Education Minister, Education Ministers from different States, and Senior officials from the Union Education Ministry during the National Conference of School Education Ministers hosted at Gandhinagar on 1st and 2nd June 2022
2.	25-06-2022 & 26-06-2022	Parliamentary Consultative Committee meeting, of the Ministry of Home Affairs, Govt. of India on the Subject "Disaster management" and "Forensic Science Capacities: Strengthening for timely and Scientific Investigation" held at Ekta Nagar (Kevadiya), Gujarat on 25th and 26th June, 2022 headed by Shri Amit Shah, Hon'ble Home Minister and Minister of Cooperation, Govt. of India. National Forensic Sciences University was designated as Nodal organization for organizing the meeting.
3.	28-08-2022	1st Convocation of National Forensic Sciences University, held on 28th August 2022 and Shri Amit Shah, Hon'ble Home Minister and Minister of Cooperation, Govt. of India was the Chief Guest during the convocation of NFSU.

C. Other Important Events of National Forensic Sciences University.

S. No	Date	Details of Event
1.	26-05-2022 to 24-06-2022	The MBA students from the School of Management Studies travelled to Bulgaria's Varna University of Management which is ranked 17th in Europe, during the 2022 semester break as part of the NFSU's International Exposure Program (IEP).
2.	15-07-2022	National Forensic Sciences University joined in celebrating a week-long "Azad ka Amrit Mahotsav" in a big way from 8 th August to 15 th August 2022.
3.	12-10-2022	School of Management Studies organised a campus clean up drive on 12th Oct 2022. This drive focused on waste disposal and anti-littering awareness. The drive was a part of volunteer-based cleanliness campaign by BHUMI NGO. Students of MBA in hospital management, forensic accounting and fraud investigation, cyber security, business intelligence and BBA-MBA integrated participated in the event
4.	16-10-2022	"Legal Hackathon: National Business Plan Competition On Legal Innovation and Legal Start-ups," held on 16th October 2022 (16/10/2022) at, School of Law, Forensic Justice and Policy Studies, NFSU, Gandhinagar.
5.	29-11-2022 to 01-12-2022	Dr. Pierre Guyomarch – Head (Forensic Unit), ICRC – Geneva visited the NFSU and interacted and gave a scientific talk on Humanitarian Forensics to the student. Following VIPs served as resource person at the International Summit on Humanitarian Forensics from 29-11-2022 to 01-12-2022: 1. Justice A.P.Sahi , Director, NJA, Bhopal 2. Justice R. K. Tripathy, Gujarat State Human Rights Commission (SHRC) 3. Mr. Manish Das, Deputy Head of ICRC Regional Delegation for India, Nepal, Bhutan, and the Maldives
6.	16-01-2023	Mr. Peter Cook – Dy. British High Commissioner inaugurated India's first training program on "Virtual Autopsy" started at National Forensic Sciences University (NFSU) on 16th January 2023 at NFSU.
7.	01-02-2023 & 02-02-2023	India's first "Forensic Hackathon" was organized by National Forensic Sciences University in association with the Directorate of Forensic Science Services (DFSS) and under the auspices of the Ministry of Home Affairs (MHA), Government of India on 1-2 February, 2023. Forensic Hackathon was inaugurated by Shri Harsh Sanghvi, Hon'ble Minister of State for Home, Govt. of Gujarat
8.	02-02-2023 & 04-02-2023	A 3-day "25th All India Forensic Science Conference" was organized by National Forensic Sciences University in association with the Directorate of Forensic Science Services (DFSS) and under the auspices of the Ministry of Home Affairs (MHA), Government of India on 2-4 February, 2023. Conference was inaugurated by NHRC Chairperson Shri Justice Arun Kumar Mishra at National Forensic Sciences University (NFSU), Gandhinagar, on 2nd February 2023.

D. National & International delegates visit to National Forensic Sciences University for the year 2022-2023.

(i) International Delegates visits of NFSU are as follows:

S. No	Date	Details of the International delegates visit
1.	09-05-2022	Mr Jeevan Thiagarajan, Hon. Northern Province Governor, Shri Lanka Visited NFSU, Gandhinagar on 9th May,2022
2.	01-09-2022	Dr. Derek Congram – Forensic Specialist, ICRC visited the NFSU and interacted and gave a scientific talk on Humanitarian Forensics to the students of M.Sc. Forensic Dentistry. Ms. Patricia Escolano Guiote, Deputy Regional Director for Asia and the Pacific from ICRC HQ, Geneva visited the National Forensic Sciences University (NFSU), Gandhinagar on 1st September, 2022
3.	12-01-2023	H.E. Mr. Chandrikapersad Santokhi , Hon. President Surinam Visited NFSU, Gandhinagar on 12th January ,2023.
4.	16-01-2023	Mr. Peter Cook – Dy. British High Commissioner inaugurated the first ever Virtual Autopsy Training Program in January and interacted with trainees.
5.	06-02-2023 to 10-02-2023	Lecture Series by Adjunct Faculty Dr. Dalbir Ahlawat of Macquarie University, Sydney, Australia Spread over an entire week, Dr. Ahlawat expertly enunciated the current geopolitical concerns faced by India. He spoke on various topics such as QUAD, Indo- Pak relations, IR theory, Maritime Security, Indo-Pacific, Current situation in Afghanistan etc.
6.	14-03-2023	NDC Officers Visited NFSU, Gandhinagar on 14th March ,2023.

(ii) National Delegates visits to NFSU are as follows:

S. No.	Date	Details of the National delegates visit
1.	13-04-2022	Chief of the Army Staff, General M.M Naravane, PVSM, AVSM, SM, VSM, ADC Visited NFSU, Gandhinagar on 13TH April ,2022
2.	07-06-2022	Air Force Offices Visited NFSU Gandhinagar on 07th June 2022
3.	10-06-2022	National Security Advisor, Shri Ajitkumar Doval KC Visited NFSU at Gandhinagar on 10th June,2022.
4.	29-06-2022	School of Cyber Security and Digital Forensics, NFSU, Gandhinagar organized an expert talk on "Emerging Trends and Research in Digital Forensics" by Prof. Sitharama Iyengar, Distinguished Professor, Florida International University, USA on 29th June, 2022 for the students. Prof. Sitharama Iyengar is an Internationally Renowned Academician who has received many prestigious Global Awards
5.	14-07-2022	Visit of Commandant, Corps of Military Police Centre & School, Brigadier Jose Abraham, along with Lt Col. Krunal Tyagi to NFSU on 14th July, 2022.
6.	15-07-2022	Vice Chief of Naval Staff (VCNS), Vice Admiral S N Ghormade, PVSM,AVSM, ADC Visited NFSU, Gandhinagar on 15th July,2022.
7.	20-07-2022	Army Officers from local formation Visited NFSU, Gandhinagar on 20th July,2022

S. No.	Date	Details of the National delegates visit
8.	23-08-2022 to 24-08-2022	Two days training program on "Forensic Science" for the Indian Forest Service probationers organized at National Forensic Sciences University, Gandhinagar and also delivered talks on Forensic Science and Wildlife Crime Investigation. 23/08/2022 and 24/08/2022
9.	29-08-2022 to 09-09-2022	IPS Probationary Officers from the Sardar Vallabhbhai Patel National Police Academy (SVPNPA) visited Multimedia laboratory from 29th August 2022 to 9th September 2022. They were been imparted with a detailed training focussing on the Forensic Investigation of Multimedia Evidences and its legal admissibility, in the court of law. The training provided both theoretical and practical hands-on training to equip the officers with the necessary knowledge and skills for using audio and video files in criminal investigations.
10	20-09-2022 to 22-09-2022	National Forensic Sciences University organized Training Program on "Wildlife Forensics" for Forest officers (ACF/RFO) of Madhya Pradesh Forest Department at NFSU, Gandhinagar jointly with Wildlife Conservation Trust
11.	30-09-2022	Army Officers from Pune HQs Visited NFSU, Gandhinagar on 30th Sept,2022
12.	30-09-2022	Major General Gopal Verma, of the Military Intelligence Training School, Pune visited NFSU on 30thSeptember 2022 to discuss the avenues for collaboration and training of Military officers in the field of Security, Intelligence & Forensics.
13.	30-09-2022	Director of the National Police Academy, Hyderabad visited NFSU to discuss the conduct of specific training modules for the Indian Police Service Officers at NFSU
14.	18-10-2022	Air Marshal K Anantharaman, VSM, AOA of Indian Air Force visited #NFSU along with Air Commodore R. Kannan, VSM, Provost Marshal (Air) on 18thOctober 2022 during the DefExpo
15.	21-11-2022	Shri. Sanjay Kundu, IPS, Director General of Police (DGP) for Himachal Pradesh on 21st November, 2022 visited the Multimedia Forensics Laboratory at NFSU. He praised the laboratories state-of-the-art equipment and technologies, which allow students to learn and apply forensic techniques to multimedia evidence, such as audio and video recordings. He expressed his appreciation for the opportunity to see first-hand the advanced technology and expertise that NFSU has to offer in the field of forensic science, which he believes will be highly beneficial for the development of law enforcement in India
16.	13-01-2023	Mr. Komar discussed about the various initiatives being undertaken by his Dept. to adopt technology in certain police functions
17.	19-01-2023	Shri Sanjay Kundu, IPS, DGP (Himachal Pradesh)19th January 2023 and the talk focused on various administrative challenges faced by the DGP, the uniqueness of policing in a hill state, fears and concerns surrounding marijuana trade.
18.	14-03-2023	A 34-member team from National Defense College, Delhi visited variuosdepartements and laboratories of SFS on 14th March, 2023
19.	27-03-2023 to 29-03-2023	Lecture Series by Shri K.C. Reddy, IPS The lectures touched upon various topics including Intelligence Bureau of India, Serial Blasts in Mumbai: An investigative account, Border Security Management in India, Hostage Crisis Management, Police Public Relations, NE Insurgency: Identity issues and Police Response
20.	29-03-2023	Officials from Anti-Corruption Bureau on 29th March, 2023 visited Multimedia Laboratory at SFS, NFSU and got demonstration of various equipments used for audio video investigation

Board of Governors

Dr. J.M. Vyas (**Chairperson**)
Vice Chancellor, NFSU

Shri Sriram Taranikanti, IAS (**Member**)
Additional Secretary & Financial Advisor,
Ministry of Home Affairs,
Government of India

Shri Shyamal Misra, IAS (**Member**)
Additional Secretary
(Women Safety Division),
Ministry of Home Affairs,
Government of India

Shri Raj Kumar, IAS (**Member**)
Additional Chief Secretary,
Home Department,
Government of Gujarat

Shri R. K. Desai (**Member**)
Registrar General,
High Court of Gujarat

Dr. S. K. Jain (**Member**)
Director-cum-chief Forensic Scientist,
Directorate of Forensic Science Services,
Ministry of Home Affairs, GOI

Dr. S. O. Junare (**Member**)
Campus Director,
Delhi Campus, NFSU

Dr. H. K. Pratihari (**Member**)
Campus Director,
Tripura Campus, NFSU

Dr. Purvi Pokhariyal (**Member**)
i/c Campus Director,
Gandhinagar Campus, NFSU

Dr. Naveen Kumar Chaudhary (**Member**)
i/c Campus Director,
Goa Campus, NFSU

Dr. Manjunath Ghate (**Member**)
i/c Campus Director,
Dharwad Campus, NFSU

Shri C. D. Jadeja (**Member Secretary**)
Executive Registrar, NFSU

3. Important Meetings of the National Forensic Science University & its decisions:

S. No.	Date	Details of the Meeting
1.	22-06-2022	Finance Committee Meeting
2.	28-06-2022	Finance Committee Meeting
3.	18-07-2022	Finance Committee Meeting
4.	06-09-2022	Academic Council Meeting
5.	09-09-2022	Finance Committee Meeting
6.	04-10-2022	Board of Governors Meeting
7.	02-03-2023	Academic Council Meeting
8.	17-03-2023	Finance Committee Meeting
9.	27-03-2023	Board of Governors Meeting

Academic Council

Dr. J.M. Vyas (**Chairperson**)
Vice Chancellor, NFSU

Dr. S. O. Junare (**Member**)
Campus Director,
Delhi Campus, NFSU

Dr. Naveen Kumar Chaudhary (**Member**)
i/c Campus Director,
Goa Campus, NFSU

Dr. Ketan Patel (**Member**)
Chairman and Managing Director,
Troikaa Pharmaceutical Pvt. Ltd.

Dr. Satish Kumar (**Member**)
Professor and Dean,
School of Forensic Science,
NFSU, Gandhinagar Campus

Dr. S. K. Jain (**Member**)
Director-cum-chief Forensic Scientist,
Directorate of Forensic Science
Services, Ministry of Home Affairs,
Government of India

Dr. Manjunath Ghate (**Member**)
i/c Campus Director,
Dharwad Campus, NFSU

Dr. (Mrs.) Rukmani Krishnamurthy (**Member**)
Chairperson & CEO,
HELIK Advisory Ltd. Mumbai

Dr. Prasenjit Maity (**Member**)
Professor and Dean,
School of Engineering & Technology,
NFSU, Gandhinagar Campus

Dr. Kalpesh A. Shah (**Member**)
Professor, Forensic Medicine,
Civil Hospital, Ahmedabad

Air CMDE. Kedar Thaakar (**Member**)
Dean, School of Police Science &
Security Studies, NFSU, Gandhinagar
Campus

Dr. Govindrajan Raghavan (**Member**)
Head Research & Development,
Zydus Wellness Limited

Dr. Haresh Barot (**Member**)
Associate Professor,
School of Management Studies,
NFSU, Gandhinagar Campus

Dr. H. K. Pratihari (**Member**)
Campus Director,
Tripura Campus, NFSU

Dr. Purvi Pokhariyal (**Member**)
i/c Campus Director,
Gandhinagar Campus

Shri C. D. Jadeja (**Member Secretary**)
Executive Registrar, NFSU

Finance Committee

Dr. J.M. Vyas (**Chairperson**)
Vice Chancellor, NFSU

Dr. H. K. Pratihari (**Member**)
Campus Director,
Tripura Campus, NFSU

Dr. Purvi Pokhariyal (**Member**)
i/c Campus Director,
Gandhinagar Campus, NFSU

Dr. S. K. Jain (**Member**)
Director-cum-chief Forensic Scientist,
Directorate of Forensic Science Services,
Ministry of Home Affairs,
Government of India

Dr. Naveen Kumar Chaudhary (**Member**)
i/c Campus Director,
Goa Campus, NFSU

CA Ganesh Nadar (**Member**)
Managing Partner, DGSM & Co.,
Chartered Accountants

Dr. Manjunath Ghate (**Member**)
i/c Campus Director,
Dharwad Campus, NFSU

Dr. S. O. Junare (**Member**)
Campus Director,
Delhi Campus, NFSU

Shri C. D. Jadeja (**Member Secretary**)
Executive Registrar, NFSU

National delegates Visit to NFSU

MS. DISHA PANNU, IAS, DEPUTY DIRECTOR, LBSNAA, MUSSOORIE AND MR. SANJAY JOSHI, IAS, PROFESSOR OF LAW, LBSNAA, MUSSOORIE FROM LAL BAHADUR SHASTRI NATIONAL ACADEMY OF ADMINISTRATION (LBSNAA), AND MUSSOORIE, TODAY VISITED NFSU ON 10TH MAY, 2022.



SHRI SANJAY KUNDU, DGP OF HIMACHAL PRADESH, DELIVERED AN EXPERT TALK ON "NOVEL WAYS OF MAKING INVESTIGATION AND CONVICTION EFFICIENT" TO THE FACULTY AND STUDENTS ON 19 JAN 2023 AS PART OF THE GUEST LECTURE SERIES ORGANIZED BY SCHOOL OF POLICE SCIENCE & SECURITY STUDIES OF NFSU.

SHRI NARSIMHA N. KOMAR, ADDL. DGP (LAW & ORDER) OF GUJARAT POLICE, DELIVERED AN EXPERT TALK ON "EXPLOITATION OF TECHNOLOGY IN POLICING" TO THE FACULTY AND STUDENTS ON 13 JAN 2023 AS PART OF THE GUEST LECTURE SERIES ORGANIZED BY NFSU'S SCHOOL OF POLICE SCIENCE & SECURITY STUDIES.



LT. GEN. VINOD G. KHANDARE (RETD.), PRINCIPAL ADVISOR IN THE MINISTRY OF DEFENCE ALSO VISITED NATIONAL FORENSIC SCIENCES UNIVERSITY (NFSU), GANDHINAGAR ON 21ST OCTOBER, 2022 AND MET DR. J.M. VYAS, VICE-CHANCELLOR OF NFSU. LT. GEN. KHANDARE HAD AN EXTENSIVE DISCUSSION WITH DR. VYAS ON VARIOUS TOPICS RELATED TO NATIONAL SECURITY.

International Delegates Visit

A HIGH-LEVEL DELEGATION FROM RWANDA CONSISTING OF MAJ GEN ALBERT MURASIRA, MINISTER OF DEFENCE FROM RWANDA VISITED NATIONAL FORENSIC SCIENCES UNIVERSITY (NFSU), GANDHINAGAR HELD EXTENSIVE DISCUSSION WITH DR. J.M. VYAS, VICE-CHANCELLOR OF NFSU ON 21ST OCTOBER, 2022.



MS. PATRICIA ESCOLANO GUIOTE, DEPUTY REGIONAL DIRECTOR FOR ASIA AND THE PACIFIC FROM ICRC HQ, GENEVA VISITED THE NATIONAL FORENSIC SCIENCES UNIVERSITY (NFSU), GANDHINAGAR ON 1ST SEPTEMBER, 2022.



A DELEGATION FROM THE NETHERLANDS, LED BY DR. DHOYA SNIJDERS, INNOVATION COUNSELLOR - NETHERLANDS EMBASSY VISITED NATIONAL FORENSIC SCIENCES UNIVERSITY (NFSU) ON 23RD MAY, 2022.



HON GOV JEEVAN THIAGARAJAH, HON'BLE GOVERNOR- NORTHERN PROVINCE OF SRI LANKA VISITED THE NFSU, GANDHINAGAR ON MAY 17, 2022



A 5-MEMBER DELEGATION OF NATIONAL JUDICIAL ACADEMY, NEPAL ON A FIVE-DAY VISIT AT NATIONAL FORENSIC SCIENCES UNIVERSITY (NFSU) ON 6TH SEPTEMBER, 2022.



INDIA'S FIRST TRAINING PROGRAM ON "VIRTUAL AUTOPSY" STARTED AT NATIONAL FORENSIC SCIENCES UNIVERSITY (NFSU) ON 16TH JANUARY 2023 AT NFSU. MR. PETER COOK, BRITISH DEPUTY HIGH COMMISSIONER TO GUJARAT & RAJASTHAN, WAS THE CHIEF GUEST OF THE INAUGURATION CEREMONY OF A 5-DAY TRAINING PROGRAM ON "VIRTUAL AUTOPSY." DR. J.M. VYAS, VICE CHANCELLOR OF NFSU, MR. ASH GOVIND, CEO, VIRTUAL AUTOPSY, U.K., AND DR. KALPESH SHAH, DEAN, BJ MEDICAL COLLEGE, AHMEDABAD, WERE PRESENT IN THIS INAUGURATION CEREMONY.



DELEGATION FROM SRI LANKA LED BY H.E. MILINDA MORAGODA, HIGH COMMISSIONER OF SRI LANKA AND DELEGATION FROM KARNATAKA LED BY SHRI ARGHA JANENDRA, HON'BLE HOME MINISTER OF KARNATAKA, VISITED NFSU ON 12TH JANUARY 2023



PRESIDENT OF SURINAME SHRI CHAN SANTOKHI VISITED TO THE NFSU, GANDHINAGAR ON JANUARY 2023



Memorandum of Understanding - National



MAHINDRA DEFENCE SYSTEMS LTD (MDSL) SIGNED MEMORANDUM OF UNDERSTANDING (MOU) WITH NATIONAL FORENSIC SCIENCES UNIVERSITY (NFSU), GANDHINAGAR ON 28TH APRIL, 2022 FOR JOINT UNDERTAKING OF WIDE RANGING ACTIVITIES AND PROJECTS. ONE OF THE MAJOR PROJECTS ENVISIONED IS THE JOINT DEVELOPMENT OF MOBILE 'FORENSIC INVESTIGATION VAN' WITH THE STATE-OF-THE-ART.

NFSU SIGNED MOU WITH THE INDIAN ARMY ON 28 SEP 2022 AT HQS ARMY TRAINING COMMAND, SHIMLA. THE NFSU TEAM ALSO HELD WIDE RANGING DISCUSSIONS WITH THE ARMY COMMANDER, LT GEN S.S. MAHAL, AND OTHER SENIOR OFFICERS FOR COLLABORATION IN THE AREAS OF ACADEMICS, TRAINING AND CONSULTANCY.



VEDANTA LIMITED, MUMBAI SIGNED MEMORANDUM OF UNDERSTANDING (MOU) WITH NATIONAL FORENSIC SCIENCES UNIVERSITY (NFSU), GANDHINAGAR ON 2ND MAY, 2022 TO PROMOTE RESEARCH, TRAINING AND ACADEMIC ACTIVITIES. THE MOU WAS SIGNED BY PROF. (DR.) PURVI POKHARIYAL, CAMPUS DIRECTOR, NFSU AND MR. AVTAR SINGH, CHIEF OF SECURITY AND INTELLIGENCE, VEDANTA LIMITED, MUMBAI IN THE PRESENCE OF DR J. M. VYAS, HON. VICE CHANCELLOR OF NFSU.

THE NATIONAL FORENSIC SCIENCES UNIVERSITY (NFSU), GANDHINAGAR AND TECHCONPRO PVT. LTD., BANGLORE, KARNATAKA SIGNED A MEMORANDUM OF UNDERSTANDING (MOU) FOR ESTABLISHING AN OPEN-SOURCE INTELLIGENCE (OSINT) LABORATORY ON 18TH APRIL, 2022.



LARSEN & TOUBRO LIMITED, SIGNED MOU WITH NATIONAL FORENSIC SCIENCES UNIVERSITY (NFSU), GANDHINAGAR ON 7 JULY'22. MR. VENKATASUBRAMANIAN RAMAKRISHNAN, HEAD-CYBER SECURITY, L&T SWC, SIGNED MOU ON BEHALF OF L&T. BOTH ORGANIZATIONS WILL COLLABORATE IN THE NICHE AREAS OF CYBER SECURITY.

BROADCAST ENGINEERING CONSULTANTS INDIA LTD. (A GOVT. OF INDIA ENTERPRISE UNDER MINISTRY OF INFORMATION AND BROADCASTING) (BECIL) SIGNED MEMORANDUM OF UNDERSTANDING (MOU) WITH NATIONAL FORENSIC SCIENCES UNIVERSITY (NFSU), GANDHINAGAR ON 13TH MAY, 2022 TO PROMOTE RESEARCH, TRAINING AND ACADEMIC ACTIVITIES IN THE SPECIFIC FIELD OF DIGITAL FORENSICS



HIMACHAL PRADESH POLICE SIGNED MEMORANDUM OF UNDERSTANDING (MOU) WITH NATIONAL FORENSIC SCIENCES UNIVERSITY (NFSU), GANDHINAGAR ON 21ST NOVEMBER, 2022 FOR SETTING UP AN INSTITUTIONAL MECHANISM IN DIFFERENT AREAS. THE MOU WAS SIGNED BY MR. SANJAY KUNDU, IPS, DIRECTOR GENERAL OF POLICE (DGP), HIMACHAL PRADESH AND DR. J.M. VYAS, VICE-CHANCELLOR (VC), NFSU.

International MOUs Signed by NFSU



NFSU SIGNED MOU WITH SECURITY DELTA (HSD), ON 19 OCT 2022 IN THE OFFICIAL CEREMONY HOSTED BY MUNICIPALITY OF THE HAGUE. HSD IS A LEADING CYBER SECURITY CLUSTER IN THE EUROPEAN UNION WITH OVER 275 CYBER SECURITY COMPANIES UNDER ITS UMBRELLA.

UNIVERSITY OF CAPE COAST (UCC), GHANA SIGNED MEMORANDUM OF UNDERSTANDING (MOU) WITH THE NATIONAL FORENSIC SCIENCES UNIVERSITY (NFSU), GANDHINAGAR. THE MOU WAS SIGNED BY DR. J.M. VYAS, VICE CHANCELLOR OF NFSU AND PROF. JOHNSON NYARKO BOAMPONG, HON'BLE VICE-CHANCELLOR, UNIVERSITY OF CAPE COAST SIGNED MEMORANDUM OF UNDERSTANDING (MOU) ON 1ST OCT. 2022.



INTERNATIONAL COOPERATION AGREEMENT HAS BEEN SIGNED BETWEEN GOVERNMENT OF NAMIBIA AND NATIONAL FORENSIC SCIENCES UNIVERSITY (NFSU), GANDHINAGAR ON 20TH JULY, 2022 AT HYDRABAD HOUSE, DELHI IN AUGUST PRESENCE OF MRS NETUMBO NANDI-NDAITWAH, HON'BLE DEPUTY PRIME MINISTER OF NAMIBIA AND DR. S. JAISHANKAR, HON'BLE UNION MINISTER FOR EXTERNAL AFFAIRS, GOVT. OF INDIA.

Ministers Visit to NFSU, Gandhinagar

ON THE 1ST DAY OF THE NATIONAL CONFERENCE OF SCHOOL EDUCATION MINISTERS SHRI DHARMENDRA PRADHAN, HON'BLE MINISTER OF EDUCATION AND MINISTER OF SKILL DEVELOPMENT & ENTREPRENEURSHIP, GOVT. OF INDIA ALONG WITH STATE EDUCATION MINISTERS AND DELEGATES VISITED THE NATIONAL FORENSIC SCIENCES UNIVERSITY (NFSU) ON 1ST JUNE 2022.



NATIONAL FORENSIC SCIENCES UNIVERSITY (NFSU) PARTICIPATED IN TWO DAYS' EDUCATION EXPO ON 14TH AND 15TH MAY 2022 AT RAJPATH CLUB, AHMEDABAD. THE EXPO WAS INAUGURATED BY SHRI JITUBHAI VAGHANI, EDUCATION MINISTER, GOVT. OF GUJARAT AND SHRI HARSH SANGHAVI, MOS HOME, GOVT. OF GUJARAT. DURING THE INAUGURATION CEREMONY, DR. J.M. VYAS, HON'BLE VICE-CHANCELLOR, NFSU, AND OTHER DIGNITARIES WERE PRESENT. THE EDUCATION EXPO WAS ORGANIZED BY AHMEDABAD MIRROR AND NAVGUJARAT SAMAY.

NFSU TEAM COMPRISING OF PROF. S.O. JUNARE, CAMPUS DIRECTOR-NFSU DELHI; SHRI C.D. JADEJA, EXECUTIVE REGISTRAR-NFSU & DR. MANJUNATH GHATE, DEAN-SPH, NFSU MADE COURTESY VISIT TO SHRI BASAVARAJ BOMMAI JI AND HON'BLE HOME MINISTER SHRI ARAGA JNANENDRA JI ON 10TH NOVEMBER, 2022 AND DISCUSSED ABOUT PLAN TO ESTABLISH NFSU CAMPUS IN KARNATAKA.



Ministers Visit to NFSU, Gandhinagar



MEMBER OF PARLIAMENT TEJASVI SURYA
VISIT TO NFSU GANDHINAGAR



HON'BLE HOME MINISTER OF KARNATAKA
SHRI ARAGA JNANENDRA
VISITED THE NFSU GANDHINAGAR

Visit of Army, Navy, Air Force Officers to NFSU

THE CHIEF OF THE AIR STAFF (CAS), AIR CHIEF MARSHAL VR CHAUDHARI, PVSM, AVSM, VM, ADC VISITED THE NATIONAL FORENSIC SCIENCES UNIVERSITY (NFSU), GANDHINAGAR ON 10TH AUGUST, 2022. DR. J.M. VYAS, VICE-CHANCELLOR OF NATIONAL FORENSIC SCIENCES UNIVERSITY (NFSU), GANDHINAGAR WELCOMED THE AIR CHIEF AND BRIEFED HIM ABOUT THE VARIOUS ACTIVITIES OF THIS UNIQUE AND HIGHLY SPECIALIZED UNIVERSITY. THE AIR CHIEF WAS ACCOMPANIED BY THE AIR MARSHAL VIKRAM SINGH, AVSM, VSM, AOC-IN-C, SOUTH WESTERN AIR COMMAND; AIR VICE MARSHAL RAJEEV SHARMA, ASST. CHIEF OF AIR STAFF, EDUCATION AND HIS TEAM OF SENIOR OFFICERS.



VICE CHIEF OF NAVAL STAFF (VCNS), VICE ADMIRAL S N GHORMADE, PVSM, AVSM, ADC VISITED THE NATIONAL FORENSIC SCIENCES UNIVERSITY (NFSU), GANDHINAGAR ON 15TH JULY, 2022. HE WAS ACCOMPANIED BY CAPT SANDEEP KUMAR, NA TO VCNS; CMDE VIKRANT HATTANGDY, DIW AND CAPT MANU VIDYARTHI, NAVAL CYBER GROUP.

CORPS OF MILITARY POLICE CENTRE & SCHOOL, BRIGADIER JOSE ABRAHAM, ALONG WITH LT COL. KRUNAL TYAGI VISITED NFSU ON 14 JULY, 2022. THE TEAM VISITED VARIOUS TRAINING FACILITIES AND HELD DISCUSSIONS FOR COLLABORATION IN TRAINING FOR THE MILITARY POLICE STAFF.



Independence Day Celebration on 15th August 2022.



**INDEPENDENCE DAY CELEBRATION HELD ON 15TH AUGUST 2022
AT NFSU, GANDHINAGAR**

Inauguration of Sports Complex on March 2023



**DR. J. M. VYAS, VICE-CHANCELLOR, NFSU INAUGURATED "SPORTS ARENA" AT
NFSU, GANDHINAGAR ON THE OCCASION OF SPORTS WEEK'S FIRST DAY
ON 16TH MARCH, 2023.**

NFSU EVENTS



INAUGURATION OF NFSU BHOPAL CAMPUS ON 22ND AUGUST 2022



HON'BLE UNION HOME MINISTER AMIT SHAH JI ATTENDED AS CHIEF GUEST TO FIRST CONVOCAATION EVENT OF NFSU HELD ON 28TH AUGUST 2022.



PARLIAMENTARY CONSULTATIVE COMMITTEE MEETING, OF THE MINISTRY OF HOME AFFAIRS, GOVT. OF INDIA ON THE SUBJECT "DISASTER MANAGEMENT" AND "FORENSIC SCIENCE CAPACITIES: STRENGTHENING FOR TIMELY AND SCIENTIFIC INVESTIGATION" HELD AT EKTA NAGAR (KEVADIYA), GUJARAT ON 25TH AND 26TH JUNE, 2022 HEADED BY SHRI AMIT SHAH, HON'BLE HOME MINISTER AND MINISTER OF COOPERATION, GOVT. OF INDIA



HON'BLE UNION HOME MINISTER AND MINISTER OF COOPERATION, SHRI AMIT SHAH INAUGURATED MOBILE FORENSIC VANS WHICH ARE DEVELOPED AND MODIFIED IN INDIA BY NFSU TO THE PUBLIC OF DELHI AND ALSO VIRTUALLY INAUGURATED TWO ACADEMIC BLOCKS AT NICFS-NFSU, DELHI CAMPUS ON THE OCCASION OF 76TH DELHI POLICE RAISING DAY ON 16TH FEBRUARY, 2023.



SHRI HARSH SANGHVI, HON'BLE MINISTER OF STATE FOR HOME, GOVT. OF GUJARAT INAUGURATED "FORENSIC HACKATHON" ON 1ST FEB., 2023 AT NFSU, GANDHINAGAR.



7TH INTERPOL DIGITAL FORENSIC EXPERT GROUP MEETING NOVEMBER 2022

NATIONAL FORENSIC SCIENCE UNIVERSITY CAMPUSES

1. Gandhinagar Campus



2. Delhi Campus



3. Goa Campus



NATIONAL FORENSIC SCIENCE UNIVERSITY CAMPUSES

4. Tripura Campus



5. Pune Academy



6. Bhopal Campus



LIST OF MOUs SIGNED BY NFSU

(From April 2022 to March 2023)

International MoU

S.No	MoU signed with	Date
1	Government of Namibia	20-07-2022
2	The Government of Republic of Uganda	28-08-2022
3	WSG University in Bydgoszcz of Poland	02-09-2022
4	Macquarie University, Australia	23-02-2023

National MoU

S.No	MoU signed with	Date
1.	Bharat Shodh Sansthan, Admedabad	06-04-2022
2.	Technopro Private Ltd. Bangalore, Karnataka	18-04-2022
3.	Mahindra Defence Systems Pvt. Ltd. Mumbai	28-04-2022
4.	Vedanta Ltd. Mumbai	02-05-2022
5.	Broadcast Engineering Consultations India Ltd.(BECIL)	13-05-2022
6.	Indian Chapter of Association of Certified Fraud Examiner (ACFE), New Delhi	24-05-2022
7.	CFSL Kamrup, Assam & DFSS	30-05-2022
8.	CFSL Pune & DFSS	30-05-2022
9.	CFSL Bhopal & DFSS	31-05-2022
10.	L&T Smart World	07-07-2022
11.	GMR Aviation Academy, GMR Airports Ltd. New Delhi	12-07-2022
12.	National Security Guard (NSG), New Delhi	27-07-2022
13.	Ministry of Youth Affairs & Sports (MYAS) Food Safety & Standard Authority of India (FSSAI), Government of India, New Delhi	14-10-2022
14.	National Crime Record Bureau(NCRB), New Delhi	21-10-2022
15.	Director General of Income Tax(investigation), DGIT(Inv.), Department of Revenue, Ministry of Finance, Government of India	02-11-2022
16.	The West Bengal National University of Juridical Sciences (WBNUJS) Kolkata, West Bengal.	01-02-2023
17.	Directorate General of Goods and Service Tax Intelligence (DGGI), Department of Revenue, Ministry of Finance, Government of India, New Delhi	07-02-2023
18.	Police Dog Centre India, New Delhi	24-02-2023
19.	Indian Institute of Information Technology Kottayam (IITK) Valavoor, Pala Kerala	24-02-2023

STUDENT DETAILS FOR THE PERIOD 2022-2023

NAME OF THE COURSE	NUMBER OF STUDENTS
B.SC. - M.SC. FORENSIC SCIENCE	177
B.SC. - M.SC. FORENSIC SCIENCE - CENTURION	46
B.A. M.A. CRIMINOLOGY	23
B.B.A. LL.B. (HONS.)	22
B.SC. - M.SC. FORENSIC SCIENCE (5 YEARS INTEGRATED)	205
B.SC. LL.B. (HONS.)	41
B.SC. LL.B. (HONS.) (FIVE YEAR INTEGRATED)	44
B.TECH M.TECH. COMPUTER SCIENCE & ENGINEERING (CYBER SECURITY)	122
B.TECH. - M.TECH. COMPUTER SCIENCE & ENGINEERING (CYBER SECURITY) (FIVE YEAR INTEGRATED)	96
BACHELOR OF LAW (LL.B.)	26
BBA - MBA (FIVE YEAR INTEGRATED)	35
BBA MBA (FA& FI/ FM/ BA&I)	51
BBA-MBA-INTEGRATED	31
LL.M.	44
LL.M. (CRIMINAL LAW AND CRIMINAL JUSTICE ADMINISTRATION)	21
LL.M. (CYBER LAW AND CYBER CRIME INVESTIGATION)	17
M.A. (POLICE & SECURITY STUDIES) (W.E.F. 2021)	7
M.A. CRIMINOLOGY	21
M.A. CRIMINOLOGY WITH SPECIALIZATION IN FORENSIC PSYCHOLOGY	38
M.A. POLICE & SECURITY STUDIES	18
M.PHARM (PHARMACEUTICAL QUALITY ASSURANCE)	8
M.PHARM PHARMACEUTICAL QUALITY ASSURANCE (PCI APPROVED)	10
M.PHARM. FORENSIC PHARMACY	19
M.PHARM. FORENSIC PHARMACY (W.E.F. 2020)	11
M.PHIL IN CLINICAL PSYCHOLOGY	13
M.PHIL. CLINICAL PSYCHOLOGY (RCI APPROVED)	13
M.PHIL. FORENSIC PSYCHOLOGY (W.E.F. 2021)	10
M.SC. FORENSIC BIOTECHNOLOGY	25
M.SC. FORENSIC DENTISTRY	11
M.SC. ENVIRONMENTAL SCIENCE (W.E.F. 2020)	11
M.SC. (HOMELAND SECURITY) (W.E.F. 2021)	32
M.SC. CHEMISTRY (SPECIALIZATION IN FORENSIC ANALYTICAL CHEMISTRY)	15
M.SC. CHEMISTRY (SPECIALIZATION IN FORENSIC ANALYTICAL CHEMISTRY)	13
M.SC. CLINICAL PSYCHOLOGY	67
M.SC. CLINICAL PSYCHOLOGY	59
M.SC. CYBER SECURITY	95
M.SC. CYBER SECURITY	86
M.SC. DIGITAL FORENSICS & INFORMATION SECURITY	84
M.SC. DIGITAL FORENSICS AND INFORMATION SECURITY	84
M.SC. ENVIRONMENTAL SCIENCE (SPECIALIZATION IN ENVIRONMENTAL FORENSICS)	12
M.SC. FOOD TECHNOLOGY	33
M.SC. FOOD TECHNOLOGY (SPECIALIZATION IN FORENSIC FOOD ANALYSIS)	26
M.SC. FORENSIC BIOTECHNOLOGY	20
M.SC. FORENSIC DENTISTRY	12
M.SC. FORENSIC NANOTECHNOLOGY	14

NAME OF THE COURSE	NUMBER OF STUDENTS
M.SC. FORENSIC NANOTECHNOLOGY	16
M.SC. FORENSIC PSYCHOLOGY	50
M.SC. FORENSIC PSYCHOLOGY	36
M.SC. FORENSIC SCIENCE	241
M.SC. FORENSIC SCIENCE - CENTURION	6
M.SC. FORENSIC SCIENCE - FARIDABAD	16
M.SC. FORENSIC SCIENCE - LLOYD	11
M.SC. FORENSIC SCIENCE	219
M.SC. HOMELAND SECURITY	43
M.SC. MULTIMEDIA FORENSICS	15
M.SC. NEUROPSYCHOLOGY	36
M.SC. NEUROPSYCHOLOGY	27
M.SC. PHARMACEUTICAL CHEMISTRY	10
M.SC. PHARMACEUTICAL CHEMISTRY	17
M.SC. TOXICOLOGY	23
M.SC. TOXICOLOGY	23
M.TECH. CIVIL ENGINEERING (FORENSIC STRUCTURAL ENGINEERING) (W.E.F. 2020)	10
M.TECH. CIVIL ENGINEERING (SPECIALIZATION IN FORENSIC STRUCTURAL ENGINEERING)	14
M.TECH. CYBER SECURITY	63
M.TECH. CYBER SECURITY	59
MA CRIMINOLOGY WITH SPECIALIZATION IN FORENSIC PSYCHOLOGY	85
MBA CYBER SECURITY MANAGEMENT	33
MBA FORENSIC ACCOUNTING AND FRAUD INVESTIGATION	43
MBA HOSPITAL AND HEALTHCARE MANAGEMENT	22
MBA IN BUSINESS INTELLIGENCE	30
MBA IN BUSINESS INTELLIGENCE	24
MBA IN CYBER SECURITY MANAGEMENT	29
MBA IN FORENSIC ACCOUNTING AND FRAUD INVESTIGATION	44
MBA IN HOSPITAL AND HEALTHCARE MANAGEMENT	28
MSC FORENSIC NURSING	12
P.G. DIPLOMA CRIME SCENE MANAGEMENT	18
P.G. DIPLOMA CYBER CRIME INVESTIGATION	3
P.G. DIPLOMA CYBER LAW	12
P.G. DIPLOMA CYBER PSYCHOLOGY	2
P.G. DIPLOMA DNA FORENSICS	21
P.G. DIPLOMA DRUGS AND SUBSTANCE ABUSE LAW	3
P.G. DIPLOMA FINGERPRINT SCIENCE	5
P.G. DIPLOMA FORENSIC DOCUMENT EXAMINATION	12
P.G. DIPLOMA FORENSIC JOURNALISM (HYBRID MODE)	15
P.G. DIPLOMA HUMANITARIAN FORENSICS (IN ASSOCIATION WITH ICRC)	3
P.G. DIPLOMA IN FINGERPRINT SCIENCE	5
P.G. DIPLOMA IN FORENSIC JOURNALISM (ONLINE MODE)	13
P.G. DIPLOMA INDUSTRIAL SAFETY HYGIENE AND ENVIRONMENTAL MANAGEMENT	10
P.G. DIPLOMA INVESTIGATIVE PSYCHOLOGY	6
P.G. DIPLOMA SECURITY STUDIES	5
PG DIPLOMA IN CYBER SECURITY	3
PG DIPLOMA IN FINGERPRINT SCIENCE - LLOYD	9
PG DIPLOMA IN FORENSIC BALLISTICS	3
PG DIPLOMA IN FORENSIC DOCUMENT EXAMINATION - LLOYD	53
LL.B. (HONS.)	18
TOTAL STUDENTS	3372

CONVOCATION DETAILS

Name of Gold Medalists Program-Wise

National Forensic Sciences University

List of Gold Medal Passout in Academic Year 2021-22

Sr. No	Faculty	Program	F/M	Name of Awardees	CPI / %	Award Name
1	Faculty Of Nanotechnology	M.Sc. Forensic Nanotechnology	F	CHIPO MUGANU	8.96	Troikaa Pharmaceuticals Gold Medal
2	Faculty Of Nanotechnology	M.Sc. Environmental Science (Specialization in Environmental Forensics)	F	SRUSHTI SHASHAANK SURVE	8.76	SPH Gold Medal Award
3	Faculty Of Nanotechnology	M.Sc. Chemistry (Specialization in Forensic Analytical Chemistry)	F	RIYA KHANDELWAL	8.80	SPH Gold Medal Award
4	Faculty Of Pharmacy	M.Pharm. Forensic Pharmacy	M	PATEL ROHAN NARAYANBHAI	9.20	SPH Gold Medal Award
5	Faculty Of Pharmacy	M.Pharm (Pharmaceutical Quality Assurance)	F	VANPARIYA PRIYANSHI KISHORBHAI	8.98	SPH Gold Medal Award
6	Faculty Of Pharmacy	M.Sc. Food Technology (Specialization in Forensic Food Analysis)	F	SHRADDHA GABEL	8.89	Amul Gold Medal
7	Faculty Of Engineering	M.Tech. Civil Engineering (Forensic Structural Engineering)	M	MEHTA DEVANSHU MANOJKUMAR	8.82	Cube Construction Gold Medal
8	Faculty Of Forensic Science	M.Sc. Forensic Science	M	ROHITH KRISHNA	9.67	SFS Gold Medal Award
9	Faculty Of Forensic Science	M.Sc. Forensic Science	F	SAUMYA SHRIVASTAVA	9.22	Laxmi Memorial Award for Girls
10	Faculty Of Forensic Science	M.Sc. Forensic Odontology	F	THERADIYEL INDUKALA SREENIVASAN	9.18	SFS Gold Medal Award
11	Faculty Of Forensic Science	M.Sc. Forensic Odontology	F	THERADIYEL INDUKALA SREENIVASAN	9.18	SFS Gold Medal Award for Girl Student
12	Faculty Of Forensic Science	M.Sc. Forensic Biotechnology	M	ADITYA NARAYAN SINGH	9.46	SFS Gold Medal Award
13	Faculty Of Forensic Science	M.Sc. Toxicology	F	ASHIKA GOEL	9.79	SFS Gold Medal Award
14	Faculty Of Forensic Science	M.Sc. Toxicology	F	ASHIKA GOEL	9.79	SFS Gold Medal Award for Girl Student
15	Faculty Of Computer Science And Technology	M.Tech. Cyber Security & Incident Response	M	NAMAN SHAH	9.55	SCSDF Gold Medal Award
16	Faculty Of Computer Science And Technology	M.Tech. Cyber Security & Incident Response	F	SHAH YASHVI NIRAGKUMAR	9.39	SCSDF Gold Medal Award for Girl Student

Sr. No	Faculty	Program	F/M	Name of Awardees	CPI / %	Award Name
17	Faculty Of Computer Science And Technology	M.Sc. Digital Forensics and Information Security	F	SONI PRIYANSHI TUSHARKUMAR	8.88	A S Krishnamurthy Award for Topper
18	Faculty Of Computer Science And Technology	M.Sc. Digital Forensics and Information Security	F	SONI PRIYANSHI TUSHARKUMAR	8.88	SCSDF Gold Medal Award for Girl Student
19	Faculty Of Computer Science And Technology	M.Sc. Cyber Security	M	SHAH NAMAN JIGNASU	9.42	SCSDF Gold Medal Award
20	Faculty Of Computer Science And Technology	M.Sc. Cyber Security	F	ANINDITA GHOSH	9.05	SCSDF Gold Medal Award for Girl Student
21	Faculty Of Management	MBA in Forensic Accounting	M	CHINMAY MAHESHBHAI JOSHI	8.96	SMS Gold Medal Award
22	Faculty Of Management	MBA in Forensic Accounting	F	PEHAL VIVEK CHHABRIA	8.86	SMS Gold Medal Award for Girl Student
23	Faculty Of Management	MBA in Homeland Security	F	BHAGWAT HIMALI RAJESH	8.87	SMS Gold Medal Award
24	Faculty Of Management	MBA in Homeland Security	F	BHAGWAT HIMALI RAJESH	8.87	SMS Gold Medal Award for Girl Student
25	Faculty Of Management	MBA in Hospital and Health Care Management	F	HETAKUMARI PILUDARIA	8.82	SMS Gold Medal Award
26	Faculty Of Management	MBA in Hospital and Health Care Management	F	HETAKUMARI PILUDARIA	8.82	SMS Gold Medal Award for Girl Student
27	Faculty Of Management	MBA in Cyber Security Management	M	LOKESH DHAKAD	9.29	SMS Gold Medal Award
28	Faculty Of Behavioural Science	M.Phil. in Clinical Psychology	F	MANYA KRISHNA	75.67	SBS Gold Medal Award
29	Faculty Of Behavioural Science	M. Phil. Forensic Psychology	M	INDRANEEL BHOWAL	8.52	Axxonet Gold Medal Award
30	Faculty Of Behavioural Science	M.Sc. Forensic Psychology	F	PRIYA KAUSHAL	8.68	Axxonet Gold Medal Award
31	Faculty Of Behavioural Science	M.Sc. Neuropsychology	F	BHANSALI SHARVI SHREYANS	9.40	Axxonet Gold Medal Award
32	Faculty Of Behavioural Science	M.Sc. Clinical Psychology	F	SEJAL GROVER	9.12	Axxonet Gold Medal Award
33	Faculty Of Behavioural Science	M.A. Criminology with Specialization in Forensic Psychology	M	RITHIN JOSEPH	8.52	Axxonet Gold Medal Award

Program-wise number of students graduated

List of Passout Students in the Financial Year 2022-23

SUMMARY

Sr. No.	Name of the Degree / Diploma	School	No. of Passout Students
(A) Faculty of Doctoral Studies & Research			
1	Doctor of Philosophy (Ph.D)	Doctoral Studies and Research	13
Total (A)			13
(B) Faculty of Nanotechnology			
2	M.Sc. Forensic Nanotechnology	Engineering & Technology	9
3	M.Sc. Environmental Science (Specialization in Environmental Forensics)	Pharmacy	17
4	M.Sc. Chemistry (Specialization in Forensic Analytical Chemistry)		11
Total (B)			37
(C) Faculty of Pharmacy			
5	M.Pharm. Forensic Pharmacy	Pharmacy	9
6	M.Pharm (Pharmaceutical Quality Assurance)		11
7	M.Sc. Food Technology (Specialization in Forensic Food Analysis)	Engineering & Technology	29
Total (C)			49
(D) Faculty of Engineering			
8	M.Tech. Civil Engineering (Forensic Structural Engineering)	Engineering & Technology	12
Total (D)			12
(E) Faculty of Forensic Science			
9	M.Sc. Forensic Science	Forensic Science	115
10	M.Sc. Forensic Odontology		23
11	M.Sc. Forensic Biotechnology		18
12	M.Sc. Toxicology		23
13	P.G. Diploma in Fingerprint Science		5
Total (E)			184

(F) Faculty of Computer Science & Technology			
14	M.Tech. Cyber Security & Incident Response	Cyber Security and Digital Forensics	61
15	M.Sc. Digital Forensics and Information Security		50
16	M.Sc. Cyber Security		70
Total (F)			181
(G) Faculty of Management			
17	MBA in Forensic Accounting	Management Studies	46
18	MBA in Homeland Security		46
19	MBA in Hospital and Health Care Management		19
20	MBA in Cyber Security Management		24
21	P.G. Diploma in Forensic Journalism (Online Mode)		13
Total (G)			148
(H) Faculty of Behavioural Science			
22	M.Phil. in Clinical Psychology	Behavioural Science	10
23	M.Phil in Forensic Psychology		9
24	M.Sc. Forensic Psychology		43
25	M.Sc. Neuropsychology		25
26	M.Sc. Clinical Psychology		52
27	M.A. Criminology with Specialization in Forensic Psychology		44
Total (H)			183
(I) Faculty of Law			
28	LL.M. (Cyber Law and Cyber Crime Investigation) - Gandhinagar	Law	20
29	LL.M. (Criminal Law and Criminal Justice Administration) - Delhi		16
Total (I)			36
Total Nos. of Passout Students (A to I) - 843			

Placement details of NFSU for the year 2022-23

Sr.	Schools	Placement (%)	Highest Package (Lacs per annum)
1	School of Forensic Science	48	8.2
2	School of Cyber Security & Digital Forensics	90	67
3	School of Management Studies	78	13.6
4	School of Pharmacy	52	4.8
5	School of Behavioural Forensic	40	4.8
6	School of Medico Legal Studies	50	4.8
7	School of Engineering & Technology	52	4.5
8	School of Police Science & Security Studies	60	10

Placement Companies:

School of Doctoral Studies & Research



About The School:

The School of SDSR at National Forensic Sciences University looks after the doctoral research program. The school is headed by Dean and Associate Dean who carries all works related to doctoral program including admission planning, guide ship allotment, monitoring the progress of doctoral research, submission of PhD thesis and awarding the PhD degree. Presently NFSU has 49 research guides who are regular faculty members of NFSU working in its various campuses and 187 PhD students working under these supervisors. SDSR is promoting a vibrant research culture through proper guidance, mentoring and providing all forms of supports. SDSR offers research programmes in various subjects and inter-disciplinary areas of forensic and allied fields, leading to the award of the Degree of Doctor of Philosophy (Ph.D.). NFSU harbours an esteemed research culture with well-established state-of-the-art infrastructure, and offers Ph.D. programme in Forensic Sciences and all relevant fields.

The major objectives of the Ph.D. programme is to:

- 1) Conduct high-impact research to acquire new fundamental knowledge as well as to develop cutting edge technologies for detection and prevention of new age crimes.
- 2) Bridge the gap between industry and academia.
- 3) Inculcate the innovation in indigenous researches for strengthening the forensic capabilities of the nation.
- 4) Generate research minds empowered with entrepreneurship and contribute in nation building.

List of Programs offered:

Sr. No.	Program Name	Campus	Duration
1	PhD	Gandhinagar, Delhi, Goa, Tripura, Bhopal, Dharwad	Minimum 3 years

List of PhD Guides:

S.No	Faculty Name and Designation	Designation	Qualifications	Specialization/ Interest Area
1	Dr. J. M. VYAS	Vice - Chancellor	MSc, LLB, PhD	Forensic Science, Forensic Psychology
2	Prof. (Dr.) S. O. Junare	Campus Director	MBA, PhD	Forensic Accounting and Fraud Investigation, Management
3	Prof. (Dr.) Purvi Pokhariyal	Dean School of Law Forensic Justice & Policy Studies	LLM, PhD	LLM, PhD
4	Prof. Naveen Chaudhary	Dean School of Cyber Security & Digital Forensics	M. Tech, PhD	Cyber Security and Digital Forensics
5	Prof. (Dr.) Manjunath Ghate	Dean School of Forensic Science	M. Pharm., PhD	Pharmaceutical Chemistry
6	Prof. (Dr.) Satish Kumar	Dean School of Forensic Science	M.Sc., PhD	Forensic Biotechnology
7	Prof. (Dr.) Prasenjit Maity	Dean School of Engineering & Technology	Dean School of Engineering & Technology	Forensic Nanotechnology
8	Dr. Haresh Barot	I/C Dean School of Management Studies	MBA, PhD	Forensic Accounting and Fraud Investigation, Management
9	Dr. Parag Rughani	Associate Dean School of Earth, Space and Internet Technologies	M. C. A., PhD	Cyber Security and Digital Forensics
10	Dr. Priyanka Kacker	Associate Dean School of Behavioural Forensics	MSc, PhD	Forensic Psychology
11	Dr. Pooja Ahuja	Associate Dean School of Forensic Science	MSc, PhD	Forensic Psychology
12	Dr. Digvijaysinh Rathod	Associate Dean School of Cyber Security & Digital Forensics	MCA, PhD	Cyber Security and Digital Forensics
13	Dr. Bhoomika Patel	Associate Dean School of Medico-Legal Studies	M. Pharm., PhD	Toxicology
14	Dr. Merool Vakil,	Associate Dean, School of Engineering Technology	M.E, PhD	Forensic Structural Engineering
16	Dr. Smita Pandey	Associate Professor School of Behavioural Forensics	M. Phil., PhD	Clinical Psychology
18	Deepak Rawtani	Associate Professor School of Pharmacy	ME, PhD	Nanobiotech-nology
19	Dr. Nilay Mistry	Associate Professor School of Cyber Security & Digital Forensics	M. Tech., PhD	Cyber Security and Digital Forensics
20	Dr. Proshanto Saha	Associate Professor School of Behavioural Forensics	M.Sc., PhD	Neuropsychology
22	Dr. Jayrajsinh Sarvaiya	Associate Professor School of Engineering & Technology	M. Pharm., PhD	Food technology
23	Dr. Prajesh Prajapati	Assistant Professor	M. Pharm., PhD	Forensic Pharmacy
24	Dr. Jasmin Kubavat	Assistant Professor	M.Pharm., PhD	Forensic Pharmacy
25	Dr. Hemen Dave	Assistant Professor	M.Sc., PhD	Environmental Science
26	Dr. Mahesh Vasava	Assistant Professor	M.Sc., PhD	Chemistry
27	Dr. Bhargav Patel	Assistant Professor School of Forensic Science	M.Sc., PhD	Forensic Biotechnology
28	Dr. Kalgi Shah	Senior Assistant Professor School of Management Studies	MBA, PhD	Forensic Accounting and management

S.No	Faculty Name and Designation	Designation	Qualifications	Specialization/ Interest Area
29	Dr. Malay Shukla	Assistant Professor School of Forensic Science	M. Sc., PhD	Forensic Biotechnology
30	Dr. Parag Shukla	Assistant Professor School of Cyber Security & Digital Forensics	MCA, PhD	Cyber Security and Digital Forensics
31	Dr. Siddharth Dabhade	Assistant Professor School of Management Studies	M.Sc., M. Phil., PhD	Management Studies
32	Dr. Mukti Padhya	Assistant Professor School of Cyber Security & Digital Forensics	M. Tech., PhD	Cyber Security and Digital Forensics
33	Dr. Ujjaval Patel	Assistant Professor School of Cyber Security & Digital Forensics	M.E., PhD	Cyber Security and Digital Forensics
34	Dr. Jay Teraiya	Assistant Professor School of Cyber Security & Digital Forensics	M.E., PhD	Cyber Security and Digital Forensics
35	Dr. Ahlad Kumar	Assistant Professor School of Cyber Security & Digital Forensics	M. Tech., PhD	Cyber Security and Digital Forensics
36	Dr. Vijeta Khare	Assistant Professor School of Cyber Security & Digital Forensics	M. Tech, PhD	Cyber Security and Digital Forensics
37	Dr. Biswajit Dey	Coordinator, Institute Of Forensic Sciences For Training & Skilling	M.Phil., PhD	Clinical Psychology
38	Dr. Harshadkumar Patel	Coordinator NFSU Academy	M.Sc., PhD	Nanotechnology
39	Dr. Lokesh Chouhan	Associate Professor, Department of Cyber Security & Digital Forensics	M. Tech., PhD	Cyber Security and Digital Forensics
40	Dr. Rakesh Yadav	Associate Professor Department of Forensic Sciences	M.Pharm, PhD	Forensic Pharmacy
41	Dr. Raj Jaiswal	Assistant Professor Department of Cyber Security & Digital Forensics	M. E., PhD	Cyber Security and Digital Forensics
42	Dr. Charanarur Panem	Assistant Professor Department of Cyber Security and Digital Forensics	M. Tech., PhD	Cyber Security and Digital Forensics
43	Dr. Rakhi Agarwal	Associate Professor Department of Forensic Sciences	MSc, PhD	Forensic Science, Toxicology
44	Dr. Manu Sharma	Associate Professor Department of Forensic Sciences	M.Pharm, PhD	Forensic Science
45	Dr. Minakshi Sinha	Assistant Professor Department of Forensic Sciences	M.A., PhD	Forensic Psychology
46	Dr. Nandita Chaube	Assistant Professor Department of Forensic Psychology	M.A., PhD	Psychology
47	Dr. Krishna Mishra	Associate Professor Department of Forensic Sciences	MA, PhD	Psychology
48	Dr. Rajesh Yadav	Associate Professor Department of Forensic Sciences	M.Sc. PhD	Forensic Science

School of Forensic Science



About The School:

The School of Forensic Science (SFS) at the NFSU Gandhinagar Campus is dedicated to creating skilled professionals in criminal investigation through exceptional teaching, research, training, and innovation. In response to the evolving nature of crimes and criminal methods, there is a growing need for qualified and proficient forensic experts who can analyze and investigate forensic evidence to support the criminal justice system. SFS Gandhinagar is at the forefront of forensic education and research, offering highly specialized and interdisciplinary postgraduate programs, as well as online courses. With its outstanding curriculum, state-of-the-art facilities, and a diverse faculty of qualified experts, SFS provides an intellectually stimulating and culturally enriching academic environment.

The curricula for programs are developed by esteemed academics, forensic experts, scientists, and industry professionals of national and international reputation to meet the needs of both academia and industries. SFS provides equal opportunities for students to explore its cutting-edge laboratories, advanced instrumentation facilities, and access the latest technologies used in criminal investigations. The research publications and patents produced by SFS students and faculty showcase their active engagement in groundbreaking research in various domains of forensic and allied sciences.

The School of Forensic Science has expanded its global academic reach through collaborations with renowned foreign universities. Students, research scholars, and faculty members regularly enhance their skills through foreign exchange programs and internships. SFS also fosters the creative potential of students and promotes their entrepreneurial skills through the Students Start-Up Innovation Policy (SSIP). In addition to being sought after by national and international organizations, SFS students demonstrate their academic prowess by qualifying in highly competitive national-level examinations. Besides providing consultancy services to society, SFS is deeply involved in providing extensive training to in-service officers from various law enforcement government organizations in India and abroad.

The motto of the university, "Education through Investigation," resonates strongly with the School of Forensic Science, as it strives to enhance investigative capabilities worldwide through its unique academic programs.

2. List of Programs offered:

Sr. No.	Program name	Campus	Duration
1	M.Sc. Forensic Science	Gandhinagar, Delhi, Goa, Tripura , Bhopal	2 years
2	M.Sc. Forensic Biotechnology	Gandhinagar	2 years
3	M.Sc. Multimedia Forensics	Gandhinagar	2 years
4	M.A. Mass Communication & Journalism (Specialization in Forensic Journalism)	Gandhinagar	2 Years
5	B.Sc. - M.Sc. Forensic science	Gandhinagar Delhi Goa Tripura Dharwad	5 years
6	PG Diploma in Fingerprint Science	Gandhinagar Delhi Bhopal Pune	1 year
7	PG Diploma in Forensic Document Examination	Gandhinagar Delhi Bhopal Pune Guwahati Manipur	1 year
8	PG Diploma Crime Scene Photography	Delhi	1 year
9	PG Diploma DNA Forensics	Bhopal Pune Guwahati	1 year
10	PG Diploma Crime Scene Management	Gandhinagar Bhopal Dharwad Pune Manipur	1 year
11	PG Diploma Forensic Journalism (Hybrid Mode)	Gandhinagar	1 year
12	PG Diploma Forensic Ballistics	Guwahati Manipur	1 year

Details of the Faculty members:

S.No	Name	Designation	Qualification	Specialisation
1	Dr. Satish Kumar	Professor and Dean	M.Sc., Ph.D.	Forensic Biotechnology and Biochemistry
2	Dr. Pooja Ahuja	Associate Professor and Associate Dean	M.Sc., Ph.D	Forensic Physics, Forensic Ballistics , Crime Scene Management
3	Dr. Rajesh Babu Govindarajulu	Associate Professor	M.Sc., PhD.	Forensic Science
4	Dr. Astha Pandey	Associate Professor	M.Sc., Ph.D.	Forensic Science
5	Dr. Surbhi Mathur	Associate Professor	M.Sc., Ph.D.	Forensic Science
6	Dr. Bhargav Patel	Sr. Assistant Professor	M.Sc., Ph.D.	Forensic Biotechnology and Microbiology
7	Dr. Malay Shukla	Assistant Professor	M.Sc., Ph. D.	DNA Forensics; Forensic Biology and Biotechnology; Wildlife Forensics; Conservation and Evolutionary Genetics, Population Genetics
8	Dr. Pranav Dave	Assistant Professor	M.A. Ph.D.	Journalism
9	Dr. Akanksha Singh	Assistant Professor	M.Sc. Ph.D.	Forensic Chemistry and Toxicology, Environmental Forensics
10	Dr. Niha Ansari	Assistant Professor	M.Sc. Ph.D.	Forensic nanotechnology, Forensic Physics, Microfluid Devices
11	Dr. Chandra Shekhar Yadav	Assistant Professor	M.Sc. Ph.D.	Forensic Serology and Toxicogenomics
12	Dr. Hiral Sanghavi	Assistant Professor	M.Sc. Ph.D.	Genetics, Protein Biochemistry and Bioinformatics
13	Dr Poonam Gupta	Assistant Professor	M.Sc. Ph.D.	Biotechnology, Microbiology and Environmental Forensics
14	Dr. Rajlakshmi Chetty	Assistant Professor	M.Sc. Ph.D.	Analytical and Physical Chemistry: Nanomaterials, Biotoxicity, Drug delivery and MRI Contrast Agents
15	Ms. Vernika Mehta	Teaching and Research Assistant	M.Sc.Forensic Science; NTA NET (Forensic science),Ph.D Pursuing	Forensic Science, Multimedia Forensics
16	Ms. Kanica Chugh	Teaching and Research Assistant	M.Sc. Forensic Science Ph.D Pursuing	Forensic Science, Questioned Documents and Forensic Photography
17	Ms. Vaishali Abrol	Teaching and Research Assistant	M.Sc. Forensic Science (Fingerprints and Questioned Documents), Ph.D Pursuing	Fingerprints and Questioned Documents
18	Ms. Manika Gupta	Teaching and Research Assistant	M.Sc., Ph.D. Pursuing	Forensic Chemistry
19	Ms. Krishna Modi	Teaching and Research Assistant	M.E. Computer Engineering, Ph. D. Pursuing	Machine Learning, Cyber Forensics
20	Mr. Shikhar Mathur	Teaching and Research Assistant	M.Sc. Ph.D.	Forensic Ballistics and Forensic Physics
21	Mr. Kapil Shukla	Teaching and Research Assistant	MCA, Ph.D Pursuing	Machine Learning, Digital Forensics, Programming

Facilities: Infrastructural developments and Laboratories & Equipments:

1. **Forensic Physical Sciences Laboratory** acquired new instruments namely Cyanoacrylate fuming chamber, Stereo Microscope (2), Forenscope 4K for hand-on training, for the practical and research purpose of the students. Various kits pertaining to the crime scene investigation were procured for the in-field investigation of evidences with respect to their collection and preservation from the crime scene.
2. **Multimedia Forensic Laboratory** is fully equipped with audio, video, and image investigation tools, including Gold-wave, Multispeech, Computerized Speech Lab (CSL), Acustek; Audacity, Amped Five, Amped Authenticate, Facial Comparison Tool, Adobe Photoshop and Clear Id.
3. **The Laboratory of Forensic Chemistry** is well equipped with most of the instruments used for routine and sophisticated analysis of forensic evidences like drugs, poisons, explosives, petroleum products, alcoholic and non-alcoholic beverages etc. The laboratory is well functional with instruments like UV-VIS Spectrophotometer, Fourier Transform Infrared Spectrometer (FTIR), Gas Chromatography [GC], Gas Chromatography-Mass Spectrometry (GC- MS), Ultra performance Liquid Chromatography-Tandem Mass Spectrometry (UPLC- MSMS), HPLC (High Performance Liquid Chromatography), Inductively Coupled Plasma Mass Spectrometry (ICP-MS) and various other small instruments for chemical and toxicological analysis such as Compound Microscope, stereo Microscope, Fluorescence microscope for specimen/samples analysis. The facilities and equipment for performing different extraction techniques such as solvent extraction, solid phase extraction, solid phase micro extraction, accelerated solvent extraction and microwave extraction are up and running.
4. **Laboratory of Forensic Biology and Biotechnology** has a unique amalgamation of teaching and research in modern Bio-forensics. Students are given exposure to state-of-the-art facilities and techniques to hone up the skills required for the highly interdisciplinary domain of forensic science. The lab is equipped with various high-end major and minor equipment like Next Generation Sequencing Unit (Ion Torrent \$5 Plus) with Ion Chef, Rapid HIT, DNA Sequencer (3500), Spectrophotometer, Ultracentrifuge, Real-time PCR, Gel Documentation system, Microplate Reader, 2D-Gel and SDS-PAGE, Nano-spectrophotometer, Class II Biosafety Facility, Compound microscopes and Fluorescence microscope.

Publications:

Research Papers

1. Parshant Dahiya, Satish Kumar, Malay A Shukla, Chandra Shekhar Yadav. Forensic limnology: Diversity of diatom population in relation to environmental factors in Gujarat region, India. *Material Today Proceeding*. (2022) <https://doi.org/10.1016/j.matpr.2022.11.421>.
2. Arjun Kundu, Astha Pandey, MA Thakor. (2022). Skull Replication Using Silicon Impression Material for Forensic Facial Reconstruction Procedure. *Int J Eth Trauma Victimology*, 8(2):12-14.
3. Rahul Verma, Satya Prakash, Shalvi Agrawal & Astha Pandey. (2022). A novel method of development of the latent fingerprints based on the porosity of siliceous rock powder containing feldspar, biotite and albite. *International Journal of Medical Toxicology & Medicine*, 24: 3-4.
4. Rohith Krishna, Ketan Patil, Anirudha Dixit, Jilja Joseph & Astha Pandey. (2022). A Novel Paper-based Microfluidic Device and UV-Visible Spectroscopy Coupled Method for the Field Detection and Analysis of Seized Marijuana Samples. *Applied Research*.
5. Shalvi Agrawal, Jasmeet Singh, Tulsidas R. Baggi & Astha Pandey. (2022). Exploration of Forensic Botany in Solving Questions Related to Authenticity of Herbal Drugs. *Asian Journal of Forensic Sciences*, 1(1):17-28.
6. Anirudha Dixit, Shalvi Agrawal & Astha Pandey. (2022). Plant Wax – A Remarkable Geomarker in Soil Forensics and Trace Evidence Analysis. *Asian Journal of Forensic Sciences*. 1(1): 4-16.
7. Shalvi Agrawal & Astha Pandey. (2022). A Comparative Analysis of Macro & Micronutrient Content in Nutraceutical –*Asparagus racemosus* (Shatavari) by EDXRF & Ion Chromatography *Journal of Ayurveda*, 16: 213-221.
8. Ketan Patil & Astha Pandey (2022). Drug Trafficking: A growing Problem for India. *Asian Journal of Forensic Sciences*, 1(1): 34-41.
9. Ketan Patil & Astha Pandey. (2022). Voltammetric Analysis of New Psychoactive Substances. *Arab Journal of Forensic Sciences & Forensic Medicine*. 3(2); 291-314.
10. Kumar, Saurabh & Das, Eshan & Ahuja, Pooja & Babu, Rajesh. (2022). Ballistic efficiency of Corchorus fiber and aramid reinforced epoxy composite for armor material application. *Materials Today: Proceedings*. 10.1016/j.matpr.2022.01.333.

11. Kale, Mrinmayee Vinayak and Ahuja, Pooja, (2022) Analysis of Variance Shown by Metric Parameters in Comparison and Verification of Handwritten Signature. Available at SSRN: <https://ssrn.com/abstract=4309915>.
12. Kale, Mrinmayee Vinayak and Ahuja, Pooja, (2022) Covariance in dimensions of handwritten signature: a new parameter for signature comparison and verification. *International Journal of Special Education* 37(No.3):15055-15064
13. Mohammed H. M. ALqaisi, Molina Madhulika Ekka & Bhargav C. Patel (2022) Forensic evaluation of mitochondrial DNA heteroplasmy in Gujarat population, India, *Annals of Human Biology*, Accepted, DOI: 10.1080/03014460.2022.2144447
14. S Ankad, Rai B, N, & Mathur.S. (2022, February). Object Size Measurement from CCTV footage using deep learning. *IEEE Xplore*.
15. Debashish Panda, Shantanu Sharma, Subham Mohanty, Alok Kumar, TanujSuryan, Malay Shukla, Puneet Pandey, Hang Lee, Randeep Singh (2023). Dietary preference of striped hyena in the anthropogenic landscape of Rajasthan, India. *Acta Ecologica Sinica*. ISSN 1872-2032, <https://doi.org/10.1016/j.chnaes.2023.03.002>. (Article in Press).
16. Niha Ansari, Anand Lodha, Tallika L Patel, A Novel Microwave Assisted Green Synthesis of Copper Nanoparticles Using Citrus Limon and Its Application for Antibacterial and Antifungal Activity, *International Journal of Nanoscience*.
17. Ansari, N., Lodha, A., & Patel, T. L. (2022). A novel microwave-assisted green synthesis of copper nanoparticles using Citrus limon and its application for antibacterial and antifungal activity. *International Journal of Nanoscience*, 21(03). <https://doi.org/10.1142/s0219581x22500168>
18. Manwani S, Devi P, Singh T, Yadav CS, Awasthi KK, Bhoot N, Awasthi G(2022). Heavy metals in vegetables: a review of status, human health concerns, and management options. *Environmental Science and Pollution Research*. <https://doi.org/10.1007/s11356-022-22210-w> 2022 IF= 5.190
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20. Mushtaq SO, Sharma R, Agrawal A, Sharma A, Kumar S, Awasthi K, Yadav CS, Awasthi A(2022) — Green ZnO nanoparticles derived from *Crocus sativus* corm extract and their bactericidal activity against *E.coli* and *Bacillus subtilis* □ *Material Today Proceedings*. Volume 69, Part 1, 2022, Pages 74-81 <https://doi.org/10.1016/j.matpr.2022.09.613>
21. Kumar, V.; Yadav, C.S.; Banerjee, B.D (2022). Xeno-Estrogenic Pesticides and the Risk of Related Human Cancers. *J. Xenobiot*. Nov 2022, 12, 344–355. <https://doi.org/10.3390/jox12040024>
22. Vaishali, & G, R. B. (2022). Comparative study of bilateral symmetry in dermatoglyphic patterns with reference to geographical parameters. *Indian Journal of Forensic Medicine and Pathology*, 15(3), 175–179. doi:<https://dx.doi.org/10.21088/ijfmp.0974.3383.15322.6s>
23. Chugh, K., & Ahuja, P. (2022). Evaluation of Printed Documents For The Identification Of Printer Type Using Laser Imaging Technique. *FangzhiGaoxiaojichukexueXuebao/Journal For Basic Sciences*, 22(12), 1364–1382. <https://doi.org/10.37896/JBSV22.12/1672>
24. Ketan Patil, Anirudha Dixit & Astha Pandey. (2023). Gas Chromatography: Method Development and Validation for Identification and Quantification of Delta-9-Tetrahydrocannabinol by Calibration Approach. *Asian Journal of Chemistry*, 35(3).
25. Hangane Ronald, Ketan Patil, Astha Pandey. (2023). Case Study of Cannabis Sativa by Various Analytical Techniques. *Research Journal of Pharmacy and Technology*, 16(6).
26. Mathur, S., Choudhary, S. K., & Aneja, P. (2023). Aural -Acoustic Analysis & Gender Identification of Morphed Male and Female Audios. *International Journal of Electronic Security and Digital Forensics*, 15(1), 1. <https://doi.org/10.1504/ijesdf.2023.10049794>
27. Mehta, V., & Mathur, S. (2023). Face recognition challenges due to aging: a review. *International Journal of Electronic Security and Digital Forensics*, 15(2), 184. <https://doi.org/10.1504/ijesdf.2023.129276>

(ii) Book/Book Chapters by faculty members

1. Ahuja, P., & Ansari, N. (2022). Virtopsy: A New Era in Forensic Medico -Legal Autopsies. In (Ed.), *Autopsy - What Do We Learn from Corpses?*. IntechOpen. <https://doi.org/10.5772/intechopen.103781>
2. Ansari, N. (2022). Atomic force microscope in forensic examination. In *Electron Microscopy*. IntechOpen.
3. Ansari, N. (2022). Forensic Applications of Atomic Force Microscope. *Forensic microscopy: Truth under the lenses*. Taylor & Francis.
4. S Manwani, Vanisree C.R., Jiman V, Awasthi KK, Yadav CS, Sankhla MS, Pandit PP. and Awasthi G(2022). Heavy Metal Contamination in Vegetables and Their Toxic Effects on Human Health on Sustainable Crop Production - Recent Advances. DOI: 10.5772/intechopen.102651
5. Vanshree C.R, Singhal M, Saxena M, Sankhla MS, Parihar K, Jadhav EB, Awasthi KK, Yadav CS (2022). Microbes as biocontrol agent: From crop protection till food security In book *Relationship Between Microbes and the Environment for Sustainable Ecosystem Services*, Volume 1; *Microbial Products for Sustainable Ecosystem Services 2022*, Pages 215-237. <https://doi.org/10.1016/B978-0-323-89938-3.00011-6>
6. Mathur, Choudhary, Sharma, & Aneja. (2022). Forensic Applications of Stereomicroscope. In *Forensic Microscopy: Truth Under the Lenses (First Edition)* (First, pp. 156–181). CRC press. <https://doi.org/10.4324/9781003120995>
7. Manika, & Pandey, A. (2023). Bio- Mimetic Devices for Evidence Detection. In D. Rawtani, & C.M. Hussain (Eds.), *Modern Forensic Tools and Devices Trends in Criminal Investigation* (pp. 299– 314). Germany: Wiley-VCH.

Research Projects by Faculty Members:

Faculty Name	Title of the project	Duration	Cost (INR)	Sponsoring Agency	Role
Dr. Satish Kumar Dr. Chandra Shekhar Yadav	A study on epigenetic regulation and therapeutic potential of antioxidant drugs on organochlorine pesticide (OCPs) induced protein aggregation through in vitro model	3 years	Rs. 14.17 Lakhs	NFSU	1. PI 2. Co-PI
Dr. Pooja Ahuja	Assessment and Capacity Building for use of 3D Scanners in Criminal Justice Applications	2 years	Rs. 19 Lakhs	Seed Money Project	PI
Dr. Surbhi Mathur	Critical Analysis of the Effectiveness of CCTV in Law Enforcement (Crime Prevention, Detection, Traffic Management, etc. in seven cities of India viz Surat, Hyderabad, Bengaluru, Chennai, Delhi, Kolkata and Mumbai	18 months	Rs. 11.94 Lakhs	Bureau of Police Research and Development, MHA, GOI	Project Director
Dr. Bhargav Patel	DNA Phenotyping of Indian Populations	3 Years	Rs. 20 Lakhs	Seed Money Scheme, NFSU	PI
Dr. Malay Shukla	Title of the project: Introspecting the Ethnic and Genetic Diversity of Indian Population using YSTR and Y-SNP Analysis: A Genomics and Forensic Perspective	2 Years	Rs. 10 Lakhs	NFSU (Intramural - SEED Money Grant)	PI

Student Startup and Innovation Policy Projects:

Faculty Name	Title of the project	Duration	Cost (INR)	Sponsoring Agency
Dr. Astha Pandey	Colour test kit for precursors of drug	6 Months	Rs. 40,000/-	Government of Gujarat
Dr. Bhargav C Patel and Dr Hiral Sanghvi	Non-Invasive Diagnosis of Genetic Abnormalities Using Maternal Blood	1 Year	Rs. 41,000/-	SSIP 2.0 Cell, NFSU
Dr. Hiral Sanghvi	Non-invasive kit for the identification of semen and vaginal fluids	1 year	Rs. 43,000/-	NFSU, SSIP 2.0 cell
Dr. Poonam Gupta	Preparation of Plant based sustain hydrogel impregnated with nutrient rich microflora to be used as biofertilizers.	1 year	Rs. 38,000/-	NFSU, SSIP 2.0 cell
Mr. Shikhar Mathur	Generation of Standard Digital Database of Deformed Bullets for Comparison	1 year	Rs. 38,000/-	Government of Gujarat

Start-up initiatives by Faculty and Students:

Faculty Name	Title of the project	Duration	Cost (INR)	Sponsoring Agency
Dr. Pooja Ahuja, Dr. Niha Ansari	ELECTRO PRO GSR	2 YEARS	Rs. 7.5 Lakhs	NFSU SSIP

Faculty achievements and recognition:

1. Dr. Surbhi Mathur was awarded the —Best Women Faculty Award□ at the National Forensic Science Criminal Investigation Summit and A+wards 2023. This event was organized by the Department of Forensic and Criminal Investigation, Legal Desire Media and Insights, and the Department of Forensic Science at VGU, Rajasthan, on the 21st and 22nd of January, 2023.
2. Dr. Surbhi Mathur received an appreciation letter from the Joint Commissioner (Crime), Kolkata, for interacting with them on the real-life challenges they faced in dealing with cases related to CCTV footage on 14th June 2022.
3. Dr. Surbhi Mathur received an appreciation letter from Delhi Police for helping them to solve Delhi's 26th January Riot case.
4. Selection as Judge for Best Poster Presentation in Young Science Conclave held at RK University, Rajkot, Gujarat.

Training imparted by the School of Forensic Science

S. No	Brief Details of Training	From	To
1	Training on MATLAB tool for NFSU	10-10-2022	14-10-2022
2	Hands-On training program on "Capillary Sequencing and Fragment Analysis" organized jointly by National Forensic Sciences University (SFS) and Gujarat Biotechnology Research Centre, Gandhinagar under KAUSHALYA Scheme and funded by Gujarat State Biotechnology Mission, DST, Govt. of Gujarat.	14-11-2022	18-11-2022
3	Workshop and competition on Crime Scene Investigation in collaboration with School of Law, Forensic Justice and Policy Studies	22-11-2022	23-11-2022
4	Online workshop on "Multimedia Forensics in Crime Investigation"	28-11-2022	02-12-2022
5	Two days Workshop on "Techniques in Crime Scene Management"	01-12-2022	02-12-2022

*The faculties of SFS have been actively engaged and utilized by the Training Cell, NFSU to impart training to various Law Enforcement agencies (FSL Karnataka, Kenya ITECH, GHANA ITECH, ONGC, SVP-NPA) under various training programs like- SOCO, NFSU Training programs.

Training received by Faculty & Staff members (Offline and Online)

S.No	Name of Faculty/Staff	Brief Details of Training	From (Date)	To (Date)
1	Dr. Surbhi Mathur	Online training on "Using Images to Identify and Convict Criminals and Terrorists"	18-04-2022	22-04-2022
2	Dr. Surbhi Mathur, Ms. Vernika Mehta, Ms. Krishna Modi, Mr. Kapil Shukla, Ms. Kritika Sood	MATLAB hands-on training	10-10-2022	14-10-2022
3	Faculties, SFS	One week capacity building program for inhouse faculties at NFSU	03-01-2023	10-01-2023
4	Ms. Vernika Mehta	Software Acustek Training	20-02-2023	21-02-2023
5	Dr. Niha Ansari, Ms. Kanica Chugh, Ms. Vaishali Abrol	Faculty Development Programme on "Emerging Challenges of Criminal Justice System: Way Forward"	24-02-2023	02-03-2023
6.	Faculties, SFS	31 March, 2023	31-03-2023	31-03-2023

Conferences/Workshops/Seminars/Webinars attended and paper presentation by faculty members:

S.No	Name of Faculty/Staff	Date	Particulars	Specifications
1	Dr. Surbhi Mathur	18 April, 2022 to 22 April, 2022	Training program organized by National Forensic Sciences University in collaboration with Super Recognizers International (NFSU-SRI)	Participant and Resource person
2	Dr. Surbhi Mathur	04-May-22	Webinar Session on "Countering Insurgency and Terrorist Operations in India: Drones" on delivered by Shri. Manoj Abraham, IPS, ADGP and Nodal officer of Kerala Police Cyberdome	Participant
3	Dr. Surbhi Mathur	05-May-22	Delivered a session "Crime Scene Reconstruction and role of Forensic Science in Crime Investigation" during 6 week orientation course conducted by CBI Academy for probationary police officers	Resource Person
4	Ms. Vaishali Abrol	6-7th May 2022	Sponsored Two-Day Theme Meeting on Strategic Planning for Enhancing Research Reactor Utilization, organized by DAE-BRNS	Paper Presentation
5	Dr. Chandra Shekhar Yadav	8-10 June 2022.	Scientific event: "Medicines and health improving products from molecular design to clinical trials" organized by The National Institute for Chemical - Pharmaceutical Research and Development - ICCF Bucharest, Romania	Resource Person
6	Dr. Bhargav Patel	10-Jul-22	One Day Workshop on Rapid DNA Technology for Law Enforcement Organised by NFSU-Thermo Fisher Scientific Center of Excellence in DNA Forensics.	Resource Person
7	Dr. Bhargav Patel	10-Jul-22	Virtual workshop on FORENSIC DNA ANALYSIS.	Resource Person

S.No	Name of Faculty/Staff	Date	Particulars	Specifications
8	Dr. Malay Shukla	25 July to 31 July 2022	ZSI-SERB KARYASHALA 2022 on "Demonstrating SoPs to combat illegal wildlife trade & strengthening wildlife forensic capabilities in India"	Resource Person
9	Dr. Surbhi Mathur	31-Aug-22	Webinar session on "Forensic Audio and Video Examination" delivered by Dr. Ranjeet Singh, CEO, SIFS India Pvt Ltd	Participant
10	Ms.Vernika Mehta	25 to 28 August 2022	International Conference on Forensic Science organized by International Association of Scientists and Researchers(IASR)	Paper Presentation
11	Mr. Kapil Shukla	02-Aug-22	Windows OS Forensics, Coursera,	Participation
12	Mr. Kapil Shukla	03-04 August-2022	Windows Registry Forensics, Coursera	Participation
13	Dr. Surbhi Mathur	27 - 29 September 2022	Training session on "Multimedia and CCTV Forensics" at National Forensic Sciences University (NFSU), Delhi Campus	Resource Person
15	Dr. Bhargav Patel	29 August to 2 September, 2022	29th International Congress of the International Society of Forensic Genetics (ISFG) 2022, Washington DC, USA	Poster Presentation
16	Dr. Surbhi Mathur	08-Nov-22	7th INTERPOL Digital Forensics Expert Group Meeting held at the NFSU campus.	Resource Person
17	Dr. Hiral Sanghavi	9-16 November 2022.	Faculty Development Program (Protein Biology and Proteomics) conducted by IIT Gandhinagar	Participation
18	Dr. Astha Pandey	17-Nov-22	Training programme of DST-STUTI-ICT-National Forensic Sciences University, on "Current Trends in Food and Drug Analysis: Emphasis on Forensic Perspective."	Resource Person
19	Dr. Chandra Shekhar Yadav	25-26 November, 2022	2nd National Conference on Environmental Toxicology: Impact on human health. organized by Vivekananda Global University, Jaipur .	Resource Person
20	Dr. Astha Pandey	25-26 November, 2022.	A virtual national conference FATE-022 (Forensic Advancements & Technological Explorations: Transcending Disciplines) organized by the Department of Forensic Science Lovely Professional University.	Resource Person
21	Dr. Surbhi Mathur	28 November, 2022 to 2 December, 2022.	Days online workshop on "Multimedia Forensics in Crime Investigation"	Participant

S.No	Name of Faculty/Staff	Date	Particulars	Specifications
22	Dr. Surbhi Mathur	16-Dec-22	Lecture on "Voice Identification" to Batch-25 and 26 of Sub-Inspectors (Probationary) from the CBI conducted by NFSU Delhi Campus	Resource Person
23	Dr. Malay Shukla	10-11 December 2022	Capacity building & training of Forest frontline staff and stakeholders in Wildlife Conservation through forensic technique at Goa.	Resource Person
24	Dr. Hiral Sanghavi	7 December 2022.	Second conference on transposable elements in human brain evolution and disease	Paper Presentation
25	Dr. Niha Ansari	13-14 December 2022	1st International Conference on 'Multidisciplinary Approaches in Forensic Science' organized by GD Goenka University Gurugram (INDIA) in collaboration with Sherlock Institute of Forensic Science, New Delhi.	Paper Presentation
26	Dr. Astha Pandey	23-Jan-23	Current Trends in Seized Drug Analysis Agenda - Forensic Education (brightspace.com)	Resource Person
27	Dr. Pooja Ahuja	1 - 2 February 2023	Forensic hackathon, NFSU	Resource person
28	Faculties, SFS	1-4 February, 2023	Forensic Hackathon and 25th All India Forensic Science Conference	Participation
29	Ms. Vernika Mehta	2 Feb 2023.	All India Forensic Science Conference organized by DFS at NFSU.	Poster Presentation
30	Ms. Krishna Modi	03-Feb-23	All India Forensic Science Conference, NFSU	Paper Presentation
31	Dr. Poonam Gupta	03-Feb-23	All India Forensic Science Conference, NFSU	Poster Presentation
32	Dr. Surbhi Mathur	3-4 February, 2023	25th All India Forensic Science Conference	Resource Person
33	Dr. Pooja Ahuja	04-Feb-23	25th All India Forensic Science Conference	Paper and Poster Presentation
34	Dr. Astha Pandey	24 February to 02-03-2023	Faculty Development Programme on: "Emerging Challenges of Criminal Justice System: Way Forward", organized by the School of Security, Law Enforcement & Criminal Justice, Rashtriya Raksha University, Gandhinagar	Resource Person
35	Dr. Bhargav Patel	02-Mar-23	Basic Training Program for SI (Probationers) Organised by CBI Academy, Ghaziabad	Resource Person
36	Dr. Niha Ansari	04-Mar-23	All India Forensic Science Conference, NFSU	Paper Presentation

S.No	Name of Faculty/Staff	Date	Particulars	Specifications
37	Mr. Shikhar Mathur	04-Mar-23	All India Forensic Science Conference, NFSU	Paper/Oral Presentation
38	Ms. Krishna Modi	14 March - 18 March, 2023	STTP on Artificial Intelligence on Cyber Security organized by SCSDf	Participation
39	Dr. Surbhi Mathur	29 March, 2023.	Lecture to ITEC Officials on the topic "White Collar Crimes" on	Resource Person
40	Dr. Surbhi Mathur	29-Mar-23	Lecture session on the topic "Audio Video Forensics" to the officials from Anti-Corruption Bureau	Resource Person

13. Webinars Conducted by the Faculty

Sr. No.	Particulars of the webinars	Number of participants	Details of the faculty member
1	Webinar Session on —Countering Insurgency and Terrorist Operations in India: Drones□ on 4th May, 2022	200	Faculty : Dr. Surbhi Mathur Speakers: Shri. Manoj Abraham, IPS, ADGP and Nodal officer of Kerala Police Cyberdome
2	Webinar session on "—Forensic Audio and Video Examination□ on 31st August, 2022	100	Faculty : Dr. Surbhi Mathur Speaker: Dr. Ranjeet Singh, CEO, SIFS India Pvt Ltd

14. Student Activities and Achievements

Sr. No.	Student name, course name, semester	Particulars of the achievement
1.	Nidhi Kishor Dharmadhikari, M.Sc. Forensic Science semester I	Bronze medalist in senior mixed pair event, in 12th acrobatic gymnastics championships, from 23-28 September 2022, Pavlodar, Kazakhstan
2.	Ms. Denisha Vora M.Sc. Forensic Biotechnology Semester IV	Ms. Denisha Vora is selected for a GSBTM funded crash course '23 in Life science for competitive exams to be conducted by M S University, Baroda.
3.	Ms Shraddha M.Sc. Forensic Biotechnology Semester IV	Got selected for a week long training at GBRC "Research Data and Statistical analysis using R programming as part of KAUSHALYA Scheme organized by GBRC & INFLIBNET " from 17th - 21st April 2023
4.	MrAflahShadil M.Sc. Forensic Biotechnology Semester II	Secured 1st position in the Essay Writing Competition on "Role of Social Media on Youth Development", organized under celebration of G20 Summit 2023: India's Presidency


Sr. No.	Student name, course name, semester	Particulars of the achievement
5.	Ms. KopalVashistha, B.Sc- M.Sc Forensic Science Semester IV	Participated in Webinar on ToTProgramme on disaster risk reduction and climate change by National Institute of Disaster Management, Ministry of Home Affairs in collaboration with Vinayaka Mission Research Foundation, Date: 22-24 August 2022
6.	Ms. Manisha	participated in National Level Research Paper Writing Competition on ' Advanced and emerging technology in Forensic Science and Related Field, organized by Applied Forensic Research Science (AFRS) in online mode , Date: 20 March 2023
7.	Mr. Md Faiyaz, Mr. Dhruvit, Ms. Srishti Priya,	2nd Prize Winner in Quiz Competition of Young Science Concave 2023, organized by RK University Rajkot, Date: 21 January 2023
	Mr. Md Faiyaz, B.Sc- M.Sc Forensic Science semester III	Entered the Finalist round in National Youth Parliament, Organized by Om Sterling Global University, Hisar Haryana on Date: 14-16 July 2022. Md Faiyaz was appreciated with Memento and Finalist certificate.

• **Competitive exams:**

Achievement details	Number of students	Course name
Qualified FACT exam	38	M.Sc. Forensic Science
UGC NET	16	M.Sc. Forensic Science
UGC NET - JRF	01	M.Sc. Forensic Science

Students Visit/Training:

Course and Semester	Visit details
Students of B.Sc.-M Sc Forensic Science (Integrated)- Semester I and III	<p>Students Educational Visit to the "Institute of Seismological Research (ISR), Gandhinagar" on 29th December 2022</p> 
Students of B.Sc- M.Sc Forensic Science III Semester	<p>Visited and attended the Education Expo by Government of Gujarat on 14-15 May 2022 at Mahatma Mandir</p>
Students of B.Sc- M.Sc Forensic Science III Semester	<p>Visited the Nirma University Ahmedabad in June 2022</p>
Students of B.Sc- M.Sc Forensic Science III Semester	<p>Visited the Institute for Plasma Research, Gandhinagar on 12 June 2022</p>
Students of B.Sc- M.Sc Forensic Science Semester III	<p>Participated in the Art-A-Thon for spreading awareness against Drug Abuse in collaboration with High on Life Foundation organized at NFSU ,Date: 24 June 2022</p>
Students of B.Sc- M.Sc Forensic Science I and III	<p>Visited Gujarat Biotechnology University, on 16 September 2022</p>
Students of B.Sc- M.Sc Forensic Science semester III and I	<p>Visited the Institute of Seismological Research, Raysen Gandhinagar, Date: 30 December 2022</p>
Students of MSc. Multimedia, semester II	<p>The Multimedia Forensics Department a arranged a visit to the Command-and-Control Centre (CCC) of Gandhinagar city for the M.Sc. Multimedia Forensics students on 21st Februray, 2023</p> 

Students of M.Sc. Multimedia, semester II	Students of MSc Multimedia visited the Directorate of Forensic Science, Gandhinagar, to understand the process of Forensic examination conducted on digital evidences. 
Students of M.Sc. Forensic Science, Semester I	Visited the Ahmedabad Forensic Science Lab and Institute for Plasma Research
Students of M.Sc. Forensic Science sp. Forensic Physics	Attended Two days training of SEM & TEM Microscopy at Ahmedabad university.

16. Special initiatives by the school

1. Distinguished Expert Lecture Series

School of Forensic Science, NFSU has started a distinguished Expert Lecture Series, where experts from industry, academic, law, information agencies, research scholars or any other domain are invited to share their knowledge and experience. Under this series, various expert talks were delivered as following:

- Dr. Sandip Shah has delivered an Expert Talk on "Current Trends in Genomics" to the students of NFSU on 14.09.2022 at NFSU under the Distinguished Expert Lecture Series, School of Forensic Science. Dr. Sandip Shah is an Eminent Pathologist and Director of NeubergSupratech Reference Laboratories. He motivated students and gave insights of the present and the future of genomics in medical diagnostics and forensic science.
- Dr. Harsh Sharma had delivered a talk on "Crime Scene Investigation" and Dr. Ikramul Haque had delivered a talk on "DNA Forensics" on 03.10.2022.
- Dr. H. K. Pratihari, Director, Tripura Campus, NFSU had delivered a talk on "Drug Trafficking in India" on 04.10.2022
- Dr. Mark Perlin, Chief Scientific Officer, Cybergenetics, Pittsburgh, Pennsylvania, United States had delivered a talk on "The Science and Law of Automated DNA evidence interpretation" on 09/02/2023 (Thursday).

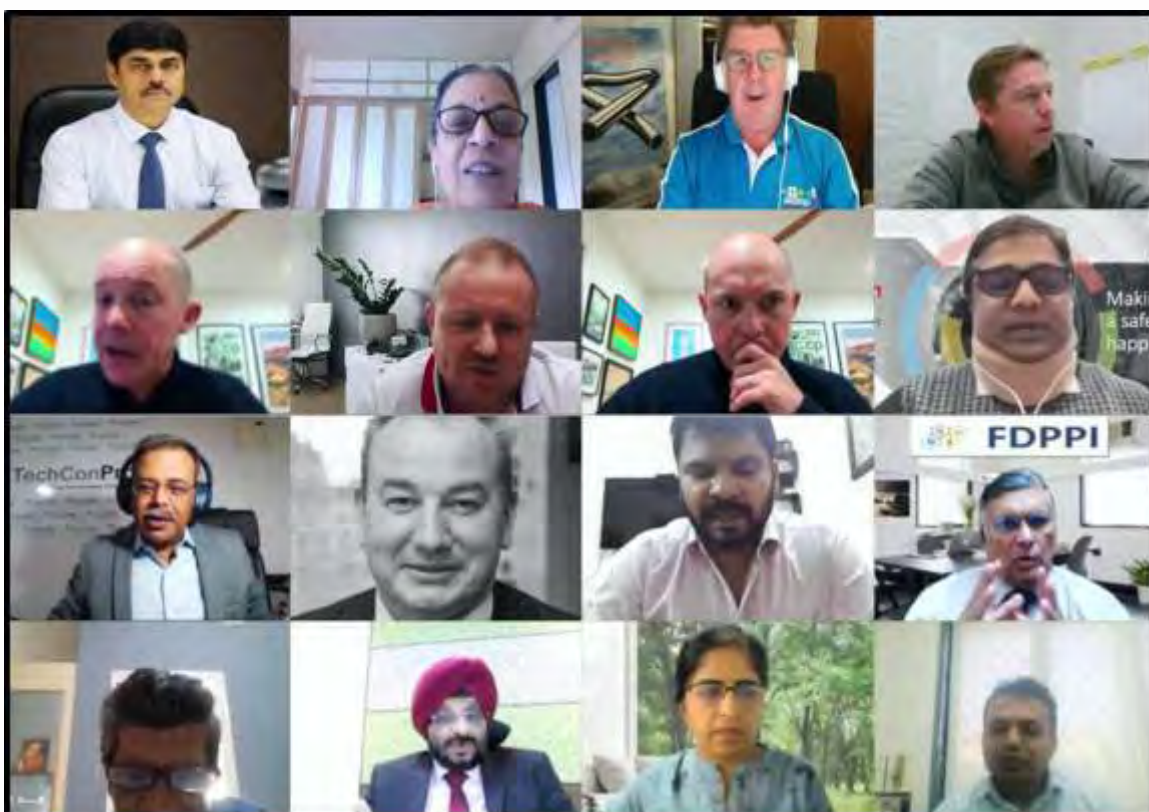
2. 5-Day Workshop on "Multimedia Forensics in Crime Investigation"

A 5-day online workshop on "Multimedia Forensics in Crime Investigation" was conducted in collaboration with Techconpro Pvt. Ltd and other industry leaders from 28th November,

2022 to 2nd December, 2022. The workshop included lectures and practical demonstrations from field experts on audio, video and CCTV investigations and using them for crime detection and prevention. The online workshop was attended by around 300 participants across the globe with about 20 national and international speakers sharing their experience in the field of security and surveillance and about the technologies for combating crime.

3. Online training on Using Images to Identify & Convict Criminals & Terrorists

- a. Multimedia Department, School of Forensic Science, National Forensic Sciences University (NFSU), Gandhinagar, India, hosted 05 days Online training on "Using Images to Identify & Convict Criminals & Terrorists" from 18th April 2022 to 22nd April 2022 in collaboration with Super Recognisers International UK. The training program covered a broad range of topics, including the latest trends in CCTV technology, video analysis, image enhancement, and video authentication and was attended by various Indian law enforcement officers.
- b. An expert talk by Mr. Sandeep Shukla was organized on "Role of Forensic Science in Insurance Claims Management" on 22nd September, 2022.
- c. Two-day workshop was organized on "Advanced Techniques in Crime Scene Management", 01st – 02nd December 2022 by School of Forensic Science, National Forensic Sciences University, Gandhinagar.



17. Visit by VIPs/ Delegations/ Guests etc.

- a) A 34-member team from National Defense College, Delhi visited various departments and laboratories of SFS on 14th March, 2023.



- b) Officials from Anti-Corruption Bureau on 29th March, 2023 visited Multimedia Laboratory at SFS, NFSU and got demonstration of various equipments used for audio video investigation.







School of Medico Legal Studies

About the School

This School is mandated to render the academic excellence in the areas of medical, legal, social, psychological, cultural instincts. The courses those are offered are the society needs and that of the countries. The prospective students would be able to excel with the comprehensive expertise which are required in the respective areas and are ready for the assignments immediately after the graduate.

List of Programs offered:

Sr. No.	Program Name	Campus	Duration
1	M.Sc. Forensic Dentistry	Gandhinagar	2 Years
2	M.Sc. Forensic Nursing	Gandhinagar	2 Years
3	M.Sc. Toxicology	Gandhinagar	2 Years
4	PG Diploma Humanitarian Forensic (In Asso. With ICRC)	Gandhinagar	1 Years
5	PG Diploma Disaster victim Identification	Gandhinagar	1 Years

Details of Faculty Members :

S.No	Faculty name and designation	Desigantion	Qualifications	Specialisation/ Interest Area
1	Dr. G Rajesh Babu	Dean	Diploma, BSc, MSc, PhD.	Forensic Science
2	Dr. Bhoomika Patel	Associate Professor	B. Pharm., M. Pharm. (Pharmacology), Ph.D., DPMM, DPQCQAM	Pharmacology & Toxicology
3	Dr. Abraham Johnsan	Associate Professor	BDS, LLB, M.Sc(Forensic Odontology), PhD	Dentistry
4	Dr. Dhvani Patel	Assistant Professor	BDS, LLB, M.Sc (Forensic Odontology)	Dentistry
5	Dr. Hardi Mendpara	Assistant Professor	BDS, LLB, M.Sc (Forensic Odontology)	Dentistry
6	Dr. Neelkant Verma	Assistant Professor	B.Sc. (Forensic Science), M.Sc. (Forensic Science), Ph.D.	Forensic Science
7	Ms. Shital Saidane	Assistant Professor	M.Sc. Nursing (Medical Surgical Nursing , Cardiothoracic Nursing)	Nursing
8	Mrs. Sujata Parikh	Assistant Professor	M.Sc. Nursing (Psychiatry)	Nursing

Facilities (Infrastructural development):

Sr. No	Name of The Equipment	Purchase order No.	Date of Installation	Particulars of Supplier	Cost of The Instrument In INR	Make	Model
1	Eye Peicless Stereo Zoom Microscope	GEMC/5116877 43747463	13-5-2022	Times Infosystem Pvt Ltd	2179000	Vision engineering	LYNX EVO
2	Upright Compound Microscope	GEMC-5116877291822 84	4-11-2022	Kav engineering and marketing private limited	7,04,628	Nikon	Ecplise SI 080471
3	Upright Compound Microscope	GEMC-5116877291822 84	4-11-2022	Kav engineering and marketing private limited	7,04,628	Nikon	Ecplise SI 080461
4	Upright Compound Microscope	GEMC-5116877291822 84	4-11-2022	Kav engineering and marketing private limited	7,04,628	Nikon	Ecplise SI 080465
5	Nitrogen Evaporator	GEMC/5116877 98646275	21-10-2022	M/s lablink, thane	520000	Lablink	N-Evap.1 11/558 5

Publications:

Research Papers:

1. Jayasankar P. Pillai, Girish Parmar, Rajesh Babu & J.M. Vyas. (2023) vol.36 No.1. (2023) Variability in the dental non-metric traits in maxillary central incisors among the geographically distinct populations in Gujarat, India: a cross-sectional study using the Turner-Scott dental anthropology system <https://doi.org/10.26575/daj.v36ihttps://journal.dentalanthropology.org/index.php/jda/article/view/337>
2. Vaishali Abrol and Rajesh babu govindrajulu. (2022) Comparative Study of Bilateral Symmetry in Dermatoglyphic Patterns with reference to Geographical Parameters. https://www.researchgate.net/publication/366290193_Comparative_Study_of_Bilateral_Symmetry_in_Dermatoglyphic_Patterns_with_reference_to_Geographical_Parameters
3. R. Praveen, S.R. Koteswara Rao, Saurabh Kumar And Rajesh Babu. (2022), Numerical Evaluation Of Ballistic Limit Velocity And Experimental Ballistic Response Of 25 Mm Thick Aluminium 7075 Alloy Targets
4. Chavda, V. P., Jogi, G., Dave, S., Patel, B. M., Vineela Nalla, L., & Koradia, K. (2023). mRNA -Based Vaccine for COVID-19: They Are New but Not Unknown!. *Vaccines*, 11(3), 507. <https://doi.org/10.3390/vaccines11030507> [Impact Factor 4.961]
5. Joshi, M., & Patel, B. M. (2023). Unveiling the Role of the Proton Gateway, Uncoupling Proteins (UCPs), in Cancer Cachexia. *Cancers*, 15(5), 1407. <https://doi.org/10.3390/cancers15051407> [Impact Factor 6.886]
6. Mehta, A., & Patel, B. M. (2023). Long-acting opioids and cardiovascular diseases: Help or hindrance!. *Vascular pharmacology*, 149, 107144. <https://doi.org/10.1016/j.vph.2023.107144> [Impact Factor 5.738]
7. Nilendu, D., & Johnson, A. (2023). Role of soft-tissue thickness on the reproducibility in forensic facial approximation: A comparative case study. *Forensic Science International: Reports*, 7, 100293. <https://doi.org/10.1016/j.fsir.2022.100293>
8. Gupta, N. S., Johnson, A., & Gupta, S. (2022). Forensic Odontology - a technology driven approach in human identification. *Journal of Forensic Medicine and Toxicology*, 39(1), 125–128. <https://doi.org/10.5958/0974-4568.2022.00023.0> https://doi.org/10.1007/s00414_022_02830-0
9. Anuja, P., Doggalli, N., Patil, K., Johnson, A., Manjunatha, B. S., & Rudraswamy, S. (2023). —Age estimation and sex determination using antegonial angle—a retrospective study. *Forensic Imaging*, 32, 200537. <https://doi.org/10.1016/j.fri.2023.200537>
10. Roy, J., Jayaraman, J., & Johnson, A. (2022). Reliability of aspartic acid racemization rate for chronological age estimation—a systematic review and meta-analysis. *International Journal of Legal Medicine*, 136(5), 1457–1467.

Books:

1. Ramesh K Goyal, Mayur M. Patel, Bhoomika M. Patel, Madhu Gupta. A text-book of Pharmacy Practice, B. S. Shah Prakashan (ISBN No.: 978-93-94444-01-0) 2022-23.
2. Matariya R, Patel J, Shah D, Patel D, et al (2023) Comparison of Bone Graft versus Bone Graft with PRF in Immediate Implant Placement *NeuroQuantology* Volume (20) doi: 10.14704/nq.2022.20.6.NQ22850
3. Ajit K. Thakur, Mit Joshi, Ramesh K. Goyal, Bhoomika M. Patel. Emerging Role of ACE -2 in Cerebrovascular and Neurological Disorders: Lessons Learnt from COVID-19. In: *The Renin Angiotensin System in Cardiovascular Disease. Advances in Biochemistry in Health and Disease*, vol 24 Eds. Dhalla, N.S., Bhullar, S.K., Shah, A.K. Springer Nature Switzerland, January 2023: pp 431-447 (ISBN 978-3-031-14951-1 (Print) 978-3-031-14952-8 (Online))
4. Vivek Bora, Bhoomika M. Patel. Role of Renin-Angiotensin System in Cancer Cachexia. In: *The Renin Angiotensin System in Cancer, Lung, Liver and Infectious Diseases. Advances in Biochemistry in Health and Disease*, Eds: Bhullar, S.K., Tappia, P.S., Dhalla, N.S. Springer Nature Switzerland. March 2023, vol 25: 365–377 [ISBN 978-3-031-23620-4 (Print) 978-3-031-23621-1 (Online)]
5. Chawal A, Patel D, Kumar S (2023) Biodiversity of Diatoms in narmada River Book Name: Cutting Edge Research in Biology Manuscript: 2023/BP/4786C

Research projects:

Name of faculty	Title of project	Duration	Cost (INR)	Sponsoring Agency	Role (PI/ CO-PI/ other)
Dr. Bhoomika Patel	Evaluating oral cancer lesions using quantitative ultrasound and elasticity imaging	2021-24	26,80,080/-	Gujarat State Biotechnology Mission (GSBTM)	Co-PI

Faculty Achievements and recognition:

Name of faculty	Achievement / Recognition
Dr. Bhoomika M. Patel	Received the —APTI Young Pharmacy Teacher of the Year Award 2021 conferred by of Association of Pharmaceutical Teachers Of India (APTI) during silver Jubilee 25th Annual National Convention of Association of Pharmaceutical Teachers Of India (APTICON-2022) held at JSS College of Pharmacy, Mysore from 2nd to 4th September, 2022.
Dr. Abraham Johnson	Received the "Young Researcher Award" at National Forensic Science & Criminal Investigation Summit held on 21st January 2023 at the Vivekananda Global University, Jaipur.

Training imparted by the School:

Brief Details of Training	From	To
Virtual Autopsy Training Program at NFSU India's first training program on "Virtual Autopsy" was organized by School of Medico-Legal Studies in collaboration with Virtual Autopsy, India-UK and accredited by Academy of Forensic Medical Sciences (AFMS) London-UK from 16th to 20th January 2023 at NFSU Gujarat Campus. Mr. Peter Cook, British Deputy High Commissioner to Gujarat & Rajasthan was the Chief Guest of the Inauguration Ceremony; Dr. J.M. Vyas, Vice Chancellor of NFSU, Mr. Ash Govind, CEO, Virtual Autopsy, U.K., and Dr. Kalpesh Shah, Dean, BJ Medical College, Ahmedabad, were also present in the inauguration ceremony. The training programme consisted of lectures from International and National Experts, Interactive Case-Discussions and Hands-on Workshops. Dr. Yanko Kolev Head – FMT Dept. and Consultant in Medical Imaging, Gabrovo, Bulgaria, Dr. Fabrice Dedouit, Forensic Radiologist, Rangueil Larrey Toulouse Hospital, France and Dr. Hemanth Naik, from UK were the International Experts. Large number of medical and forensic practitioners participated from India and abroad.	16-01-2023	20-01-2023

Training received by Faculty and Staff members :

Name of faculty/ Staff	Brief Details of Training	From	To
Dr. Hardi Mendpara	One week capacity building programme on "Academic best practices"	03-01-2023	10-01-2023
Dr. Hardi Mendpara	One week Faculty development program organized by Rashtriya Raksha University	24-02-2023	02-03-2023
Dr. Abraham Johnson	Advanced Virtual Autopsy Training organized by Virtual Autopsy - UK and Academy of Forensic Medical Sciences - UK	27-03-2023	31-03-2023

Conferences/ Workshops/ Seminars/ Webinars attended and paper presentation by faculty members

Name of faculty/ Staff	Date	Particulars	Specification
Dr. Abraham Johnson	7th September 2022	Invited Talk on "Forensic Medicine – Medico-legal Investigations" to Batch of Sub-Inspectors (Probationers) of Central Bureau of Investigation (CBI) organized by CBI Academy, Ghaziabad.	Resource Person
Dr. Abraham Johnson	10th September 2022	Pre-conference Workshop on "3D Forensics" at the 19th National Conference of Indian Association of Forensic Odontology organized by G.Pulla Reddy Dental College and Hospital, Kurnool, Andhra Pradesh	Resource Person
Dr. Abraham Johnson	15th - 16th September 2022	"FORENSIC UPDATE V" organized by the Department of Forensic Medicine and Toxicology and Department of Dentistry, All India Institute of Medical Sciences (AIIMS), Bhopal	Resource Person
Dr. Hardi Mendpara	23rd September, 2022	"Invited talk on Importance of Forensic Dentistry in Legal-Justice System" organized by Gov. Dental College and Hospital, Jamnagar	Resource Person
Dr. Abraham Johnson	6th October, 2022	One-day Workshop on Respect for Human Dignity and Ethical Management organized by the Centre for Ethics, Yenepoya University, Mangalore	Participant
Dr. Abraham Johnson	13th and 14th October 2022	International Symposium on Virtual Autopsy and 3D Forensics	Resource Person
Dr. Bhoomika Patel	4th to 6th November, 2022	Delivered a guest lecture at 2nd International Conference on Natural Products and Human Health – 2022 (ICNPHH - 2022) organized by Deshbandhu College, University of Delhi, New Delhi, India	Resource Person
Dr. Abraham Johnson	3rd December 2022	Digital Dentistry Congress 2022 organized by Rishiraj Dental College, Bhopal	Resource Person
Dr. Abraham Johnson	13th December 2022	CDE Program on Digital Forensic Dentistry organized by Dept. of Oral and Maxillofacial Pathology, College of Dental Sciences and Research Centre, Ahmedabad	Resource Person
Dr. Bhoomika Patel	27th December, 2022	Invited talk on "Oratory Skills" during orientation programme at Institute of Pharmacy, Nirma University	Resource Person
Dr. Abraham Johnson	29th December, 2022	5th World Dental Sciences & Oral Health Conference organized by Cynodont in collaboration with Goenka Research Institute of Dental Science, Gandhinagar at held AMA, Ahmedabad	Resource Person
Dr. Abraham Johnson	21st January, 2023	National Forensic Science & Criminal Investigation Summit organized by Vivekananda Global University, Jaipur.	Resource Person
Dr. Abraham Johnson	2nd - 4th February, 2023	25th All India Forensic Science Conference 2023 organized by National Forensic Sciences University under Ministry of Home Affairs (MHA), Govt. of India in association with DFSS, MHA, Govt. of India.	Scientific Chairperson
Dr. Abraham Johnson	11th March, 2023	Symposium and workshop on 3D Forensics organized by Centre for Forensic Odontology, Yenepoya Dental College and Yenepoya Technology Incubator, Mangalore	Resource Person

Students Activities and Achievements:

Sr. No.	Student Name, Course Name, Semester	Particulars of the Achievement
1	M.Sc. Forensic Dentistry [Sem - III] & M.Sc. Forensic Nursing [Sem - I]	3- Day Dental/ Health Check up camp was organized at Shri J M Chaudhari Sarvajanik PrathmikVidhyalaya, Gujarati medium campus, Gandhinagar
2	M.Sc. Forensic Dentistry [Sem - III] & M.Sc. Forensic Nursing [Sem - I]	4- Day Dental/ Health Check up camp was organized at Shri J M Chaudhari Sarvajanik Prathmik Vidhyalaya, English medium campus, Gandhinagar
3	M.Sc. Forensic Dentistry [Sem - III] , M.Sc. Toxicology [Sem - II] & PG Diploma in Humanitarian Forensics [Sem - I]	One Day visit to the Mortuary, Department of Forensic Medicine at B.J Medical College, Ahmedabad.
4	M.Sc. Forensic Dentistry [Sem - III] , M.Sc. Toxicology [Sem - II] & PG Diploma in Humanitarian Forensics [Sem - II]	One Day visit to the Mortuary, Department of Forensic Medicine at B.J Medical College,
5	M.Sc. Forensic Dentistry [Sem - III] & Diploma in Humanitarian Forensics [Sem - II]	Visit to the District and Sessions Court, Gandhinagar- 24th April 2023.
6	.Sc. Forensic Dentistry [Sem - I & III] , M.Sc. Toxicology [Sem - II] & PG Diploma in Humanitarian Forensics [Sem - II]	Visit to National Disaster Response Force (NDRF)- 25th April 2023.

Special initiatives by the schools:

Name of faculty	Extension Activities
Dr. Rajesh Babu	3- Day Dental/ Health Check up camp was organized at Shri J M Chaudhari Sarvajanik PrathmikVidhyalaya, Gujarati Medium Campus, Gandhinagar
Dr. Rajesh Babu	4- Day Dental/ Health Check up camp was organized at Shri J M Chaudhari Sarvajanik PrathmikVidhyalaya, English Medium Campus, Gandhinagar

Sr. No.	Name of the Faculty member	Date	Particular (Theme/Name of the Organization/Agency organized)
1	Dr. Rajesh Babu Dr. Abraham Johnson	13.10.2022 to 14.10.2022	2-day International Symposium on Virtual Autopsy and 3D Forensics was organized by School of Medico-Legal Studies, National Forensic Sciences University (NFSU) in collaboration with Virtual autopsy India on 13th -14th October, 2022.
2	Dr. Rajesh Babu Dr. Hardi Patel Dr..Dhwani Patel	13-12-2022 to 16-12-2022	One-week Forensic Odontology conclave in collaboration with GDCH, Ahmedabad
3	Dr. Rajesh Babu Dr. Abraham Johnson	23.12.2022	Expert Talk by Prof. (Dr.) Prabhakaran Nambiar, Mahsa University, Malaysia on "Forensic Odontology" NFSU faculty members, research scholars and students enthusiastically participated and shared their view points on research topics of forensic odontology.

Visit by VIPs/Delegations/Guests etc:

Dr. Derek Congram – Forensic Specialist, ICRC visited the NFSU and interacted and gave a scientific talk on Humanitarian Forensics to the students of M.Sc. Forensic Dentistry.

Ms. Patricia Escolano Guiote, Deputy Regional Director for Asia and the Pacific from ICRC HQ, Geneva visited the National Forensic Sciences University (NFSU), Gandhinagar on 1st September, 2022. Dr. J.M. Vyas, Vice-Chancellor of National Forensic Sciences University (NFSU), Gandhinagar welcomed and briefed him about the various activities of this unique and highly specialized University.



Dr. Derek and Dr. Patricia interacting with Dr. J. M. Vyas

Mr. Peter Cook – Dy. British High Commissioner inaugurated the first ever Virtual Autopsy Training Program in January and interacted with trainees.





- Dr. Pierre Guyomarch – Head (Forensic Unit), ICRC – Geneva visited the NFSU and interacted and gave a scientific talk on Humanitarian Forensics to the students.
- Following VIPs served as resource person at the International Summit on Humanitarian Forensics from 29th November, 2022 to 1st December 2022:
 - Justice A.P.Sahi , Director, NJA, Bhopal
 - Justice R. K. Tripathy, Gujarat State Human Rights Commission (SHRC)
 - Mr. Manish Das, Deputy Head of ICRC Regional Delegation for India, Nepal, Bhutan, and the Maldives
- Following VIPs served as resource person at the International Symposium on Virtual Autopsy and 3D Forensics held on 13th and 14th October 2022:
 - Ms. Neerja Gothru IPS, DGP, Civil Defence and Home guards, Gujarat
 - Prof. (Dr.) Sanjay Gupta, Prof. and Head, AIIMS Rajkot
 - Dr Shishir Naik, Professor - Anatomy, Anna Medical College, Mauritius
 - Prof. (Dr.) Yogender Bansal, Prof. and Head – FMTPGI, Chandigarh
 - Dr. Yanko Kolev, Head – FMT Dept. and Consultant in Medical Imaging, Gabrovo, Bulgaria
 - Dr Fabrice Dedouit, Forensic Radiologist Rangueil-Larrey Toulouse Hospital, France
 - Ms. Noreen Charlton, Founder, Case Files Crime Scene USA
 - Dr. C.V. Sharada, Assistant Professor, IIT Gandhinagar
 - Dr. Suresh Ludhwani, Director – IDDS, Gujarat

School of Cyber Security & Digital Forensics

About The School:

The Digital Technology evolution has enhanced the efficiency of the people, process and technology. With the acceptance of digital technology among the masses, Cyberspace has grown in reach and magnitude. The expansion of digital space has also made Cyberspace vulnerable to Cyber-attacks. The availability of higher bandwidth and processing capabilities have revolutionized the entire Information Communication Technology (ICT) sector, however it has also posed serious Cyber security challenges due to the lack of security standards and gaps in design architecture. The threat landscape has turned complex and Cyberspace has emerged as the fifth realm of warfare. The Cyber security breaches in the modern era have serious security and financial implications. The healthy Cyber-ecosystem demands safeguards with appropriate security controls, right skill set and technical acumen to investigate the Cyber breaches for attack attribution with forensic approach.

With the diverse technologies coming to the force and opportunities offered by the emerging technologies like Artificial Intelligence, Machine Learning, Distributed Ledger Technologies, Internet of Things etc., a higher skill set and trained human resource is the need of the hour in the highly specialized domain of Cyber-forensics.

National Forensic Sciences University is among the first few educational Institutions in India that realized this crucial requirement well in advance and established School of Cyber Security and Digital Forensics that conducts a full-fledged Undergraduate and Masters Programs in Cyber Security and Digital Forensics with an aim to full-fill the acute shortage of Cyber Forensic experts at national as well as global level. The School has the best training infrastructure at par with global standards. The Cyber Defence Centre (CDC) at Gandhinagar is the first-ever ISO/IEC 27001 Certified Laboratory in India where cutting-edge Cyber-Forensic tools are integrated on a single platform to impart quality teaching to students and offer research, development and innovation opportunities of a very high order. The state-of-the-art Cyber-Forensic Labs in the School are established with a vision to expose students to all the postures of Cyber-security in a simulated Lab environment and train future Cyber-security leaders who can contribute effectively towards the Cyber security capacity building of the nation. The School aspires to offer a practical-driven quality education in Cyber Security and Digital Forensics based on sound theoretical principles while creating a conducive ambience and atmosphere for intellectual stimulation, thereby developing the overall personality of the students, instilling high level of discipline, making students technologically superior and ethically strong.

List of Programs offered:

Sr. No.	Program Name	Campus	Duration
1.	M.Sc. Cyber Security	Gandhinagar / Goa	2 Years
2.	M. Sc Digital Forensics and Information Security	Gandhinagar Delhi / Goa	2 years
3.	M. Tech. Cyber Security	Gandhinagar	2 Years
4.	M.Tech. Artificial Intelligence and Data Science (Specialization in Cyber Security)	Goa	2 Years
5.	B Tech - M Tech Computer Science and Engineering (Cyber Security)	Gandhinagar Delhi / Tripura Dharwad	5 Years
6.	PG Diploma in Cyber Crime Investigation	Gandhinagar Manipur	1 Year
7.	PG Diploma Cyber Physical System	Gandhinagar	1 Year
8.	PG Diploma Semiconductor Security and Forensic Investigation	Gandhinagar	1 Year

List of Faculty Members:

S. No	Faculty Name	Desigantion	Qualifications	Specialization/Interest Area
1	Dr.Naveen Kumar Chaudhary	Professor & Dean	B. Tech, ME, MBA, Ph. D. (Engineering)	Cyber Security, Digital Forensics, Drone Forensics, Next Generation Networks and Advanced Cyber Range
2	Dr. Digvijaysinh Rathod	Associate Professor & Associate Dean	Ph. D.	Mobile / Web Security, OT Security, Darkweb / Deep web and Blockchain
3	Dr. Parag Rughani	Associate Professor	MCA, Ph. D.	Memory Forensics, Malware Analysis, Robotics, Artificial Intelligence
4	Dr. Nilay Mistry	Associate Professor	Ph. D.	Digital Forensics
5	Mr. Dharmesh D. Dave	Assistant Professor	M.Tech.	Malware Analysis, Android Malware Detection, Cyber Security Compliance and & Audit, ICS Security, Incident Response

S. No	Faculty Name	Designation	Qualifications	Specialization/Interest Area
6	Mr. Sarang Rajvansh	Assistant Professor	M.Tech , B.E.	Mobile Forensics, Computer Forensics, Drone Forensics, Python & Scripting, Chip-off, J-TAG
7	Mr.Prakash Khasor	Assistant Professor	M.Sc. DFIS	Web Application Security, Mobile Application Security, IoT Security and Blockchain Security, Dark Web and Deep web.
8	Mr. Nilesh Panchal	Assistant Professor	M.Sc. DFIS	Network Security and Forensics, Mobile Forensics, Computer Forensics, Memory Forensics,
9	Dr. Parag Shukla	Assistant Professor	Ph.D, MCA	Mobile Security, Malware Analysis
10	Dr Mukti Padhya	Assistant Professor	Ph.D, M.Tech, B.E.	Cloud and Data Security, Cryptography, Artificial Intelligence,
11	Dr Ujjaval Patel	Assistant Professor	Ph.D	IoT & Cloud Data Analytics,
12	Dr. Jay Teraiya	Assistant Professor	Ph.D, M.Tech	Scheduling Optimization, Swarm Intelligence, Software Engineering, NLP
13	Dr Ahlad Kumar	Assistant Professor	Ph.D. M.Tech. B.Tech	AI, Machine learning,
14	Dr. Vijeta Khare	Assistant Professor	Ph.D, M.Tech, B.Tech	Computer Vision, Image Processing
15	Dr. Reena Patel	Assistant Professor	Ph.D	Transportation Problems in Operations Research, Numerical Analysis
16	Dr. Lavi Tyagi	Assistant Professor	Ph.D	Semiconductor Photonics, Nanophotonics, Plasmonics, Nanofabrication, Semiconductor Hardware Security, Semiconductor Forensics
17	Mr. Ramya Shah	Teaching & Research Assistant	M.Tech, B.Tech.	Incident Response, Threat Intelligence, ICS Security & Forensics, IoT Security & Forensics, Cryptocurrency Investigation, Dark Net
18	Ms. Param Ahir	Teaching & Research Assistant	M.E.(IT)	Computer vision, Natural Language Processing, Big Data analytics, Data science
19	Ms. Ankita Gandhi	Teaching & Research Assistant	M.E	Computer Vision, Natural Language Processing, Deep Learning

Facilities (Infrastructural development):

The Center of Excellence in Digital Forensics is established under the School of Cyber Security and Digital Forensics. The infrastructure such as space allocation, furniture, electrification and networking are completed. The procurement of the digital forensic tools is in the final stage.

Two new verticals- Internet of Things (IoT) and Operational Technology (OT) has been operationalized under the umbrella of Cyber Defence Centre and the Centre has been renamed as Center of Excellence in Cyber Security.

Publications:

Research Papers by faculty:

1. Chaudhary, N. K. (2022). Conceptual Model of Counter-drone System to Overcome the Current Underlying Technology Limitations. *NFSU Journal of Cyber Security*, 1(1), 1.
2. Paschal Mgembe, I., Ladislaus Msongaleli, D., & Chaundhary, N. K. (2022). Progressive Standard Operating Procedures for Darkweb Forensics Investigation. 2022 10th International Symposium on Digital Forensics and Security (ISDFS), 1-3. <https://doi.org/10.1109/ISDFS55398.2022.9800830>
3. Harish Chowdhary and Naveen Chaudhary "Universal Acceptance as an Elixir for Multilingual Internet and Cybersecurity Considerations", IEEE International Symposium on Technology and Society 2022 (ISTAS22), 10-12 November 2022.
4. Kumar, A., Saini, R., Patel, M., & Palaparthi, V. S. (2022). Improved Estimation of Leaf Wetness Duration Using Deep-Learning-Based Time-Resolution Technique. *IEEE Sensors Journal*, 22(24), 24276-24285.
5. Saini, R., Patle, K. S., Kumar, A., Surya, S. G., & Palaparthi, V. S. (2022). Attention -Based Multi-Input Multi-Output Neural Network for Plant Disease Prediction Using Multisensor System. *IEEE Sensors Journal*, 22(24), 24242-24252.
6. Ankita Gandhi., Kinjal Adhvaryu., Soujanya Poria, Erik Cambria, Amir Hussain (2022). Multimodal sentiment analysis: A systematic review of history, datasets, multimodal fusion methods, applications, challenges and future directions. *Information Fusion*, Elsevier, Volume 91, Pages 424 - 444.
7. Kaushal Shah, Mukti Padhya, Rutvij Zaveri, "Blockchain Enabled Secure Energy Trading Mechanism for Smart Grid-Based Environment", *Security and Communication Networks (SCI)*, Hindawi, 1-18, 2022 (In Press).
8. Kaushal Shah, Mukti Padhya, "Hireblock : Hyperledger based Human Resource Recruitment System", In 2nd International Conference on Electrical, Computer, Communications and Mechatronics Engineering (ICECCME-2022), IEEE Digital Library (Scopus)
9. Maitri Surti, Vyom Shah, Yogi Makadiya, Kaushal Shah, Mukti Padhya, "Intelligent Systems, ICNGIS 2022, IEEE Digital Library Exploring Cyber Security Issues in the Internet of Health Care Things (IoHT) with Potential Improvements", In 7th International Conference on Information and Communication Technology for Competitive Strategies (ICTCS-2022), Lecture Notes in Networks and Systems, Springer, ISSN: 2367-3370 (Scopus).
10. Rushabh Shah, Rajvi Shah, Shram Kadia, Kaushal Shah, Mukti Padhya, "Exploring Cyber Security Threats in Smart City Infrastructure with Prospective Solution", In First International Conference on Applied Data Science and Smart Systems (ADSSS-2022), AIP Conference Proceedings (Scopus).
11. Ujjaval Patel, Rohit Patel; Priyank Kadecha, "An IoT Aided Smart AgriTech System for Crop Yield Optimization", *Smart Sensors, Actuators and Decision Support Systems for Precision Agriculture*, Apple Academic Press, CRC Press (Taylor & Francis Group), USA. December 2022 (Accepted).
12. Mr. Hitesh Sanghvi, Mr. Salem Yahya Altaeedi, Mr. Abdulaziz Saleh AlThani, Mr. Mohammed Abd Alrhmman Alkhawaldeh, Prof. Dr. Abdulrazaq Almorjan, Assistant Prof. Ramya Shah, Prof. Dr. Tanveer Zia "Google Chrome Forensics" *International Journal of Electronic Security and Digital Forensics* (In Publication Schedule)
13. Mr. Hitesh Sanghvi, Associate Prof. Dr. Digvijaysinh Rathod, Mr. Ramya Shah, Mr. Yashrajsinh Zala "Web Browser Forensics: Mozilla Firefox" *International Journal of Electronic Security and Digital Forensics*, (In Publication Schedule)
14. Mr. Adarsh Kumar, Mr. Kumar Sondarva, Dr. Bhavesh N. Gohil, Dr. Sankita J. Patel, Mr. Ramya Shah, Mr. Sarang Rajvansh, Mr. H. P. Sanghvi "Forensic Analysis of TOR Browser" *ICISPD 2022: International Conference on Information Security, Privacy and Digital Forensics*, NFSU, Goa.
15. Y. Patel, P. H. Rughani and D. Desai, "Network Forensic Investigation of Collaborative Robots: A Case Study," 2022 7th International Conference on Mechanical Engineering and Robotics Research (ICMERR), Krakow, Poland, 2022, pp. 51-54, doi: 10.1109/ICMERR56497.2022.10097787.
16. Y. Patel and P. H. Rughani, "Can Robots Harm? A Technical Survey on Robots and Their Challenges," 2022 7th International Conference on Robotics and Automation Engineering (ICRAE), Singapore, 2022, pp. 233-238, doi: 10.1109/ICRAE56463.2022.10056185.
17. Yash Patel and Parag H. Rughani, "Swarm Ornithopter Robirds: An Architecture to Protect Aerospace for Aerial Defense", 3rd International Conference on Robotics Systems and Vehicle Technology, Proceedings, July 2022 p.p. 12-15 [DoI: 10.1145/3560453.3560456] ISBN: 978-1-4503-9678-3.
18. Mr. Chandrapati Appala Satyanarayana Murty and Dr. Parag Rughani, "Dark Web Text Classification by learning through SVM Optimization", *Journal of Advances in Information Technology*, Vol. 13, Issue (6), pp. 624-631 [ISSN: 1798-2340] [DOI: 10.12720/jait.13.6.624-631]
19. H.P. Sanghvi, Dr. Digvijaysinh Rathod, Dr. Parag Shukla, Ramya Shah, Yashraj Jhala, *Web Browser Forensics: Mozilla Firefox*, Int. J. of Electronic Security and Digital Forensics, InderScience Publishers ISSN: 1751-9128, Accepted, yet to be published
20. Dr. Parag Shukla, Aditya Pratap, *Forensic Investigation: Apple Devices Acquisition & Analysis*, NFSU Journal of Cyber Security & Digital Forensics, Published, Dec 2022.
21. H.P. Sanghvi, Dr. Digvijaysinh Rathod, Dr. Parag Shukla, Ramya Shah *Web Browser Forensics: A comparative Integrated approach on artefacts acquisition, evidence collections and analysis of Google Chrome, Firefox and Brave Browser*, 4th edition of Springer International Conference Proceedings on Computing Science, Communication, and Security (COMS2)
22. Chaudhary, N., & Singh, I. (2023). A study on methodology on VoIP based communication investigation through network packet analysis. *International Journal of Electronic Security and Digital Forensics*, 1(1), 1. <https://doi.org/10.1504/IJESDF.2023.10052265>
23. Chowdhary, H., & Chaudhary, N. K. (2023). MANRS Statistical analysis and adoption in India as a collaborative security tool. *Journal of Cyber Security Technology*, 1-18.
24. Singh, I., Chaudhary, N. K., & Dahir, M. Z. (2023). Analysis of VOIP Security through VAPT and Network Packet Analysis. *Journal of North-Eastern University*, 26(1).

25. Ahmed Landry Sankara, Ramya Shah and Digvijaysinh Rathod Forensics of a Rogue Base Transceiver Station's, International Journal of Electronic Security and Digital Forensics, January 9, 2023
26. Nirav Desai, Dr. Parag Shukla, Performance of Deep Learning in Land Use Land Cover Classification of Indian Remote Sensing (IRS) LISS –III Multispectral Data, International Journal on Recent and Innovation Trends in Computing and Communication (Scopus) ISSN: 2321-8169. Accepted on 14th Feb 2023.
27. Prince Singh, Ujjaval Patel, Nilesh Chothani, Investigation of New Fuzzy Cascade Controller for Frequency Deviation in Hybrid Power Systems's, Soft Computing Applications in Modern Power and Energy Systems, Springer Nature Singapore, 19 February 2023.
28. Gogia Gaurav and Rughani Parag H. (2023) "An MI Based Digital Forensics Software for Triage Analysis Through Face Recognition" Journal of Digital Forensics, Security and Law: Vol. 17, Issue 2.
29. Yash Patel, Parag H. Rughani, and Dhruvil Desai. 2023. Analyzing Security Vulnerability and Forensic Investigation of ROS2: A Case Study. In Proceedings of the 8th International Conference on Robotics and Artificial Intelligence (ICRAI '22). Association for Computing Machinery, New York, NY, USA, pp. 6–12. <https://doi.org/10.1145/3573910.3573912>
30. Harish Chowdhary and Naveen Kumar Chaudhary et.al., A Comprehensive Study: Techniques and tools used in Detection and characterization of Malicious Domain Names", 10th International Conference on Computing for Sustainable Global Development, INDIACOM-2023, IEEE Conference, 15th – 17th March 2023, Delhi.

Books by Faculty:

- (a) Mentoring 20/20: Global Mentoring to Inspire and Set the World Afire' Authors: Jerry F. Miller, Dr. S.S. Iyengar, Dr. Anitha Kurup, Dr. Naveen Kumar Chaudhary
- (b) Information Security, Privacy and Digital Forensics, Select Proceedings of the International Conference, ICISPD 2022, Series title: Lecture Notes in Electrical Engineering, Springer' Authors: Sankita Patel, Naveen Kumar Chaudhary, Bhavesh N Gohil, S. S. Iyengar.

Book Chapters by Faculty:

1. A mini-review on - Physically Unclonable Functions: The Hardware Security Primitives, Book: Lecture Notes in Electrical Engineering; Springer, ICISPD, Goa, 2-3 Dec 2022 Authors - Harsh Panchal, Naveen Kumar Chaudhary and Sandeep Munjal
2. Lightweight Malicious Packet Classifier for IoT Networks, Book: Lecture Notes in Electrical Engineering; Springer, ICISPD, Goa, 2-3 Dec 2022 Authors - Sina Nabavi, S. S. Iyengar, Naveen Kumar Chaudhary
3. Sensor Fusion and Pontryagin Duality, Book: Lecture Notes in Electrical Engineering; Springer, ICISPD, Goa, 2-3 Dec 2022 Authors - Jayakumar S., S. S. Iyengar, Naveen Kumar Chaudhary
4. Resilient Risk based Adaptive Authentication and Authorization (RAD-AA) Framework, Book: Lecture Notes in Electrical Engineering; Springer, ICISPD, Goa, 2-3 Dec 2022 Authors - Singh, Jaimandeep, Chintan Patel, and Naveen Kumar Chaudhary.
5. Cyber Security Attack Detection Framework for DODAG Control Message Flooding in an IoT Network, Book: Lecture Notes in Electrical Engineering; Springer, ICISPD, Goa, 2-3 Dec 2022 Authors - Jerry Miller and Naveen Kumar Chaudhary
6. Fog Forensics: A Comprehensive Review of Forensic Models for Fog Computing Environment Book: Lecture Notes in Electrical Engineering; Springer, ICISPD, Goa, 2-3 Dec 2022 Authors - Konrad Śniatała, Yashas Hariprasad, Latesh Kumar K. J., Naveen Kumar Chaudhary and Michał Weissenberg
7. Vehicle Theft Detection and Tracking using surveillance video for the Modern Traffic Security Management System, International Conference on Information Security, Privacy, and Digital Forensics, Book: Lecture Notes in Electrical Engineering; Springer, ICISPD, Goa, 2-3 Dec 2022. Authors- Ashish Kamboj, Lokesh Chouhan, Charanarur Panem, Naveen Chaudhary

SSIP Projects:

Name of faculty	Title of project	Duration	Cost (INR)	Sponsoring Agency
Mr. Ramya Shah & Mr. Sarang Rajvansh	"Astra - The Forensic Imager" - Mr. Rajat Khandelwal	-	-	SSIP CELL (NFSU)
	Pravichay - Integrated Tool - Mr. Aniket Tripathi	-	-	
	Darkweb Intelligence - Ms. Anusha Chakraborty	-	-	
Dr. Naveen Kumar Chaudhary & Mr. Dharmesh D. Dave	"Dorje (Arishti Info Labs)" - Mr. Hardik Tarpara & Mr. Ronak Sutariya	-	Rs. 2 Lakhs/-	SSIP 2.0 SSIP CELL (NFSU)

Research Projects by Faculty:

Name of faculty	Title of project	Duration	Cost (INR)	Sponsoring Agency	Role
Dr. Parag H. Rughani	Developing an AI Based Solution to Identify Signatures and Documents Written in Indian Regional Languages	2 Years	Rs.10 Lakh INR	NFSU	PI
Dr. Digvijaysinh Rathod, Sh. Dharmesh Dave and Sh. Ramya Shah	CS/SCADA Data Acquisition & Assessment Framework	3 Years	Rs. 20,000	NFSU	Project PI: - Dr. Digvijaysinh Rathod, Associate Professor & Associate Dean, SCSDf, NFSU Project Co-PI: - 1. Mr. Dharmesh Dave, Assistant Professor, SCSDf, NFSU 2. Mr. Ramya Shah, Assistant Professor, SCSDf, NFSU



Faculty Achievements and recognition:

Name of faculty	Achievement / Recognition
Dr Naveen Kumar Chaudhary	<p>Appointed Courtesy Research Professor in the Knight Foundation School of Computing and Information Science, Florida International University, Miami USA.</p> <p>Editor-in-Chief NFSU International Journal of Cyber-Security and Digital Forensics.</p> <p>General Chair in International Conference on Information Security, Privacy and Digital Forensics (ICISPD 2022) organized by the National Forensic Sciences University (NFSU) Goa Campus, in collaboration with Sardar Vallabhbhai National Institute of Technology, (SVNIT) Surat, and Birla Institute of Technology and Science- Pilani, Goa Campus, (BITS-Goa).</p> <p>Drafted syllabus for Cyber security subject at UG and PG level as a part of High level UGC constituted committee. The proposed curriculum has been accepted for implementation across all the streams at UG/PG level by the UGC.</p> <p>Nominated as a member in the National Ransomware Task Force (NCRTF).</p>
Mr. Sarang Rajvansh	Participated in the _Train the Trainer course on Investigating Dark-web (IDWTTT) from 17th-27th May 2022 and delivered the expert lecture.
Mr. Ramya Shah	Delivered an 'expert talk' on 'Digital Dark Arts - From an Eye of Cyber Security Professional' for the IP&TAFS officers in a training program organized by 'The National Institute of Communication Finance (NICF) under the Department of Telecommunications (DoT)' on '01/07/2022'.
Mr. Prakash Khasor	Delivered 6 days Training course on —Basic Ethical Hacking□ from 25.07.2022 to 30.07.2022 for Police officers of States/UTs at Central Academy of Police Training, Bhopal.
Mr. Ramya Shah	Delivered an 'expert talk' on 'Digital Forensics for the ITS officers in a training program organized by 'The Indian Institute of Foreign Trade' on '16/08/2022'.
Ms. Param Ahir	Expert session on Analysis and Design of algorithms at S. P. B. Patel Engineering College on 15-10-2022.
Mr. Ramya Shah	Delivered an 'expert talk' on Digital Dark Arts: From an eye of Cyber Security Professional' for the IP&TAFS Group - A Officers' organized by National Institute of Communication Finance, DoT, MoC, GOI on 20/10/2022
Dr. Ujjaval Patel	An expert talk has been delivered in a GUJCOST Sponsored one-day seminar, —An Introduction, Advancement and Applications of IoT & AI in Engineering & Science□ on 19 th November 2022 at Monark University, Ahmedabad.
Mr. Ramya Shah	Invited as an expert speaker to conduct a workshop on "Cyber Security" by the CVO, Syama Prasad Mookerjee Port, Kolkata under the mandate of CVC, with a theme of Vigilance Awareness Week (VAW - 2022) for the senior level officers on 24th November 2022.
Mr. Ramya Shah	Was invited as a Cyber Security Consultant to discuss the needs & developments on Cyber Security Verticals at Syama Prasad Mookerjee Port, Kolkata on 25th November 2022.

Name of faculty	Achievement / Recognition
Mr. Parag Rughani	Moderated a Session on IoT, Cloud and Multimedia Forensics at 7th DFEG Meeting of Interpol at National Forensic Sciences University from 08/11/2022 to 10/11/2022.
Dr Naveen Kumar Chaudhary	Best Paper of the Year 2022 Award - Sina Nabavi, S. S. Iyengar, Naveen Kumar Chaudhary —Lightweight Malicious Packet Classifier for IoT Networks, ICISPD, Goa, 2-3 Dec 2022.
Dr. Reena Patel	Expert session in webinar on —Probability Distributions and its Applications in Real life organized by Parul Institute of Engineering and Technology, on 14 December, 2022.
Mr. Nilesh Panchal	Invited for Expert Talk on —Cloud Security at Internal Security Academic, Mt. Abu on 29th December 2022.
Mr. Prakash Khasor	Invited for Expert Talk on —Role of Artificial Intelligence and Machine Learning in Internal Security at Internal Security Academy, CRPF, Mt. Abu on 29th December 2022.
Dr Ahlad Kumar	Expert session on Machine learning at Indira Gandhi Delhi Technical University for Women, Delhi on 24-02-2023
Mr. Sarang Rajvansh	Secured 2nd Rank in Poster Presentation at 25th All India Forensic Science Conference conducted under the auspices of Ministry of Home Affairs, GoI and organized by National Forensic Sciences University in association with Directorate of Forensic Science Services on 2nd February 2023
Dr. Reena Patel	Expert session on Role of Mathematics in AI Five Days Online Short -Term Training Programme On Artificial Intelligence for Cybersecurity 14-18 March, 2023 at National Forensic Sciences University, Gandhinagar
Dr Mukti Padhya	Delivered an Expert talk on Phishing Website detection using ML during Five days Short Term Training Program on Artificial Intelligence for Cyber Security from 14 th March to 18 th March 2023
Mr. Nilesh Panchal	Delivered an expert talk' on Mobile Forensics' for the Police Officers' at Karai academy on 18/03/2023
Mr. Parag Rughani	Contributed as a panelist in the National Webinar on Cyber Security Preparedness for the Cooperative Sector organized by the National Council for Cooperative Training (NCCT), India on 24th March, 2023.
Mr. Parag Rughani	Delivered a Session on Adversarial AI during the STTP on AI for Cyber Security organized by the School of Cyber Security and Digital Forensics of National Forensic Sciences University from 14/03/2023 to 18/03/2023.
Mr. Prakash Khasor	Delivered expert session on Cloud Forensics for Police officers at Karai Training Center, Gujarat on 4th March 2023.

9. Consultancy work by Faculty:

Date	Name of faculty	Consultation Work	Name of the Company	Amount (INR)
16th and 17th March 2023	Mr. Dharmesh Dave & Dr. Parag Shukla	Cyber Security Audit	ORGI, Lucknow	
May – June 2023	Dr. Naveen Kumar Chaudhary Dr. Digvijaysinh Rathod, Mr. Sarang Rajvansh, Mr. Ramya Shah	DGGI Digital Forensic Laboratory Establishment	DGGI	Rs. 28 lakhs
May – June 2023	Dr. Naveen Kumar Chaudhary Dr. Digvijaysinh Rathod, Mr. Sarang Rajvansh, Mr. Ramya Shah	DGIT Digital Forensic Laboratory Establishment	DGIT	

10. Training imparted by the school. e.g. Certificate course for students:

Brief Details of Training	From	To
Three days workshop on AI Empowered Digital Forensics	12.12.2022	14.12.2022
Five Days Short Term Training Program on –AI for Cyber Security□	14.03.2023	18.03.2023



Training received by Faculty and Staff members:

Name of faculty/ Staff	Brief Details of Training	From	To
Ms. Param Ahir	FDP on Recent Trends in Artificial Intelligence and Cyber Security	01.11.2022	05.11.2022
Ms. Ankita Gandhi	FDP on Recent Trends in Artificial Intelligence and Cyber Security	01.11.2022	05.11.2022
Dr. Ujjaval Patel	Six Week Online Course on –Cyber Security for Everyone□ by University of Maryland on Coursera.	01.11.2022	08.12.2022
Ms. Param Ahir	One Week Capacity Building Program at NFSU	03.01.2023	10.01.2023
Ms. Ankita Gandhi	One Week Capacity Building Program at NFSU	03.01.2023	10.01.2023
Dr. Jay Teraiya	One Week Capacity Building Program at NFSU	03.01.2023	10.01.2023
Mr. Dharmesh D. Dave	One Week Capacity Building Program at NFSU	03.01.2023	10.01.2023
Mr.Prakash Khasor	One Week Capacity Building Program at NFSU	03.01.2023	10.01.2023
Dr. Reena Patel	One Week Capacity Enhancement Program at NFSU.	03.01.2023	10.01.2023
Dr Mukti Padhya	One Week Capacity Building Program at NFSU	03.01.2023	10.01.2023
Dr. Ujjaval Patel	One Week Capacity Building Program at NFSU	03.01.2023	10.01.2023
Dr. Vijeta Khare	One Week Capacity Building Program at NFSU	03.01.2023	10.01.2023
Mr. Ramya Shah	One Week Capacity Building Program at NFSU	03.01.2023	10.01.2023
Dr. Digvijaysinh Rathod	One Week Capacity Building Program at NFSU	03.01.2023	10.01.2023
Mr. Sarang Rajvansh	One Week Capacity Building Program at NFSU	03.01.2023	10.01.2023
Ms. Param Ahir	STTP on AI in Cybersecurity	13.03.2023	17.02.2023
Ms. Ankita Gandhi	STTP on AI in Cybersecurity	13.03.2023	17.03.2023
Dr. Jay Teraiya	STTP on AI in Cybersecurity	13.03.2023	17.03.2023
Mr.Prakash Khasor	Five Days Online Short-Term Training Programme on Artificial Intelligence for Cyber security	14.03.2023	18.03.2023

Conferences/Workshops/ Seminars/ Webinars attended and paper presentation by faculty members:

Name of faculty/Staff	Date	Particulars	Specification
Dr. Naveen Chaudhary	05-04-2022	Seminar on Cyber Safe Mission. LD College of Engineering, Ahmedabad	Guest Speaker
Dr. Naveen Chaudhary	12-07-2022 to 14-07-2022	Session on 13 July 2022 on Cyber Security, Threats, Challenges & Response: AI and Big Data Analytics as a Tool for Intelligence Assessment	Expert Speaker
Dr. Naveen Chaudhary	14-08-2022	National Symposium on —Death Deserves Dignity – The way we look at it□ organized by NFSU Goa in collaboration with Indian Academy of Forensic Medicine, Goa office at South District Hospital Auditorium, Margao, Goa	Keynote speaker
Dr. Digvijaysinh Rathod	02-11-2022	ICISPD 2022: International Conference on Information Security, Privacy and Digital Forensics, NFSU,Goa	Reviewer
Mr. Ramya Shah	02-11-2022	ICISPD 2022: International Conference on Information Security, Privacy and Digital Forensics, NFSU,Goa	Reviewer
Mr. Ramya Shah	02-11-2022	ICISPD 2022: International Conference on Information Security, Privacy and Digital Forensics, NFSU,Goa	Paper Presentation
Mr. Sarang Rajvansh	02-11-2022	ICISPD 2022: International Conference on Information Security, Privacy and Digital Forensics, NFSU,Goa	Reviewer
Mr. Sarang Rajvansh	02-11-2022	ICISPD 2022: International Conference on Information Security, Privacy and Digital Forensics, NFSU,Goa	Paper Presentation
Dr. Naveen Chaudhary	08-11-2022 to 10-11-2023	IoT, Cloud Forensics and Decentralized Data, Session 1, 7 th INTERPOL Digital Forensic Expert Group Meeting, held at NFSU	Expert Speaker
Dr Mukti Padhya	08-11-2022 to 10-11-2022	7 th INTERPOL DIGITAL FORENSICS EXPERT GROUP (DFEG) MEETING2022	Expert Group Meet Attended (Offline)
Dr. Ujjaval Patel	08-11-2022 to 10-11-2022	7 th Interpol Digital Forensics Expert Group (DFEG) Meeting 2022	Expert Group Meet Attended (Offline)
Ms. Ankita Gandhi	08-11-2022 to 10-11-2022	7 th Interpol Digital Forensics Expert Group (DFEG) Meeting 2022	Expert Group Meet Attended (Offline)
Ms. Param Ahir	08-11-2022 to 10-11-2022	7 th Interpol Digital Forensics Expert Group (DFEG) Meeting 2022	Expert Group Meet Attended (Offline)
Dr. Vijeta Khare	08-11-2022 to 10-11-2022	7 th Interpol Digital Forensics Expert Group (DFEG) Meeting 2022	Expert Group Meet Attended (Offline)

Name of faculty/Staff	Date	Particulars	Specification
Dr. Jay Teraiya	08-11-2022 to 10-11-2022	7 th INTERPOL DIGITAL FORENSICS EXPERT GROUP (DFEG) MEETING	Expert Group Meet Attended (Offline)
Dr. Naveen Chaudhary	02-12-2022 to 03-12-2023	International Conference on Information Security, Privacy and Digital Forensics (ICISPD 2022) organized by the National Forensic Sciences University (NFSU) Goa Campus, in collaboration with Sardar Vallabhbhai National Institute of Technology, (SVNIT) Surat, and Birla Institute of Technology and Science- Pilani, Goa Campus, (BITS-Goa)	General Chair
Dr Mukti Padhya	02-12-2022 to 03-12-2022	ICISPD 2022: International Conference on Information Security, Privacy and Digital Forensics, NFSU,Goa	Organizing Committee, Reviewer, Conference Attended (Online) and Session Chair,
Dr. Naveen Chaudhary	03-01-2023 to 10-01-2023	Industry Interaction, Placement Strategies & Entrepreneurship, FDP organized by NFSU.	Session Speaker
Dr Mukti Padhya	01-02-2023 to 04-02-2023	25th All India Forensic Science Conference (AIFSC-2023) at National Forensic Sciences University, Gandhinagar Campus,	Conference Attended (Offline)
Dr. Ujjaval Patel	01-02-2023 to 04-02-2023	25th All India Forensic Science Conference (AIFSC-2023) at National Forensic Sciences University, Gandhinagar Campus,	Conference Attended (Offline)
Dr. Vijeta Khare	01-02-2023 to 04-02-2023	25th All India Forensic Science Conference (AIFSC-2023) at National Forensic Sciences University, Gandhinagar Campus,	Conference Attended (Offline)
Dr. Jay Teraiya	01-02-2023 to 04-02-2023	25th All India Forensic Science Conference (AIFSC-2023) at National Forensic Sciences University, Gandhinagar Campus,	Conference Attended (Offline)
Dr. Digvijaysinh Rathod	01-02-2023	All India Forensic Science Conference organized by National Forensic Sciences University	Paper Presentation
Dr. Digvijaysinh Rathod	01-02-2023	All India Forensic Science Conference organized by National Forensic Sciences University	Paper Presentation
Dr. Digvijaysinh Rathod	01-02-2023	All India Forensic Science Conference organized by National Forensic Sciences University	Paper Presentation
Mr. Ramya Shah	01-02-2023	All India Forensic Science Conference organized by National Forensic Sciences University	Paper Presentation
Mr. Ramya Shah	01-02-2023	All India Forensic Science Conference organized by National Forensic Sciences University	Paper Presentation
Mr. Sarang Rajvansh	01-02-2023	All India Forensic Science Conference organized by National Forensic Sciences University	Paper Presentation
Mr. Sarang Rajvansh	01-02-2023	All India Forensic Science Conference organized by National Forensic Sciences University	Poster Presentation

Name of faculty/Staff	Date	Particulars	Specification
Dr. Naveen Chaudhary	02-02-2023	Webinar on —New Drone Regulations and Implications for LEA□ organized by National Crime Record Bureau, New Delhi	Expert Speaker
Dr. Digvijaysinh Rathod	06-02-2023 to 07-02-2023	4th International Conference on Computing Science, Communication and Security (COMS2), Ganpat University & Springer Publication	Paper Presentation
Dr. Naveen Chaudhary	01-03-2023	Online Training on Importance of Digital Forensics in Investigation, organized by National Academy Customs, Indirect Taxes and Narcotics , Mumbai	Guest Speaker
Dr. Naveen Chaudhary	14-03-2023 to 18-03-2023	05 Day Online STTP on AI for Cyber Security	Keynote Speaker
Dr Mukti Padhya	15-03-2023 to 17-03-2023	17 th INDIACom 2023, 10 th IEEE International Conference on Computing for Sustainable Global Development	Part of Technical Program Committee to organize a session on —Recent Trends in Blockchain-based Cyber Security□

International and National collaborations:

Sr. No.	Name of the Parties	Brief Description of the MoU	Financial stake, if any
1.	Directorate General of GST Intelligence (DGGI)	NFSU has signed MoU and MoA with DGGI for the establishment of the Digital Forensics Laboratory in the 4 zones of DGGI and one at NFSU HQ	5% Consultancy charges of total project cost
2.	Directorate General of Income Tax	NFSU has signed MoU and MoA with DGIT for the establishment of the CyberForensics Laboratory.	50,000/- per month for period of 5 years Consultancy charges
3.	Techconpro Pvt. Ltd.	NFSU has signed MoU with TECHCONPRO Pvt Ltd for collaboration on OSINT, Cyber Security, Multi-Media and Digital Forensics.	-
4.	L&T Smart World & Communication	NFSU has signed MoU with L&T Pvt. Ltd for collaboration in Cyber Security and Digital Forensics R&D, Consultancy and placement.	-
5.	IIT Kottayam, Kerala	NFSU has signed MoU with IIIT Kottayam, Kerala for academic collaboration.	-
6.	Security Delta(HSD), Netherlands	NFSU has signed MoU with Security Delta (HSD), Netherlands for collaboration in Cyber Security.	-

Students Achievements:

Sr. No.	Student Name, Course Name, Semester	Particulars of the Achievement
1.	Mr. Rajat Khandelwal - Semester 4, M.Tech. Cyber Security	Secured IInd Rank in Forensic Hackathon at 25th All India Forensic Science Conference conducted under the auspices of Ministry of Home Affairs, GoI at National Forensic Sciences University in association with Directorate of Forensic Science Services on 2nd February 2023 in Forensic Physical Sciences category for their innovation in AI based Forensic Handwriting/Signature recognition.
2.	Mr Ahmad Adam Jajere and Mr Samuel Kofi, M.Sc Cyber Security	Secured IInd Rank in Forensic Hackathon at 25th All India Forensic Science Conference conducted under the auspices of Ministry of Home Affairs, GoI at National Forensic Sciences University in association with Directorate of Forensic Science Services on 2nd February 2023 in Forensics Electronic category for their innovation in Drone Forensics.

Extension Activities:

Name of faculty	Extension Activities
Cyber Security Awareness Campaign	More than 08 local Institutions were covered under this awareness campaign as a part of the Cyber Security Awareness Campaign 2022 in the month of Oct 2022.
Dr Vijeta Khare, Ms. Ankita Gandhi, Ms. Param Ahir	Women in Big Data Vidya Chapter was launched at NFSU with an expert session on 15.03.2023 and 150 plus students participated

Special initiatives by the schools:

- Cyber Awareness Campaign:** With the aim to spread general cyber safety & cyber awareness, the School of Cyber Security & Digital Forensics, National Forensic Sciences University has begun campaigning for the event "Cyber चैतन्य". **Mr. Sarang Rajvansh, Assistant Professor, SCSDF & Mr. Ramya Shah, Assistant Professor, SCSDF** initiated a campaign named —Cyber चैतन्य under the banner of Cyber Social Responsibility (CSR) under the guidance of Prof. (Dr.) Naveen Chaudhary, Professor & Dean, School of Cyber Security and Digital Forensics, National Forensic Sciences University and & Dr. Digvijaysinh M. Rathod, Associate Professor & Associate Dean, SCSDF. During this campaign, various colleges and schools with a total count of around **2000+ students were addressed on Cyber Security Awareness.**
 - Campaign: "Cyber चैतन्य"
 - Focuses on:
 - ~ Awareness on how to use digital Tools & Technologies.
 - ~ Awareness on how to secure/safeguard your social/digital profile.
 - ~ Awareness on how to use Internet.
 - ~ Awareness on Cyber Laws.
 - ~ Do's & Don'ts on Internet.

Student Coordinators: Yash Gupta & Tejsi Sharma

2. The event/program stays incomplete without the support of the team. A big team of 30+ student speakers cum volunteers who worked whole heartedly in making this program a grand success.
3. School of Cyber Security and Digital forensics organized Interaction session with Mr. Anant Bhat, Associate Vice-President (Cyber Security), Black Box on **17th May 2022** for the students of M.Tech. Cyber Security, M.Sc. Digital Forensic and Information Security, and M.Sc. Cyber Security.
4. Expert Talk was delivered on 'Next Generation Cyber Range' virtually by Mr. Shantanu Khandelwal, (Alumni NFSU), Manager, KPMG, Singapore and Mr. Hidayath Khan, Sr.Principal Consultant & Instructor, Cyberbit, Bengaluru on **18th May, 2022** at the Auditorium of National Forensic Sciences University (NFSU), Gandhinagar. The programme was organized by the School of Cyber Security & Digital Forensics, National Forensic Sciences University, Gandhinagar.



5. School of Cyber Security & Digital Forensics (SCSDF), National Forensic Sciences University (NFSU), Gandhinagar organized an Expert Talk on **19th May, 2022** at NFSU. Shri Bhushan G Borase, IPS addressed the students on 'Blockchain and Cryptocurrency' and Shri S Raja Prabhu, Govt. of India delivered a talk on 'Emerging Malware Trends & Investigation Procedures'. Faculty Members from SCSDF felicitated the guests. Faculty Members of the SCSDF and students were present during the talk.



6. School of Cyber Security & Digital Forensics, NFSU, Gandhinagar has organized a tech talk with Mr. Alex Schuchman, CISO, Colgate -Palmolive Company on **6th June, 2022**.



7. Cyber Defence Centre, National Forensic Sciences University, Gandhinagar in collaboration with CISCO organized an event on 'OT Security Challenges' for the students on **10th June, 2022**.
8. School of Cyber Security and Digital Forensics organized Capture The Flag (CTF) event for the students of National Forensic Sciences University (NFSU) on **29th June, 2022**. Faculties of SCSDF have created more than 25 challenges related to cyber security and digital forensics for the cyber enthusiastic students. More than 150 students participated in the event. Team UNION was the winner, team noobsFTW was the 1st runnerup and team Kazekage 2nd runner-up team. Prizes were given away to the winners by Prof. S.S. Iyengar, Distinguished Professor, Florida International University and Prof. (Dr.) Naveen Kumar Chaudhary, Dean, SCSDF. The event was concluded with vote of thanks by Dr. Digvijaysinh Rathod, Associated Dean, SCSDF, NFSU.



9. School of Cyber Security and Digital Forensics, NFSU, Gandhinagar organized an expert talk on "Emerging Trends and Research in Digital Forensics" by Prof. Sitharama Iyengar, Distinguished Professor, Florida International University, USA on 29th June, 2022 for the students. Prof. Sitharama Iyengar is an Internationally Renowned Academician who has received many prestigious Global Awards. Prof. Naveen Kumar Chaudhary, Dean, SCSDf welcomed Prof. S. S. Iyengar along with faculties and students. Prof. S. S. Iyengar touched upon various emerging trends in Digital Forensics and career opportunities in this field for the students. Dr. Digvijaysinh Rathod, Associate Dean, SCSDf concluded the expert talk with a vote of thanks for the valuable knowledge and guidance provided by Prof. Sitharama Iyengar.



10. School of Cyber Security & Digital Forensics, National Forensic Sciences University (NFSU) organized 'ForSecCTF' - Capture the Flag Cyber Security event on **15th July, 2022** for students of M Tech Cyber Security, MSc Digital Forensics and Information Security and M Sc Cyber Security. In the event total 54 team and 134 students participated.
11. School of Cyber Security and Digital Forensics, #NFSU organized "Capture the Flag (CTF)" event for the students of the NFSU, Gandhinagar Campus on **15th July 2022**.
12. School of Cyber Security & Digital Forensics, National Forensic Sciences University (NFSU) in association with Micron organized the Expert Talk by Mr. Haman Szwarcbord, VP, CSO, Micron, and Mr. Sam Evans, Deputy CSO, Micron on **30th August, 2022 at NFSU**.
13. School of Cyber Security & Digital Forensics, National Forensic Sciences University celebrated **-National Cyber Security Month 2022** with the theme of "SeeYourSelfInCyber". Prof. (Dr.) Naveen Kumar Chaudhary, Dean-SCSDf, NFSU had delivered a talk on "OT Security and Challenges" on **5th October, 2022**. Around 300 students, faculty members, and professionals from the domain of cyber security and digital forensics have participated in the online expert talk. SCSDf-NFSU organized "OT Security Challenges" event for the students in collaboration with CISCO. The students participated in the event with high zeal and enthusiasm. Mr. Aashish Gautam, Ms. Sushrutha Sharma and Sqn. Ldr. Aryan Raj Chaudhary were the winners in the Quiz section.



14. As a part of the Series of Events for 'Cyber Security Awareness Month', CTF Organized by Mr. Prakash Khasor, Assistant Professor SCSDf on "**October 13, 2022**". A total of 84 Teams registered and 280+ students participated.



15. School of Cybersecurity and Digital Forensics (SCSDF), National Forensic Sciences University in collaboration with Nvidia-Deep Learning Institute conducted a one-day —HandsOn Workshop on Deep Learning□ for the students and faculty members of SCSDf on 18th November 2022 at National Forensic Sciences University, Gandhinagar.
16. Centre of Excellence in Cyber Security, National Forensic Sciences University (NFSU) organized CTF in Digital Forensics on the 2nd Day of the 7th INTERPOL.



17. Centre of Excellence in Cyber Security, National Forensic Sciences University (NFSU) organized CTF in Digital Forensics on the 2nd Day of the 7th INTERPOL.
18. Dr. Ahlad Kumar organized a workshop on AI-empowered Digital Forensics from 12 to 14th December 2022.



19. Dr. J.M. Vyas, Hon'ble VC- NFSU launched a 'NFSU Journal of Cyber Security and Digital Forensics' on **5th Jan.'23**.
20. The School of Cyber Security & Digital Forensics, (NFSU), Gandhinagar, and GDSC-NFSU have jointly organized annual coding carnival - "CodeFest'23," on **13 and 14th March 2023**.

21. School of Cyber security and Digital Forensics (SCSDF), NFSU, Gandhinagar organized a five-day Virtual Short-term training program on **AI for Cyber Security** from **13-17 March 2023**.
22. Dr. Vijeta Khare initiated the Women in Big Data Vidya chapter at SCSDF-NFSU which started on 15th March 2023.



23. Women in Big Data Vidya Chapter were inaugurated at National Forensic Sciences University (NFSU) under the aegis of the School of Cyber Security and Digital Forensics on 15th March, 2023.

School of Management Studies

About the School:

The School of Management Studies (SMS) is a constituent school of the National Forensic Sciences University that places a greater emphasis on management education beyond the realm of traditional business management. Its objective is to meet the requirements of businesses, industries, and professionals by providing quality education, research, consultancy, and other professional services. In light of the rapidly changing economic environment and the impact of globalization, the school is committed to introducing international standards into all aspects of its activities. The school made significant contributions to management in various areas that are relevant to practitioners, policy-makers, and the wider community.

Currently, the school offers various graduate and post-graduate programmes, including MBA (Executive), MBA in Forensic Accounting and Fraud Investigation, MBA in Cyber Security Management, MBA in Hospital and Healthcare Management, MBA in Business Analytics and Intelligence, and BBA-MBA (Integrated). The school has gained recognition for providing quality education and active research while also fostering holistic development among students through a range of engagement tools such as Credit Based Systems, Continuous Evaluation, Blended Learning, active use of MOOCs, Specialization & Elective Subjects, Expert Lectures, Soft Skills Development, Industrial Visits, Industry Projects, Training & many more.

Furthermore, the School conducts demand-driven professional courses and offers a dynamic curriculum, a talented pool of faculty members, and state-of-the-art infrastructure. It also provides need-based professional training to Chartered Accountants, Bankers, Financial Institutions, and other officials involved in the field of justice delivery system both in India and abroad.

List of Programs offered:

Sr. No.	Program Name	Campus	Duration
1.	MBA in Forensic Accounting and Fraud Investigation	Gandhinagar	2 years
2.	MBA in Cyber Security Management	Gandhinagar	2 years
3.	MBA in Hospital and Healthcare Management	Gandhinagar	2 years
4.	MBA in Business Analytics and Intelligence	Gandhinagar	2 years
5.	BBA-MBA Integrated (with Specialization in Forensic Accounting and Fraud Investigation)	Gandhinagar Delhi	5 Years Full time

List of Faculty Members:

Faculty name and	Designation	Qualifications	Specialization/ Interest Area
Prof. (Dr.) S. O. Junare	Professor & Dean	M.Com, M.Phil., Ph.D., LLB, FDPM(IIMA)	Forensic Finance and Accounting Accounting,
Dr. Haresh Barot	Associate Professor & Associate Dean	Ph. D., M. Phil., MBA, M. Com, NET (Comm.), NET, (Mgt.), P.G.D.C.A., DIM., CIFA, CFE	Forensic Accounting, Finance and Accounting
Dr. Kalgi Shah	Assistant Professor	MBA, PGDM,UGC-NET 2012, Ph.D.	Service Quality and Management
Dr. Siddharth Dabhade	Assistant Professor	Ph. D., M. Phil., M.Sc., B.Sc.	Computer Science, Cyber Security, Digital Forensic, Data Science, Machine Learning, IoT
Dr. Priyanka Yadav	Assistant Professor	Ph.D.	General management /Finance
Dr. Bhartrihari Pandiya	Assistant Professor	B. Tech., MBA, Ph.D. (IIIT A), UGC NET, FDP (IIM A)	HRM, OB
Dr. Ankita Srivastava	Assistant Professor	MBA, M.Phil. NET, Ph.D.	Finance and Accounts
Dr. Siva Krishna Golla	Assistant Professor	Ph.D., MBA,M.Com., M.A,UGC-NET,AP-SET	Finance and Accounts
Dr. Himanshu Thakkar	Assistant Professor	M.Com, B.Ed., UGC NET, GSET, Ph.D.	Accountancy & Forensic Accounting
Dr. Mitali Baruah	Assistant Professor	Ph. D. in Finance, M. Phil, SEBI Smart Trainers PGDBM, M.com, B.Com	Financial Accounting, Cost Accounting, Financial Management, Auditing
Dr. Ashwini Pandit	Teaching and Research Assistant	B.D.S, MHA, PGDMLE Ph.D. (Pursuing)	Medico-legal cases, Hospital Quality, Hospital Operations
Mr. Vipul Joshi	Teaching and Research Assistant	Ph.D. Scholar, M. Tech IT, B. Tech IT, Diploma IT	Cyber Security, Business Intelligence, CN
Mr. Mukund Purohit	Teaching and Research Assistant	M.B.A., PhD Pursuing	Forensic Accounting & Fraud Investigation
Mr. Umang Jitiya	Lecturer	Master of Engineering in Information Technology	IT Auditing, Computer Networking, Cyber Risk Management, Digital Forensic, Python and R Language
Dr. Kuldeep Dwivedi	Lecturer	B.H.M.S, M.H.A, Ph.D. (Pursuing)	Hospital & Healthcare Management, Public Health Policy & Programmes
Ms. Aarohi Dave	Language Lab Coordinator	MBA, Diploma in French.	French language trainer

Publications of Faculty:

Research Papers:

1. Prateek Bheevgade, Chirantan Saha, Rahul Nath, Siddharth Dabhade, Haresh Barot, S. O. Junare, —The Rise of Public Wi-Fi and Threats□, Springer Publication, International Conference on Information Security, Privacy and
2. S. B. Dabhade, N. S. Bansod, Y. S. Rode, N. P. Bhosale, P. D. Deshmukh, and K. V. Kale,"Image Acquisition for Biometric: Face Recognition", in Recent Advances in Biometrics. London, United Kingdom: IntechOpen, 2022 [Online]. Available: <https://www.intechopen.com/chapters/80726> doi: 10.5772/intechopen.102767 [Web of Science]
3. Vipul Joshi, Big Data Visualization Techniques of Social Media: A Survey□, ISSN: 23472693, Publisher: IJCSE

Startup Initiatives by Faculty and Students:

Name of Student	Name of the Startup	Area	Cost (INR)	Sponsoring Agency
Mr. Apporv Joshi	Cabzy	12 Months	Rs. 2 Lakh /-	Govt. of Gujarat through University level SSIP 2.0 committee
Mr. Aryan Maurya	Food Curb	12 Months	Rs. 1 Lakh/-	Govt. of Gujarat through University level SSIP 2.0 committee
Mr. Aakarsh Singh Mr. Aaditya Sharma Mr. KartheekMaan	Prepify	12 Months	Rs. 50,000/-	Govt. of Gujarat through University level SSIP 2.0 committee
Mr. Abhinav Kr. Singh Mr. Vishal Sharma Mr. KrrishNayan Mr. Rishujaiswal	The Roof	12 Months	Rs. 50,000/-	Govt. of Gujarat through University level SSIP 2.0 committee
Mr. Parth Dasadia	Virtual Trial Room	6 Months	Rs. 40,000/-	Govt. of Gujarat through University level SSIP 2.0 committee
Ms. Aditi Sharma Ms. VeeraKamdar	Fabula	12 Months	Rs. 40,000/-	Govt. of Gujarat through University level SSIP 2.0 committee
Mr. Parth Dasadia Mr. Pradeep Prabhakaran	Expert Advisor Calling Application	12 Months	Rs. 40,000/-	Govt. of Gujarat through University level SSIP 2.0 committee

Faculty Achievements and Recognition:

Name of Faculty	Achievement / Recognition
Dr. Haresh Barot	<p>Dr. Haresh Barot, Associate Professor, School of Management Studies has successfully cleared the CFE (Certified Fraud Examiner) exam conducted by ACFE, USA.</p> <p>Dr. Haresh Barot, Associate Professor, School of Management Studies was honoured with the "Teachers' Excellence Award" by the Shikshak Kalyan Foundation in the esteemed presence of Hon'ble S. P. Singh Baghel, Union Minister of State, Ministry of Law & Justice, Government of India.</p>
Dr. Siddharth Dabhade	<p>Young Scientist Award, 58th International Academic Achiever Award 2022-23, 20-22 November 2022, Thailand International Advisory Committee member, International Conference on "Recent Advancements in Computer Science, Management and Information Technology", 15th March 2023, Dept. of Computer Science, Shankarlal Khandelwal Arts, Science and Commerce College, Akola, Maharashtra.</p>
Dr. Mitali Baruah	Recognised as SEBI empanelled SMARTs trainer.

Training Imparted by the School:

Brief Details of Training	From	To
ACDA Certification (ACL Analytics)	30/03/2023	31/03/2023

Training received by Faculty and Staff members:

Name of Faculty/ Staff	Brief Details of Training	From	To
Dr. Siddharth Dabhade	Training on —EMBEDDED SYSTEM□, MSME Technology Development Centre (PPDC), Ministry of Micro, Small and Medium Enterprises, Government of India Society during at New Delhi through Online Mode.	13-06-2022	05-02-2023
Dr. Siddharth Dabhade	Five days Virtual FDP on " Data Analytics and Visualization using Tableau" organized by the Department of Information Technology, Sri G. V. Visalakshmi College for Women (Autonomous), Udumalpet, Tamilnadu,	14-11-2022	18-11-2022
Dr. Mitali Baruah	Attended a training Program which was organised by SEBI at the SEBI's Patalganga, Navi Mumbai, Maharashtra Campus	20-01-2023	21-01-2023
Dr. Siddharth Dabhade	Attended online workshop in Intellectual Property Commercialization, Turnip Innovation Festival 2023, 21 Jan, 2023 organized by Turnip Innovations	21-01-2023	21-01-2023

Conferences/ Workshops/ Seminars/ Webinars attended and paper presentation by faculty members:

Name of faculty/ Staff	Date	Particulars	Specification
Dr. Ashwini Pandit	11 th April 2022	Understanding healthcare through quality lens, MDP-IIHMR	Participation
Dr. Ashwini Pandit	25 th April 2022-30 th April 2022	Research Methodology-IIT Guwahati	Participation
Dr. Ashwini Pandit	1 st May 2022	Legal aspects of managerial practice-SGPGIMS - Lucknow	Participation
Mr.UmangJitiya	16 th may, 2022	Capture the Flag~Broot to root	Participation
Dr. Ashwini Pandit	16 th may, 2022	Capture the Flag-Broot to root	Participation
Mr.Vipulkumar Joshi	16 th may, 2022	Capture the Flag- Broot to root	Participation
Dr. Siddharth Dabhade	June 3, 2022	National Intellectual Property Awareness Mission, Government of India	Participant

Name of faculty/ Staff	Date	Particulars	Specification
Dr. Siddharth Dabhade	1-2 August 2022	First International Conference on Advances in Computer Vision & Artificial Intelligence Technologies ACVIT-2022	Participant
Dr. Ashwini Pandit	03 rd Sep, 2022	International conclave on Forensic Accounting and fraud Investigation	Participation
Mr. Vipul kumar Joshi	03 rd Sep, 2022	International conclave on Forensic Accounting and fraud Investigation	Participation
Mr. UmangJitiya	03 rd Sep, 2022	International conclave on Forensic Accounting and fraud Investigation	Participation
Dr. Himanshu Thakkar	10 th September, 2022	The identification of occupational fraud by using forensic analytics at the early stages	Paper Presentation
Dr. Himanshu Thakkar	12 to 18th September 2022.	3rd GNLU Workshop on Law and Economics: Theories and Applications organized by the GNLU Centre for Law and Economics from 12th September to 18th September 2022.	Participant
Mr.Vipulkumar Joshi	8 th October,2022	Data Analysis in R using STATCRAFT	Participation
Mr. Vipulkumar Joshi	22 nd Dec, 2022	Blockchain Technology & Its impact	Participation
Mr. Vipulkumar Joshi	26 th Dec, 2022	Expert Session on HADOOP	Participation
Mr. Mukund Purohit	04 th Jan-23 to 07 th Jan-2023	Technology, Agility & Transformation at NICOM 2023	Participation
Dr. Ashwini Pandit	25 th Feb 2023.	The Annual National Level Management & Cultural Fest —Perspective Richer10□ at Nirma Institute of Management	Competition Judge
Dr. Himanshu Thakkar	18th – 19th March 2023.	The 6th GNLU International Conference on Economic Analysis of Law, Governance and Public Policy (ICLEPP) organized by Gujarat National Law University, Centre for Law and Economics on	Session chair

International and National collaborations:

Sr. No.	Name of the Parties	Brief Description of the MoU (e.g. Academic Collaboration, Research etc.)
1	National Forensic Sciences University & Varna University of Management	MoU signed for Students Exchange and Summer Internship Programs

Webinars Conducted:

Sr. No.	Particulars of the Webinar	No. of Participants	Details of the Faculty member
1.	‘Opportunities & Recent Advances in Healthcare Management Services’ General Manager Span ICU & Multispecialty Hospital, Ahmedabad	175	Speaker: Mr. Yash Patel Convener: Dr. Kuldeep Dwivedi
2.	—Recent Developments in Criminal & Investigative Psychology in India” Consultant Clinical Psychologist Govt. Mental Hospital, Ahmedabad	96	Speaker: Dr. Bibin A Zachariah Convener: Dr. Kuldeep Dwivedi
3.	—Crime Against Children in India– Prevalence & Prevention Strategy” Forensic Psychologist TruworthWellness, Mumbai	83	Speaker: PoonamNalawade Convener: Dr. Kuldeep Dwivedi
4.	Cybercrime in Current Scenario: Mimicking the Battlefield” Advisor and Analyst Digital Forensic & Incident Response	97	Speaker: Mr. Sanchit Gupta Convener: Dr. Kuldeep Dwivedi
5.	—Big Data Analytics & Fraud Mitigation: Uncovering Financial Fraud in Digital Era” Associate, Grant Thornton, INDUS	71	Speaker: Ms. Pehal chhabria Convener: Dr. Kuldeep Dwivedi
6.	—Cyber Threat Intelligence & Threat Modelling: A Next-generation Defence” Cyber security Consultant Ernst & Young	101	Speaker: Mr Dheera jMakhija Convener: Dr. Kuldeep Dwivedi
7.	—DigitalIdentity & Data Protection: Current Developments & Future Trends in India” Data Protection Consultant at Tsaaro	63	Speaker: Ms. Freeny Patel Convener: Dr. Kuldeep Dwivedi
8.	—Role of NGO & Public Private Partnership in Comprehensive Healthcare Delivery” HOD, Learning & Development at Indus Hospitals group	57	Speaker: Dr. Dimpy Gupta Convener: Dr. Kuldeep Dwivedi
9.	—Dynamic Simulation Modelling & Big Data in Health Economics For Healthcare delivery Transformation in India” AssociateConsultant, IQVIA	41	Speaker- Mr. AnirbanHore Convener: Dr. Kuldeep Dwivedi

Students Activities and Achievements:

Sr. No.	Student Name, Course Name, Semester	Particulars of the Achievement
1.	Piyush Mohapatra, MBA in Business Intelligence, Sem 1	1 st Prize-Ideathon Competition BHU Varanasi National
2.	Piyush Mohapatra, MBA in Business Intelligence, Sem 1	3 rd Prize-National Level Management cum Cultural Fest Pratibha and Protsahan 2022, Ganapat University.
3.	Aakarsh Singh, BBA Sem 1	Runnerup-Pitch the plan, Jaipuri Institute of Management

Special initiatives by the schools, if any:

1. Workshop on "MATLAB for Financial Applications" on 13th April, 2022

School of Management Studies, National Forensic Sciences University, Gandhinagar had organized a workshop on —MATLAB (Matrix Laboratory) for Financial Applications□ on 13 April, 2022. This workshop was conducted by the Mr. Dhiraj Jagtap for the students of MBA Forensic Accounting and given Hands-On training. Notably, MATLAB is a high-level language and interactive environment for numerical computation, visualization, and programming. It will be helpful for the students with the syntaxes and functions for use in programming. 34 students got Matlab Certificates from Mathworks.

The convener of the workshop was Prof. (Dr.) S.O. Junare, Campus Director and Dean, School of Management Studies, NFSU and Coordinator is Dr.Haresh Barot, I/c Dean, School of Management Studies, NFSU and Technical Session is handled by Dr. Siddharth Da bhade, Assistant Professor, School of Management Studies, NFSU.

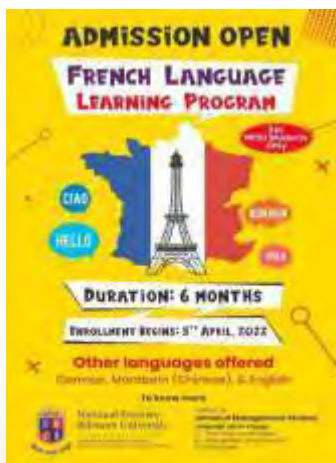




Introduction of French Learning Program at School of Management Studies on 25th April 2022

The School of Management Studies has a dedicated Language Lab for foreign language learning. It offers French Language Learning Program and other foreign languages like German, Mandarin and English. The Language Lab has started its first batch from 25th April 2022 with total 106 registrations for the French Language Program and 126 registrations for the other foreign languages. This lab at School of management studies is open for all the students of the university. The Language lab coordinator,

Ms. Aarohi Dave arranges interactive sessions and role play activities to encourage practical learning.



Students of School of Management Studies, NFSU visited Bulgaria, Europe from 26th May 2022 to 24th June 2022

The MBA students from the School of Management Studies travelled to Bulgaria's Varna University of Management which is ranked 17th in Europe, during the 2022 semester break as part of the NFSU's International Exposure Program (IEP).

Students participated in the ex. professor's lessons from Harvard University. Additionally, students had the chance to tour a number of corporations in Bulgaria and learn about the management and organizational structure of foreign businesses. Students have gained real understanding through theoretical research to practical implementation. During this visit, they were in company with students from more than 10 different nations. While studying abroad for a full month, students also encountered the social atmosphere, European culture, and innovative teaching methodologies. Students' time in Bulgaria was incredibly beneficial and valuable for their future careers. Additionally, students took part in cultural field trips to numerous locations both in Romania and Bulgaria. Along with students from many other nations, students have also observed International Yoga Day.

Students were delighted and carried their education with them in the form of memories, experiences, and a deep cultural connection, in addition to exposure to international business.

Dr. Haresh Barot, Associate Dean, School of Management Studies, NFSU, mentored and accompanied the students.



BBA student's visit to AMUL, Anand on 10th May 2022

Students of BBA-MBA integrated program of School of Management Studies, NFSU visited Amul (Anand Milk Union Limited), Anand on 10th May 2022 to learn the management insights. Students learnt various aspects of management and also understood the organisational structure of AMUL. Students visited the main Amul Factory along with Chocolate plant at Mogar. The visit was organised by Dr. Ashwini Pandit and was accompanied by Mr. Vipul Joshi and Mr. Umang Jitiya from School of Management Studies, NFSU.



An Expert session on „Insights of Healthcare Industry“ For MBA in Hospital & Healthcare Students from 16th June 2022

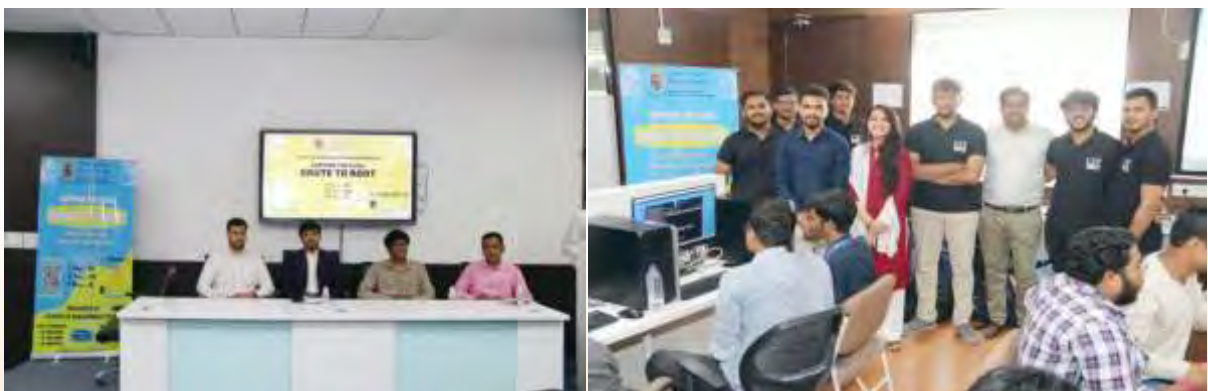
An expert session was organised at School of Management Studies, NFSU for the students of MBA-Hospital & Healthcare Management on & Insights to healthcare Industry. The expert session was delivered by Dr. Ashwini Vora, program director, Indrashil University, Cadila life sciences. The students learnt about the scope and various skills pertaining to healthcare industry. The ethical aspects of healthcare were also one of the session's highlights. The expert session was arranged by Dr. Ashwini Pandit, Course Co-coordinator, MBA in Hospital and Healthcare Management, School of Management Studies, NFSU.



Capture the flag (CTF) organised by students of MBA cyber security on 18th May 2022

The Students of MBA Cyber Security organized the event called '_CTF Capture the Flag' on 18th May, 2022. Capture the Flag is the event which is organized on international platforms. The MBACS students created a game in which the participants have to capture the flag set by them.

CTFs are designed to serve as an educational practice to the participants where they will be given the keys to find out the flags which will be based on the cyber-attacks. CTF consist of a series of challenges that vary in their degree of difficulty, and that require participants to exercise on different skill sets to solve the challenge in different domains of cyber security. The 1st Price, 2nd Price and 3rd Price winners got Rs. 15,000/-, Rs. 10,000/- and Rs. 5,000/- respectively.



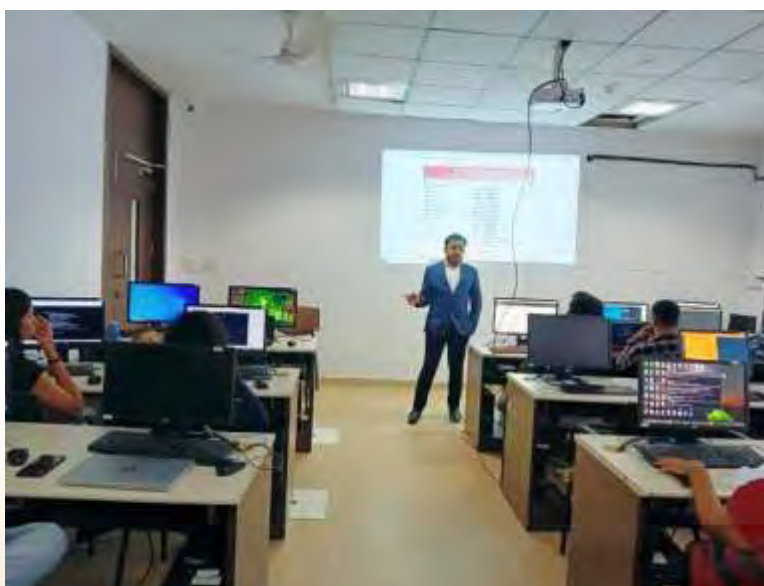
Listening competition at Language Lab on 19 May 2022

Language Lab organises different activities for students and strives hard to sharpen student's communication skills. It encourages students to do role plays, to make presentations and to participate in the discussions whenever possible. As a part of the same, on 19.05.22, Language Lab organised the Listening competition for its students. Students participated very enthusiastically and enjoyed the event thoroughly. The competition was organised by language lab coordinator Ms. Aarohi Dave.



Two Day workshop on "Vulnerability Assessment and Penetration Testing (VAPT)" during 25th July, 2022 to 26th July 2022

School of Management Studies, National Forensic Sciences University, Gandhinagar has organized a workshop on —Vulnerability Assessment and Penetration Testing (VAPT) during 25th July, 2022 to 26th July 2022. This workshop was conducted by the Smit Shah, Co-Founder & CEO, eSecurify Technologies, Ahmedabad for the students of MBA Cyber Security and given Hands-On training. The focus of the workshop was on the Vulnerability Assessment and Penetration Testing it includes Foot printing, Fingerprinting, Nmap, Firewalls, W3af, Nikto, Nessus, Burp Suite, SQL Injection, XPath Injection, Cross-Site Scripting, Browser Exploitation Framework, Real Time Hacking, Pen Testing, etc. It helps students in gaining in-depth practical knowledge in VAPT. The workshop was coordinated by Dr. Haresh Barot, Associate Dean, School of Management Studies, NFSU and Technical Session was handled by Dr. Siddharth Dabhade, Assistant Professor, School of Management Studies, NFSU.



Two Day workshop on “Data Analytics and BI through INNSIGHT” during 21st July 2022 to 22nd July 2022

School of Management Studies, National Forensic Sciences University, Gandhinagar has organized a workshop on —Data Analytics and BI through INNSIGHT□ during 21st July 2022 to 22nd July 2022. This workshop was conducted by the INNEFU for the students of MBA in Business Intelligence and given Hands-On training. It provides cutting edge Information Security & Data Analytics solutions to Defence, Enterprises, Retail, etc. INNSIGHT is an AI driven OSINT platform software which is capable to collect and analyze extremely large volumes of data from open web, social media, news site, blogs, dark net and deep web to tackle fake news, social media misuse, reputation management and able to extract actionable intelligence for strategic and tactical initiatives. The workshop was coordinated by Dr. Haresh Barot, Associate Dean, School of Management Studies, NFSU and Technical Session was handled by Dr. Siddharth Dabhade, and Mr. Vipul Joshi, Assi stant Professor, School of Management Studies, NFSU.



International Conclave on “Forensic Accounting and Fraud Investigation (ICFAFI) on 2nd and 3rd September, 2022

School of Management Studies, National Forensic Sciences University organized a two days International Conclave on Forensic Accounting and Fraud Investigation on 2nd and 3rd September, 2022. It was jointly organized by School of Management Studies, NFSU and Digital Accounting and Assurance Board, International Affairs Committee & Ahmedabad Branch of WIRC, ICAI, New Delhi.

The Chief Patrons of the event were Padma Shri Dr. J M Vyas, Vice Chancellor, NFSU and CA. (Dr.) Debashis Mitra, President, ICAI. This event had tremendous response from Chartered Accountants, Regulatory Officers, Forensic Accountants, Accounting Professionals, Academicians and Students. More than 500 delegates from India as well as abroad have participated in the conclave.

The inaugural function was graced by Padma Shri Dr. J M Vyas, Vice Chancellor, NFSU and he bestowed participants with his wisdom & knowledge and set the right tone for the two days conclave. Many prominent dignitaries like CA Aniket Talati, Vice President, ICAI, Prof. (Dr.) Purvi Pokhariyal, Campus Director, Gandhinagar, Shri C. D. Jadeja, Executive Registrar, NFSU, CA

Charanjot Singh Nanda, Chairman, DAAB, ICAI and Prof. (Dr.) S. O. Junare, Dean, SMS and Campus Director, New Delhi were also present and shared their words of wisdom.

Both the days were chockfull with invaluable experts and prominent personalities like Mr. Owen M. Hawker from FCPA, Australia, CA Deepjee Sigal from SAMA Audit Systems, Mr. Jasvinder Barar from KPMG, Mr. Amit Dubey, renowned cyber security expert.

Shri. Satish Marathe from RBI, Shri Sanjay Kumar Gupta from Ministry of Corporate affairs, Shri Nilabhra Dasgupta from Income Tax department, Shri Dhanjay Singh from Ministry of Finance, Shri Nitesh Bhandari from SEBI, Shri. S. K. Yadav from SFIO.

Shri. P. K. Kaushik from EOW, New Delhi to name a few. The Valedictory Ceremony was presided over by Prof. (Dr.) S.O. Junare, Dean, School of Management Studies, NFSU and Campus Director, New Delhi. Conclave was successfully organized by Dr. Haresh Barot, Associate Dean, SMS, CA Amit Gupta, Secretary, ICAI and their team.



Visit to Apollo Hospitals International limited, Ahmedabad on 20th September 2022

Students of MBA in Hospital and Healthcare Management of Semester I and III, from School of Management Studies, National Forensic Sciences University visited Apollo Hospitals International Limited on 20th September 2022. Students were introduced by Mr. Neeraj Lal, Chief Operating officer and Ms. Nikhita Sharma, Manager-Administration about the various aspects of management procedures that are being implemented and used currently for smooth working of the hospital. Students also learnt various aspects of management techniques and understood the organisational structure of Apollo Hospital. Students were introduced to newly implemented CPOE (Computerized Provider Order Entry) system for live patient tracking and CDSS (Clinical Decision Support System) for reducing OPD problems. The visit was coordinated by Dr. Ashwini Pandit, Co-coordinator for MBA in Hospital and Healthcare Management.



Campus Clean up drive by School of Management Studies on 12th Oct 2022

School of Management Studies organised a campus clean up drive on 12th Oct 2022. This drive focused on waste disposal and anti-littering awareness. The drive was a part of volunteer-based cleanliness campaign by BHUMI NGO. Students of MBA in hospital management, forensic accounting and fraud investigation, cyber security, business intelligence and BBA-MBA integrated participated in the event. The drive developed a sense of responsibility among students and hence contributing their bit to Swachh Bharat Abhyan. It was initiated by students of MBA in Hospital and Healthcare Management and coordinated by Dr. Ashwini Pandit.



Three Days workshop on “Data Visualization with Microsoft Power BI” during 24th to 26th November 2022

School of Management Studies, National Forensic Sciences University, Gandhinagar has organized a workshop on –Data Visualization with Microsoft Power BI– during 24th to 26th November 2022 for MBA programs. It was conducted by the CA. Sachin Jain, Director, Institute of Financial Studies, Jaipur, Rajasthan. The main focus of the workshop was on –Language of ETL– M - Query (Excel and Power BI), Data Modelling and DAX, Data Visualization, Power BI Services (Power BI Pro Features). It was helpful to students in gaining practical exposure. The workshop was coordinated by Dr. Siddharth Dabhade, Mr. Mukund Purohit, Mr. Vipul Joshi, Assistant Professor, School of Management Studies, NFSU.



Two Day workshop on “Data Analytics Using Excel” during 3rd & 4th October 2022

School of Management Studies, National Forensic Sciences University, Gandhinagar has organized a workshop on —Data Analytics Using Excel□ during 3rd & 4th October 2022. This workshop was conducted by the Mr. ChinmayaAmte (Consultant in Financial Modelling) for MBA students. The main focus of the workshop was on Advanced Excel analytics in real business problems. Students has performed Business analytics using excel. The workshop was coordinated by Dr. Siddharth Dabhade, Mr. Mukund Purohit, Assistant Professor, School of Management Studies, NFSU.



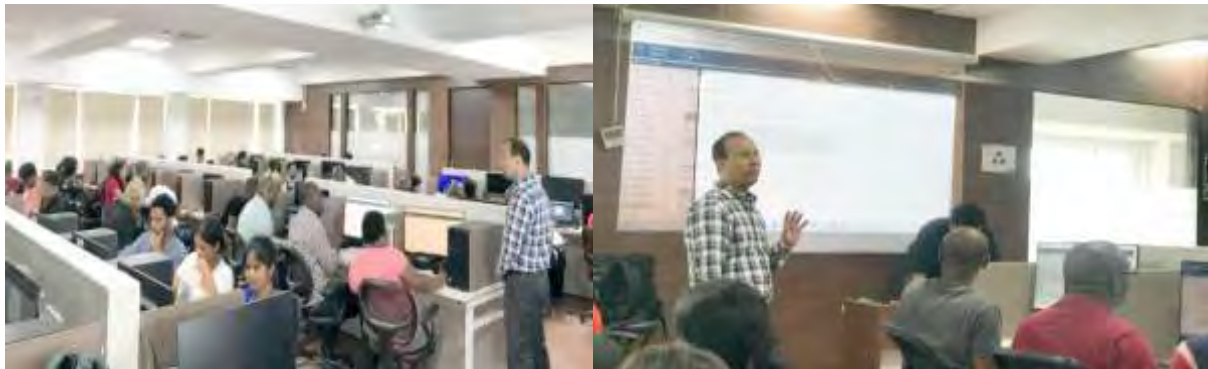
“Bhashalavanya Culfest 2022” on September 2022

Language Lab, School of Management Studies has organised ‘Bhashalavanya Culfest 2022’ in the month of September 2022. It was first of its kind an event that took place at the NFSU since its inception. It was a cultural event in French language. In the Culfest, students performed in different activities like Drama, Singing, Poetry recitation, and quiz in French language. Participants from almost all the schools took part actively and enthusiastically. The event gave an exposure to the students to the different culture of the world by learning a new language as it is very rightly said that learning a language opens up the gate of the opportunities. The event was organised by Ms. Aarohi Dave, Language lab coordinator, NFSU.



One Day Workshop on “Data Analysis in R using STATCRAFT” on 8th October, 2022

School of management studies organised a one-day workshop on “Data Analysis in R using STATCRAFT” for students of MBA on 8th October, 2022. The speaker for the workshop was Dr. Dhaval Maheta, Professor at Veer Narmad South Gujarat University, Surat. The key features of the workshop were data analysis using R and Python language. Also key highlighted future was hands-on experience of probability study, creating hypothesis, hypotheses testing, Statistical analysis and Real time data management etc. using R analysis. More than 70+ students have been participated.



4 Day workshop on “IT Audit and Compliance” during 11th to 14th October, 2022

School of Management Studies, National Forensic Sciences University, Gandhinagar has organized a four days' workshop on “IT Audit and Compliance” during 11th to 14th October, 2022. This workshop was conducted by the Mr. Subham khandelwal (Consultant-Security Testing at ControlCase International pvt. Ltd.) and Ms. Vandana Rathore (Associate Consultant-Security Testing at ControlCase International pvt. Ltd.) for the students of MBA Cyber Security Management. The main focus of the workshop was on Compliance & Standards, Application Assessment, Audit Process and Planning and Infrastructure Auditing etc. The workshop was coordinated by Mr. UmangJitiya and Mr. Vipul Joshi from School of Management Studies, NFSU.



2 days Workshop on ACL (audit Command language) at School of Management studies during 11 and 12, 2022

School of Management Organized 2 days' Workshop on ACL (audit Command language) tool for the students of MBA Forensic Accounting & Fraud Investigation during 11 and 12, 2022. Mr. Aditya Apte, CEO of Sattori India Limited & his team members, Ms. Bhavika & Ms. Vishaka, interacted with students and discussed the usage of data analytics in Fraud detection & prevention. The students get 3 Level certifications in ACL after they clear the certification exam.



Expert Talk on Blockchain Technologies & its impact on 22nd Dec. 2022

School of Management Studies organized expert session on "Blockchain Technology and its Impact" for students of MBA on 22nd December 2022. The expert Dr. H.B. Patel shared his knowledge on topic like Block chain working, Private and Public Types, Blockchain Networks etc. and students learn the practical aspects of it.



Expert Session on Big Data analytics with Hadoop on 26th December 2022

School of Management Studies organized expert session on "Big Data analytics with Hadoop" for students of MBA on 26th December 2022. The expert Dr. Ankit Shah shared his knowledge on the topic like Big Data Analytics, Protocols, hands on Hadoop installations etc. and students learned about practical aspects of big data analytics.



Entrepreneurship Development Institute of India (EDII) Ahmedabad Visit Report on March 28, 2023

The School of Management Studies organized the industrial visit for the students as a part of their curriculum for a better understanding of the subject being taught in the classroom as well as on ground practical exposure & to gain real-time experience of the Start-up culture & entrepreneurship development policy in our country dated on March 28, 2023.



Visit to Mundra Port from 12th March 2023 - 13th March 2023

A group of students from the School of Management Studies, NFSU, went on a visit to Adani Industries located in Mundra. During their visit, they explored Adani Port and SEZ, Adani Power, and Adani Wilmar refinery to gain a better understanding of the organizations extensive business operations and best management practices. The visit was organized and coordinated by Dr. Ashwini Pandit, Mr. Vipul Joshi and Mr. UmangJitiya from SMS, NFSU.



School of Behavioural Forensics

About the School:

SBF advances learning through erudition, teaching, consultancy and research of unsurpassed quality, with an emphasis on undergraduate, postgraduate and doctoral education that is distinctive, unique and with a pervasive commitment to serve the society and nation. The school is well known for imparting evidence-based teaching and training in diverse fields related to behavioural and neuro-cognitive sciences such as M Phil in Clinical Psychology (RCI recognized), MSc in Clinical/Neuropsychology, M.Sc. in Forensic Psychology, MA Criminology (with Specialisation in Forensic Psychology), BA-MA Criminology and Doctorate in Psychology/Behavioural Forensics. The mission of the school is to impart evidence-based training, education, consultancy and research in the field of mental health, clinical psychology, neuropsychology and behavioural sciences. The school is bound to follow the best ethical and evidence based practices in the field of psychology, training and research, offering diagnostic, therapeutic, rehabilitative, administrative services, and to work towards promoting the well-being and quality-of-life of individuals.

List of Programs offered:

Sr. No	Program Name	Campus	Duration
1.	M.Phil. Clinical Psychology (RCI Approved)	Gandhinagar Delhi	2 Years
2	M.Sc. Forensic Psychology	Gandhinagar	2 Years
3	M.Sc. Clinical Psychology	Gandhinagar	2 Years
4	M.Sc. Neuropsychology	Gandhinagar	2 Years
5	M.A. Criminology (Specialization in Forensic Psychology)	Gandhinagar Delhi	
6	B.A.-M.A. Criminology	Gandhinagar	5 Years
7	PG Diploma in Investigative Psychology	Gandhinagar	1 Year
8	PG Diploma in Cyber Psychology	Gandhinagar	1 Year

List of Faculty Members:

S. No	Faculty name and designation	Designation	Qualifications	Specialisation/ Interest Area
1	Prof. (Dr.) Purvi Pokhariyal	Dean	Ph.D. Constitutional Law	Criminal Justice Studies, Justice Education
2	Prof. Shekhar Seshadri	Chair Professor	M.D. Psychiatry, DPM, MBBS	Child Psychiatry, POCSO Act
3	Dr. Priyanka Kacker	Associate Dean	Ph.D.	Neuro-Forensic Psychology, Clinical Psychology, Hypnotherapy, Cyber Law & Cyber Forensics.
4	Dr. Smita Pandey	Associate Professor	Ph.D.	Clinical Psychology, Mindfulness Based Approaches, Dialectical Therapy, Acceptance and Commitment Therapy, relaxation therapy, hypnotherapy etc.

S. No	Faculty name and designation	Designation	Qualifications	Specialisation/ Interest Area
5	Mr. Bharat Lakhtariya	Adjunct Faculty	P.G. Law	Law and Criminology
6	Dr. Vijo V. Vincent	Assistant Professor	Ph.D.	Human trafficking, Evidence based Policing, Technology and Innovations in Policing, GIS & Crime Mapping, Rural Criminology, Neuro-Criminology, Crimmigration
7	Dr. Deepak SA	Assistant Professor	Ph.D.	Criminology, Violent Behaviour, Criminal Profiling, Multicide
8	Dr. Priyaranjan Maral	Assistant Professor	Ph.D.	Neuropsychology, Cognition, Disaster, Emotion, Street Children, Posttraumatic Growth, Resilience, PTSD, Women Empowerment
9	Dr. Swikar Lama	Assistant Professor	Ph.D.	Criminology, Police Studies, Investigation, Crime Analysis, Restorative Justice, Victimology
10	Dr. Bhhavya Gahlaut	Assistant Professor	Ph.D.	Positive Psychology, Cognitive Psychology, Organizational Behavior, Military Psychology,
11	Dr. Lisha S	Assistant Professor	M.Phil., Ph.D.	Positive Psychology, Organisational Behaviour Clinical Psychology, Child Psychology, School Psychology
12	Mr. Vishal Parmar	Teaching & Research Assistant	M.Phil. Clinical Psychology (RCI) M.Phil. Forensic Psychology, Ph.D. Pursuing	Clinical Psychology, Forensic Psychology, Investigative Psychology
13	Mr. Prakhar Bajpai	Teaching & Research Assistant	M.Phil. Ph.D. Pursuing	Forensic Psychology, Social Psychology Investigative Psychology
14	Mr. Yashwant Narayan	Teaching & Research Assistant	P.G. UGC NET JRF Ph.D. Pursuing	Criminology, Police Studies, Victimology, Crime Mapping,
15	Ms. Shivani Tanwar	Teaching & Research Assistant	M.Sc. Neuropsychology, Ph.D. Pursuing	Clinical-Neuropsychology
16	Ms. Lepakshi Kaul	Teaching & Research Assistant	M.Sc. Clinical Psychology, M.Sc. Forensic Psychology Ph.D. Pursuing FACT (2022) - Forensic Psychology - Qualified	Forensic Psychology, Clinical Psychology, Psychopathy, Childhood Trauma
17	Ms. Yatna Jain	Teaching & Research Assistant	P.G., Ph.D.	Social Psychology, Developmental Psychology, Adolescent Psychology, Positive Psychology, Health Psychology
18	Dr. MD Akmal Shah	Teaching & Research Assistant	M.Phil., Ph.D.	
19	Ms. Shweta Narayan	Teaching & Research Assistant	M.Phil. Clinical Psychology, Ph.D. Clinical Psychology	Infant Mental Health, Children mental Health, Psycho diagnostics, Psychotherapies, Developmental Psychopathology, Clinical and teaching to Postgraduate trainees

Infrastructure Facilities At The School:

Laboratories and Softwares: SBF has a dedicated unique state-of-the-art Neurocognitive-Electrophysiology equipments viz., 128- & 64- Channel Electrophysiological Recorders and Analyzer, functional Near-Infrared Spectroscopy (fNIRS), Brain Function Therapy (BFT), Neuron feedback and more than 250 Test Batteries. Additionally, stimulus presentation software like E-Prime (V-2.0) and Superlab (V-5) provides necessary add on to the EEG/ERP techniques and behavioural analysis.

Publications by Faculty:

Research Paper:

Mr. Vishalkumar Parmar

1. Mr. Prakhar Bajpai: "Projective Assessment of Indian Juveniles with conduct disorder", Asia Pacific Journal of Counselling and Psychotherapy, Volume 13, Issue 2, July 2022 (Scopus Listed)
2. "Deviant Behaviour and its Relation to the Self-Control and Dark Triad in Non-delinquents and Delinquents: A Comparative Study ", International Journal of Emerging Technologies and Innovative Research (www.jetir.org | UGC and issn Approved), ISSN:2349-5162, Vol.10, Issue 1, page no. ppa440-a457, January-2023, Available at : <http://www.jetir.org/papers/JETIR2301061.pdf>
3. Mr. Prakhar Bajpai: Women Empowerment: Implementation through Legal Processes and Programs, International Journal of Multidisciplinary Research, Volume 9, Issue 1, January 2023 (UGC care)

Dr Priyanka Kacker

1. Mukundan, C.R., Kamarajan, C. & Kacker P. (2022) The World Created by Human minds, GAP Bodhi Taru: A Global Journal of Humanities. Vol. I, Issue I, Pg. 22- 28 ISSN:2581-5857; doi.org/10.47968/gapbodhi.610005
2. Reddy, H & Kacker, P. (2022) Evidentiary Value of Forensic Psychological Investigative Techniques in Indian Judiciary – A Case Study of Judgements, Vol. 9, Issue 12, ISSN: 2349-5162; UGC Approved Journal No.: 63975; IF:7.95
3. Sharma, P & Kacker, P. (2022) Neuro Signature Profiling of Traumatic v/s Non – traumatic Events, Journal of Electronics Information Technology Science and Management, Vol. 12, Issue 11, pg: 37-50, ISSN:0258-7982, UGC Approved and Scopus Indexed Journal.
4. Patel, T & Kacker, P. (2022) Determining the Reliability of Eyewitness Testimony using BEOS, Journal of Electronics Information Technology Science and Management, Vol. 12, Issue 11, pg: 26-36, ISSN:0258-7982, UGC Approved and Scopus Indexed Journal
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3. Mukundan C.R, Shantala H., & Kacker P. (2022) Virtual Reality: Mind, Brain and the Neural Circuits in the body, God Online-Indian Spirituality in the Digital Space, Edited by: Namrata Chaturvedi & Preeti Oza, Authors Press, Pg.No.69-78, ISBN:978-93-5529-432-6

Research projects undertaken by Faculty:

Name of faculty	Title of project	Duration	Cost (INR)	Sponsoring Agency	Role
Dr Priyanka Kacker	Neuro Signature Profiling of Victims of Domestic Violence	2 Years	Rs. 15 Lakh	ICSSR	PI
Dr Priyanka Kacker	A Study of Factors Responsible for Recidivism	1 Year 3 months	Rs. 7.5 Lakh	BPR&D	PI
Mr. Vishalkumar Parmar	NFSU Memory Tool box	2 Years	Rs. 10 Lakh	NFSU	Co PI
Dr. Vijo V. Vincent	Preventing recidivism through restorative justice programs - the experiments and the experiences in Delhi	2 Years	Rs. 10 Lakh	NFSU	Co-PI

SSIP projects:

Name of faculty	Title of project	Duration	Cost (INR)	Sponsoring Agency
Ms. Shivani Tanwar	App-based Mindful Psychological Support Intervention Program to Sea Farers	04 Years	Rs. 45,000/-	SSIP
Mr. Vishalkumar Parmar	Aarohan- Rising Upwards	06 Months	Rs.2 Lakh /-	SSIP
Dr. Lisha S (Guide/ Mentor)	Prarambh Psychological Intervention Centre		Rs. 50,000/-	SSIP

Startup initiatives by Faculty and Students:

Name of faculty/ Student	Name of the Startup	Area	Cost (INR)	Sponsoring Agency
Vishalkumar Parmar	Aarohan - Rising Upwards		Rs. 20,000/- (Approved Grant)	SSIP 2.0
Dr Kanika Sharma	Eco	Bags from the mixture of banana stems coconut coir and husk	Rs. 20,000/- (Approved Grant)	SSIP 2.0
Dr. Krishna Kumar Mishra	The Vision		Rs. 30,000/-	SSIP 2.0

Faculty Achievements and Recognition:

Name of faculty	Achievement / Recognition
Dr Priyanka Kacker	Received the Best Scientist Award 2023 conferred by GRABS Educational Charitable Trust Received Academic Excellence Award 2022 conferred by Applied Forensic Science on 5 th September 2022
Mr. Prakhar Bajpai	Invited as Jury in the World Mental Health Day programme organized by erstwhile School of Behavioural Science
Mr. Vishalkumar Parmar	Invited as jury in 6th All India Prison Duty Meet (4th to 6th September, 2022) organized by Gujarat Prisons & Correctional Administration, Gujarat State, Ahmedabad and BPR&D
Mr Yashwant Narayan	Invited as a Jury Member for Poetry Competition in World Mental Health Day Program, organised by erstwhile School of Behavioural Science, NFSU, Gandhinagar Invited as a Guest on a Podcast Program "CCV Conversation" by Centre for Criminology, Criminal Justice and Victimology, RGNUL, Punjab. Co-chaired a scientific session in BRICS International Colloquium, organised by School of Behavioural Forensics, NFSU. Won Second Prize in "tippani lekhan" pratiyogita, organised by NFSU.
Ms. Lepakshi Kaul	Organising Member - Mental Health Awareness Contest for "National Conference on Mental Health and Well Being for All", on 9th & 10th October 2022. Speaker for Mental Health Awareness Contest organized during "National Conference on Mental Health and Well Being for All", on 9th & 10th October 2022. Member for Rapporteur during "7th Digital Forensics Expert Group Meeting" organized by the INTERPOL Innovation Centre hosted by NFSU, 8th - 10th November, 2022
Dr. Vijo V. Vincent	Special invitee to the Board of Faculty in the School of Behavioural Sciences and Forensic Psychology on 14th February 2023. Successfully bid on 18th June 2022 for hosting the 19th International Symposium of the World Society of Victimology in Gandhinagar, India in 2024. Admission Counsellor for the BA-MA Criminology and MA Criminology (with specialization in Forensic Psychology) programs on 10th August 2022. Developed the MoU which was signed by Leeds Beckett University, UK and NFSU in December 2022

Name of faculty	Achievement / Recognition
	<p>Member in the Board of Studies in the School of Behavioural Science on 23rd January 2023.</p> <p>Jury member for the Poster Contest during the Brain Awareness Week on 16th March 2023.</p>
Dr Bhavya Gehlot	<p>Speaker for Webinar on Mental Health Awareness on 20th May 2022</p> <p>Jt. Organising Secretary for Webinar on Mental Health Awareness on 20th May 2022.</p> <p>Admission Counsellor for the MSc Clinical Psychology program on 5th August 2022.</p> <p>Organised Capacity Building Programme on Counselling skills-Organising Secretary 9th Oct 2022</p> <p>Speaker for National Conference on Mental Health and Well Being for All on 9th & 10th October 2022.</p> <p>Member in the Board of Studies in the School of Behavioural Science on 24th January 2023.</p> <p>Special invitee to the Board of Faculty in the School of Behavioural Sciences and Forensic Psychology on 14th February 2023.</p> <p>Jury member for the Poster Contest during the Brain Awareness Week on 16th March 2023.</p>
Dr. Lisha S	<p>Organizing Committee Member for Webinar on Mental Health Awareness on 20th May 2022.</p> <p>Question paper setter for NFSU Entrance Examination in July 2022.</p> <p>Admission Counsellor for the MSc Clinical Psychology program on 5th August 2022.</p> <p>Speaker for National Conference on Mental Health and Well Being for All on 9th & 10th October 2022.</p> <p>Organising Secretary - Mental Health Awareness Contest for "National Conference on Mental Health and Well Being for All" on 9th & 10th October 2022.</p> <p>Member in the Board of Studies in the School of Behavioural Science on 24th January 2023.</p> <p>Evaluator for the Scientific Committee in the 25th All India Forensic Science Conference on 2nd to 4th February 2023.</p> <p>Committee Member in Stage and Cultural Committee in the 25th All India Forensic Science Conference on 2nd to 4th February 2023.</p> <p>Special invitee to the Board of Faculty in the School of Behavioural Sciences and Forensic Psychology on 14th February 2023.</p> <p>Jury member for the Poster Contest during the Brain Awareness Week on 16th March 2023.</p>
Dr. Priyaranjan Maral	<p>Organised an expert lecture o"MATLAB Programming" by Dr. Siddharth Baburao Dabhade (Assistant Professor) School of Management Studies, NFSU, Gandhinagar on Thursday, February 16, 2023.</p> <p>Organised an expert lecture on the "Philosophy of Behavioural Experiments" delivered by Dr. Vivekanand Tripathi from the Department of psychology University of Allahabad, in School of Behavioural Forensic, on 3rd March 2023</p> <p>Organised a special lecture on "Eye Tracking and its applications in scientific research, industry, human performance, marketing, and user research" and showcase of the eye tracker devices by Tobii Team Experts in School of Behavioural Forensic, on 2nd March 2023</p>

Consultancy works:

Date	Name of faculty	Consultation Work	Name of the Company	Amount (INR)
21 Feb 2023 to 13 March 2023	Mr. Vishalkumar Pashabhai Parmar	Screening Maldives Police officers for the recruitment of Maldives Police Services, Govt of Maldives	Maldives Police Services	2100 US Dollars

Training imparted by the School:

S. No	Brief Details of Training	From	To
1	Conducted a lecture and hands-on training sessions on "Crime Scene Management" for SO trainees FSL, Karnataka	24-Apr-22	25-Apr-22
2	Organized International Symposia on "Cutting Edge Technologies in Forensic Psychology" by School of Forensic Psychology, National Forensic Sciences University, Gandhinagar, Gujarat,	25-Jun-22	
3	Conducted 36 hours of evaluation-based Training (Theory and Practical) Program on _'Forensic psychological technique Polygraph (Lie-Detector) held at National Forensic Sciences University, Gandhinagar, Gujarat in	Jul-22	
4	Conducted evaluation-based Training (Theory and Practical) Program on "Forensic Psychological Technique- Layered Voice Analysis (LVA) held at National Forensic Sciences University, Gandhinagar, Gujarat	11-Jul-22	12-Jul-22
5	Conducted evaluation-based Training (Theory and Practical) Program on _'Forensic Psychological Technique Eye Detect held at National Forensic Sciences University, Gandhinagar, Gujarat	13-Jul-22	14-Jul-22
6	Conducted evaluation-based Training (Theory and Practical) Program on _'Forensic Psychological Technique Suspect Detection System (SDS) held at National Forensic Sciences University, Gandhinagar, Gujarat	14-Jul-22	14-Jul-22
7	Organized an awareness programme on Suicide Prevention in observance of World Suicide Prevention week in collaboration with Jeevan Aastha Helpline, Gandhinagar.	03-Sep-22	08-Sep-22
8	Conducted training programme on _'Ocular motor deception Detection Test (OMDDT)" for Gujarat Police	11-Oct-22	13-Oct-22
9	Training Lecture on —Role of Behavioural Science in Preventive Vigilance□ for training programme on _'Preventive Vigilance" for Chief Vigilance Officers	11-Oct-22	
10	Training Lecture on —Modern methods of Psychological Investigations□ for training programme on _Future Ready RBI- Challenges for Security Managers" for RBI Officers on	19-Oct-22	
11	Training Lecture on —Modern methods of Psychological Investigations□ for training programme on _Modern Cyber Crime Investigations" for IRS Officers	10-Nov-22	
12	Training Lecture on —Role of Behavioural Science in Preventive Vigilance□ for training programme on _'Preventive Vigilance for Vigilance Officers□	17-Nov-22	

S. No	Brief Details of Training	From	To
13	Training Lecture on "Psychological Techniques of Investigation" for training programme on "The Area of Document Examination" for Ghana ITEC Participants	24-Nov-22	
14	Organised a Guest Lecture on Awareness on Elimination of Violence against Women, , (International day for Elimination of Violence against Women)	25-11-2022	
15	Organized two day court visit to District and session court, Gandhinagar of M.A, M.Sc. & PG Diploma students of first year	21-12-2022	22-12-2022
16	Organized two day field visit of M.A, M.Sc. & M. Phil students to Amirgarh of second year students	21-12-2022	22-12-2022
17	Training Lecture on "Introduction to BEOS" for training programme on "Basic Training of Forensic Science" for Scientific Officers of FSL Karnataka	22-Dec-22	
18	Delivered a Special Lecture on "Brain Mapping & Psychology" for M.Sc. Clinical and Neuropsychology students	27-Dec-22	
19	Training Lecture on "Forensic Psychology Interview Techniques and Preventive Measures for Cyber Crime" for training programme on "Online Child Abuse & Cyber Crime" for ITEC Officers on	12-Jan-23	
20	Organized one day program titled Criminologia-e-cinema	15-01-2023	
21	Organized Forensic Psychology day at The School of Forensic Psychology, National Forensic Sciences University, Gandhinagar, Gujarat on	21-01-2023	
22	Organized a student's capacity building session on 'Hierarchical Cluster Analysis of Crime Data" by Dr. Debdulal Dutta Roy, Associate Professor, Psychological Research Unit, Indian Statistical Institute at The School of Forensic Psychology, National Forensic Sciences University, Gandhinagar, Gujarat on	21-01-2023	
23	Organized International Conclave on Futuristic Approach of Forensic Psychology in Business Intelligence and Entrepreneurship at National Forensic Sciences university, Gandhinagar Gujarat in association with Grand Academic portal (GAP)	5 Feb 2023	06-Feb-23

Training received by Faculty and Staff members (Offline and Online):

Name of faculty/ Staff	Brief Details of Training	From	To
Dr Priyanka Kacker	ATA-Interdicting Terrorist Activities from 18 th July to 05 th August 2022 at Central Academy for Police Training, Bhopal.	07/07/2022	18/07/2022
Dr. Priyaranjan Maral	Attended one month online training course on "Statistical Infographics in Crime Study" organized by Rabindrik Psychotherapy Research Institute Trust from 2 Feb. 20223 to 2nd March 2023 (Scored - Grade A++)	02/02/2023	02/03/2023
Dr Priyanka Kacker	Attended five days online Short-Term Training Programme (STTP) on ' Artificial Intelligence for cyber security', org anized by the School of Cyber Security and Digital Forensics, National Forensic Sciences University, Gandhinagar, Gujarat.	14/03/2023	18/03/2023

Conferences/ Workshops/ Seminars/ Webinars attended and paper presentation by faculty members:

Name of faculty/ Staff	Date	Particulars	Specification
Dr. Priyanka Kacker	2 March 2023	Delivered an online lecture as a resource person on "Psychological Profiling of Criminals and Suspects" organized by CBI Academy	Online lecture
Dr. Priyanka Kacker	7 th March 2023.	Delivered an Expert Talk as resource person on "Forensic Nursing" organized by Glorious International Nursing Research an Academic (GINRA) Foundation	Expert Talk
Dr. Priyanka Kacker	17 th February 2023	Delivered a Guest Lecture on "Forensic psychological Investigation Techniques" as a part of Expert Lecture Series organized by Department of Forensic Science, Kristu Jayanti College (Autonomous), Bengaluru	Expert Lecture
Dr. Priyanka Kacker	16 th November 2022	Conducted online lecture on "Case Study highlighting the importance and use of Brain Mapping" for Police Training College, Moradabad at NFSU, Gandhinagar.	Online lecture
Dr. Priyanka Kacker	16 th November 2022	Conducted online lecture on "Case Study highlighting the importance and use of Narco Test" for Police Training College, Moradabad at NFSU, Gandhinagar.	Online lecture
Dr. Priyanka Kacker	December 2022	Delivered expert sessions for Foundation Certificate Course in Forensic Psychology" organized by Sherlock Institute of Forensic Science, Delhi,	expert sessions
Dr. Priyanka Kacker	20 th August 2022	Delivered an expert session on "Forensic Psychology" for Forensic psychology Enrichment Program for Vadodara Psychology Club	expert session
Dr. Priyanka Kacker	19 th and 22 nd April 2022	Delivered an online lecture on Forensic Hypnosis for PGD in clinical and Applied Hypnosis held, For the Department of Psychology, MSU, Baroda.	online lecture
Ms. Lepakshi Kaul	21 st April 2023	Restorative Justice and Transformative Community Safety - Crime & Justice Research Centre, Seattle University	Webinar Attended

Name of faculty/ Staff	Date	Particulars	Specification
Dr. Swikar Lama	17 th to 19 th December 2022	43rd All India Criminology Conference on Reimagining Criminology and Criminal Justice in the Context of Changing Paradigms in Science and Technology, organized by The West Bengal National University of Juridical Sciences, Kolkata & The Indian Society of Criminology.	Paper presenter and co-chair
Dr. Swikar Lama	12th January, 2023	Training session on "Cyber bullying" for police officers from Tanzania at NFSU, Gandhinagar	Special lecture
Dr. Swikar Lama	March 24th, 2023	Delivered a Guest Lecture on online mode for police officers at Universities, Airlangga, Indonesia on "Crime Scene Management: Searching and collecting evidence"	Guest Lecture
Dr. Vijo V. Vincent	19th December 2022	Delivered a special lecture on Psychology of Convicts/Prisoners organized by the School of Behavioural Sciences, NFSU	Special Lecture
	3rd - 10th January 2023	Faculty Development Program for in-house NFSU faculty	Participation
	10th January 2023	Delivered a Special Lecture on Child Sexual Abuse and Related Issues for Law Enforcement Officers from Tanzania at NFSU	Special Lecture
Dr. Lisha S	17th September 2022	Delivered Expert talk on Behavioural Modification Techniques organized by Department of Psychology, Bharathiar University, Coimbatore	Expert Talk
	3rd to 10th January 2023	Faculty Development Program for in-house faculty from 3rd to 10th January 2023	Participation
Dr. Priyaranjan Maral	3rd to 10th January 2023	Faculty Development Program for in-house NFSU faculty	Participation
	22nd to 23rd March 2023.	"MAXDAYS23 - MAXQDA Online Conference" by MAXQDA - VERBI Software GmbH from Sozialforschung GmbH Invalidenstr. 74, 10557 Berlin, Germany	Participation
Ms. Yatna Jain	July 22nd & 23rd, 2022	3rd APSA International Conference 2022	Paper Presentation
	17th July, 2022	2nd International conference on Current Trends in Multidisciplinary research	Paper Presentation
	27-29th July, 2022	International conference on energy and infrastructure management ICEIM -2022	Paper presentation

International and National Collaborations:

Sr. No.	Name of the Parties	Brief Description of the MoU
1.	Hospital for Mental Health & National Forensic Sciences University	Clinical Practice, Academic and Research (2022-2025)
2.	Leeds Beckett University, UK and National Forensic Sciences University	Academic and Research collaboration, student & faculty exchange, joint courses

Webinar Conducted:

Sr. No.	Particulars of the Webinar (Description)	No. of Participants	Details of the Faculty member
1.	Mental Health Awareness	500	Dr Bhavaya, Jt. Organising Secretary

Special initiatives by the schools:

International Conclave

The School organised a two day International Conclave on the **Futuristic Approach of Forensic Psychology in Business Intelligence and Entrepreneurship** in association with the **Grand Academic Portal (GAP)**.

Awareness Program on Suicide Prevention during 06th to 08th September 2022.

The erstwhile School of Forensic Psychology (SFP) observed the World Suicide Prevention Week in association with Jeevan Aastha Suicide Prevention and Mental Health Care Helpline. The students of this school prepared and performed four activities, namely, A Skit, A Mime, A Flash Mob, A Street Play and they also prepared posters, to create awareness among the people to prevent suicide under a slogan: **"QUIT THE THOUGHT OF SUICIDE, NOT THE LIFE"** on 06th September 2022 and 08th September 2022.



Two Days Educational Trip

A two day educational trip was organised for the semester 3 students of MA Criminology, M.Sc. Forensic Psychology and MPhil Forensic Psychology to Mamta Charitable Trust, Amirgadh, where the students got the opportunity to learn the issues related to women and their victimization in rural India. Students also learned about the facilities, government schemes, and initiatives available for Women. They also understood the working and organizational function of Mamta Charitable Trust.

Court Visit for students.

The school organised a three day court visit for the semester 1 students of MA Criminology, M.Sc. Forensic Psychology, PGD Investigative Psychology and PGD Cyber Psychology. The students were taken to the District and Session Court of Gandhinagar. The students learned about the hierarchy of courts, its working and they also witnessed the court proceedings and got a chance to visit the special courts.

Visit by VIPs/Delegations/Guests etc.:

a) A special lecture and showcase of the eye tracker devices by Tobii Team Experts on 2nd March 2023

School of Behavioural Forensics organized **a special lecture and showcase of the eye tracker devices** by Tobii Team Experts (Mr. Parag Amodkar, Abhijeet Purandare, and Rohit Pendse) on 2nd March 2023 at 2:30 PM for SBF students of NFSU on the topic **"Eye Tracking and its applications in scientific research, industry, human performance, marketing, and user research."**

Under the Special Lecture Series, SBF, by Mr. Parag Amodkar delivered special lecture on **"Eye Tracking and its applications"** and **demonstration of the eye tracker device** to the students of SBF, NFSU on 2nd March 2023. Mr. Parag Amodkar has been working with Eye tracking solutions since 2009. He has introduced eye tracking technology to Academia and Commercial research across Asia and Middle east.

- b) Dr. Vivekanand Tripathi (Assistant Professor) from the Department of Psychology University of Allahabad; delivered a special lecture on the topic "Philosophy of Behavioural Experiments." to the students of SBF, NFSU on 3rd March 2023.**



- c) Dr. Chitra Iyer, Co-Founder & CEO at Space To Grow, Thought leader Anti-Human Trafficking, Digital safety of Children and Inclusive Skilling, Delhi, India, visited SBF and delivered a special lecture on 30th November 2022 for SBF students of NFSU on the topic "Cyberbullying".**



d) Dr. Uday Sinha, Additional Professor, IHBAS , Delhi, India, visited SBF on 29th March, 2023. Dr. Sinha met all the faculty members of SBF and also delivered a special lecture on Current development in Clinical Practice, for Clinical Psychology Students of SBF, NFSU.

e) On 15th December 2022, the School of Forensic Psychology, NFSU, conducted Criminologia E Cinema – The Crime Film Review Competition.' The main objective of the program was to encourage learning among students through the appreciation of art. the Students of NFSU, Gandhinagar, Gujarat were eager to participate in this event and received several registrations. The program committee has selected 15 teams from a larger pool of registrations through a screening. The fifteen teams prepared academic reviews of the film assigned by the committee and presented in the Lower Auditorium to a highly enthusiastic audience.

Dr. Swikar Lama, Ms. Vernika Mehta, and Ms. Kanika Chugh served as the judges for the program. The reviews presented by the students were scored based on three criteria such as, creativity, interpretation and ability to connect with academic literature. The crime films they reviewed were popular crime flicks gathered critical attention internationally. Student's reviews were interesting and thought provoking. Students applied several theoretical constructs in Criminology, Psychology, and other social sciences to the various scenarios in the movies. Several reviews stood out from the average film reviews and the students were able to connect the given films with academic literature.

The third, Second and First prizes for the competitions were secured by teams _Common Man', _Amar, Akbar & Antony' and _Cripsy.' The program was of an experimental nature and it was well received by the student's community of NFSU. The School of Forensic Psychology will be coming up with more such programs in short future.

f) The School of Behavioural Forensics organized **expert lecture** by Prof (Dr.) Arvind Tiwari, Professor & Dean, School of Law, Rights and Constitutional Governance, Tata Institute of Social Sciences on 14th March 2023 from 10:30 AM to 5:30 PM for SBF students of NFSU on the topic " **Prisons and Correctional Administration: Issues, Challenges and the Way forward**".



School of Engineering and Technology

About the School:

The School of Engineering and Technology, established in 2020, is an integral part of National Forensic Sciences University (formerly known as Gujarat Forensic Sciences University). The School presently offers three unique Master's Degree programs; (i) M.Tech. Civil Engineering (with specialization in Forensic Structural Engineering), (ii) M.Sc. Food Technology (with specialization in Forensic Food Analysis), (iii) M.Sc. Nanotechnology (with specialization in Forensic Nanotechnology) as well as PhD program in such areas. School of Engineering and Technology has modern and state-of-the-art infrastructure, including smart classrooms, a centrally air-conditioned building and excellent research laboratories housing high-end research and investigation-based instruments. For imparting quality education, research and innovation, the school has a large pool of highly qualified faculty members from the domain of Forensic Structural Engineering, Forensic Nanotechnology and Forensic Food Analysis. The School is imparting quality research, conducting unique training programs to forensic professionals, and providing consultancy services to a large number of private industries and government sectors in various areas including forensic structural failures, food and drug quality testing, nanomaterial testing, identification of counterfeit products etc. Faculty members are involved in specific consultancy services for multinational companies and different government bodies to solve critical challenges related to the safety and security of mankind, to where students are also exposed. Furthermore, the School is pursuing interdisciplinary research to develop indigenous technologies and products in the domain of forensic investigative sciences. A large number of sponsored research projects from both government and industry funding agencies are regularly getting executed under the active supervision of faculty members of this School. With its vast reservoir of talent, an extensive network of affiliates and commitment to forensic and allied sciences, the School of Engineering and Technology is uniquely positioned to steer education research and innovation in the directions that will benefit local, national and global communities. Vision School of Engineering and Technology aims to be a truly world-class institute in the area of Structural Engineering, Nanotechnology and Food Technology through inculcating an ideal academic environment with quality Teaching, Research and Innovation work and Producing highly skilled technocrats and entrepreneurs to safeguard the Nation and the World.

List of Programs offered:

Sr. No.	Program Name	Campus	Duration
1.	M. Tech. Civil Engineering (Forensic Structural Engineering)	Gandhinagar	2 Years
2.	M.Sc. Forensic Nanotechnology (with specialization in (i) Nanoscience and Nanotechnology, (ii) Nanobiotechnology)	Gandhinagar	2 Years
3.	M.Sc. Food Technology With Sp. In Forensic Food Analysis	Gandhinagar	2 Years

List of Faculty Members:

S. No	Faculty Name	Designation	Qualifications	Specialisation/ Interest Area
1	Prof. Pransanjit Maity	Professor and dean	M.Sc., Ph.D.	Chemistry and Nanotechnology
2	Dr. Merool Vakil	Associate Professor, Associate Dean	Ph.D., M. Tech.	Forensic Structural Engineering, Structural Evaluation, Non Destructive Testing
3	Prof. R J Shah	Adjunct Professor	M.E.	Forensic Structural Engineering
4	Dr. Jayrajsinh Sarvaiya	Associate Professor	M.Pharm, Ph.D.	Food and Drug, Forensics, IPR, Technology, Translations
5	Dr. Harshad Patel	Assistant Professor	M.Sc., Ph.D.	Materials Science and Nanotechnology
6	Dr. Kanan Thakkar	Assistant Professor	M. Tech., Ph.D.	Structural engineering; Seismic analysis and design; smart materials and their structural applications
7	Dr. Pranav. Y. Dave	Assistant Professor	M. Tech., Ph.D.	Nanotechnology
8	Mr. Abhi Shah	Teaching & Research Assistant	M. Tech., Ph.D.(Pursuing)	Evaluation and Repair of structures, Bridge Design, Forensic Structural Auditing
9	Dr.Jigar Raval	Teaching & Research Assistant	M.S., Ph.D.	Nanotechnology
10	Ms. Poorti Mohindroo	Teaching & Research Assistant	M.S., Ph.D.(Pursuing)	Food Forensics, Regulatory Affairs
11	Mr. Shivang Jayswal	Teaching & Research Assistant	M. Tech., Ph.D.	Structural Engineering, Concrete Technology, Ultra high performance concrete
12	Dr. Bappi Paul	Ramanujan Fellow	M.Sc., Ph.D.	Chemistry

Publications:

Research Paper :

- Visible Light Driven Complete Photocatalytic Oxidation of Organic Dye by Plasmonic Au-TiO₂ Nanocatalyst Under Batch and Continuous Flow Condition, Balarbe, BY; Maity, P. colloids and Surfaces A: Physicochemical and Engineering Aspects, 2022, 655, 130247
- Photocatalytic Dye Degradation by Magnetic XFe₂O₃ (X:Co, Zn, Cr, Sr, Ni, Cu, Ba, Bi and Mn) Nanocomposites Under Visible Light: A Cost Efficiency Comparison, Balarbe, BY; Bhowmik, S; Ghosh, A; Maity, P. Journal of Magnetism and Magnetic Materials, 2022, 562, 169823 (I. F. 3.1)
- Synthesis of Orange-Red Emissive Au-SG and AuAg-SG Nanoclusters and Their Turn-OFF vs. Turn-ON Metal Ion Sensing, Bhowmik, S; Paria, S; Tater, I; Maity, P. Journal of Fluorescence, 2022, 32, 2271–2280 (I. F. 2.2)
- Luminescence Detection of Fluoroquinolone Antibiotic Contamination in Raw Milk Samples by Lanthanide Probes and its Validation with LC-MS/MS Technique, Kavad, A; Patel, K; Maity, P; Kubavat, J; Bhowmik, S. Journal of Food Chemistry & Nanotechnology, 2022, 8, 76–82
- Nanostructured Luminescent Micelles: Efficient "Functional Materials" for Sensing Nitroaromatic and Nitramine Explosives Paria, S; Maity, P; Siddiqui, R; Patra, R; Maity, S B; Jana, A. Photochem, 2022, 2, 32–57
- Efficacy study of non-lanthanide small luminescent molecules as gunshot residue indicators Parmar, A; Patel, D; Hari, Parvathy; Babu, R; Maity, P. Forensic Science International, 2022, 331, 111169
- Djibril Sekou, K., & Patel, H. (2022). A Review on the interaction between Nanoparticles and Toxic metals in Soil: Meta-analysis of their effects on soil, plants and human health. Soil and Sediment Contamination: An International Journal, 1-31.
- Zala, A., & Patel, H. (2022). Dendrimer Enhanced Fingerprint and Explosive Detection: A Critical Review. Engineered Science, 20, 1-13.
- Zala, A., & Patel, H. (2022). Two-dimensional quantitative structure activity relationship study on polyamidoamine dendrimers as a multivalent inhibitor of channel-forming bacterial toxins. Asian Research Journal of Current Science, 73-82.
- Ms. Neha Deshpande, Dr. Merool Vakil, Dr. Ashok Rajpurohit, Reliance Composites, Dr. Pooja Ahuja, Abhishek Joshi, (2022). "3 dimensional fabrics for ballistic impact response: A Critical Evaluation," International Journal on Interactive Design and Manufacturing, DOI:10.1007/s12008-022-01140-4
- Rajkumari, S., Thakkar, K., and Goyal, H. (2022). "Fragility analysis of structures subjected to seismic excitation: A state-of-the-art review." Structures, 40, 303–316. (Citations – 12)
- S Jayswal, M Mungule, (2022), Microstructure evaluation and strength development of blended mortar, Materials today proceedings, Elsevier (citation-0)
- V Panara, V Bhonde, S Patel, S Jayswal, K K.R Iyer, M Mungule (2022) Effect of waste strips as reinforcement in concrete under cyclic loading, Journal of cleaner materials, Elsevier, (citation-1)
- S Jayswal, M Mungule, (2022) A Comparative assessment of strength and fracture performance of alccofine and fly ash blended high performance concrete, Materials today proceedings, Elsevier (citation-2)
- S Jayswal, M Mungule, (2022) Effect of temperature on stress strain behaviour of high calcium fly ash alccofine blended high strength concrete, Materials today proceedings, Elsevier (citation-1)
- Sachin Kumar Sharma, Bappi Paul, Anurag Srivastava, Rajaram Bal, The role of MgO during CO₂ hydrogenation to methanol over Pd/ZnO catalyst, Sustainable Chemistry for Climate Action 2 (2023) 100019.
- Ankita Sarkar, Parineeta Das, IkbaiBahar Laskar, Amrit Puzari, Bappi Paul*, Parkia speciosa: a basic heterogeneous catalyst for production of soybean oil-based biodiesel, Fuel 2023 (Accepted).
- Keita, D. S., Keita, M., Moctar, T., & Patel, H. (2023). Physico-chemical parameters, macronutrients and micronutrients evaluation in the soil of Trenabougou, rural commune of Siby, Mali. African Journal of Agricultural Research, 19(1), 24-32.
- Dr. Jayrajsinh Sarvaiya, Associate Professor, School of Engineering and Technology has published an article in collaboration with Dr. Charmy Kothari, Associate Professor, Nirma University on "A Comprehensive Study: Traditional and Cutting-Edge Analytical Techniques for the Biomarker Based Detection of the Micronutrients & POC Sensing Directions for Next-Generation Diagnostic' in Critical Reviews in Analytical Chemistry in January 2023.
- Dr. Jasmin Kubavat, Campus Coordinator- Pune Campus, Dr. Jayrajsinh Sarvaiya, Associate Professor, School of Engineering and Technology, Punita Agrawal, BIRAC Fellow has published an article in collaboration with Dr. S. Banerjee, Associate Professor, NIPER-Kolkata on "Development of Levan capped silver nanoparticles based product and its effect on wound healing' in Burns Open, Volume 7, Issue 1, in January 2023.

Books:

"Nanostructured Thin Films-The Revolution in Surface Modifications", Mr. Amar Bariya, Mr. Krinal Adaki, Pranav Y. Dave, Omniscryptum Scholar Press, Germany (Available in English language).

Book Chapter:

"Anticounterfeiting Technology: A New Manner to Delineate Cryptography", Pranav Y. Dave and Mukta Jagtap, publication in edited book titled "Research Trends in Multidisciplinary Research (Volume - 40)", akinik publications, Delhi.

"Printed Electronics: A New Loom in Printing Techniques", Pranav Y. Dave, publication in edited book titled "Research Trends in Multidisciplinary Research (Volume - 40)", akinik publications, Delhi.

Research Projects:

Name of faculty	Title of project	Duration	Cost (INR)	Sponsoring Agency	Role (PI/CO-PI/other)
Dr. Bappi Paul	Direct conversion of CO ₂ to ethanol	5 Years	Rs. 35 Lakh	SERB-DST	PI
Dr. Harshad Patel	Development of Nanotechnology enabled Body Armor.	3 Years	Rs. 17 Lakh	SEED Money Project-NFSU	PI
Dr. Merool Vakil	Quality Assessment of Hardened Concrete for Forensic Investigation	18 months	Rs. 8.80 Lakh	National Forensic Sciences University (Under Seed Money Scheme)	PI
Mr. Shivang jayswal					CO-PI
Dr. Jayrajsinh Sarvaiya	Establishment of Forensic Authentication Protocols for panchgavya components	2 Years	Rs. 40 Lakh	Department of Science and Technology	PI
Dr. Jayrajsinh Sarvaiya	Development of Point of Care on spot technologies for vitamin detection	2 Years	Rs. 46 lakh	Department of Science and Technology	PI
Dr. Jayrajsinh Sarvaiya	Development of On-Spot Testing Tools for Food Forensic Application	2 Years	Rs. 20 Lakh	NFSU Seed Money Scheme	PI

SSIP Projects:

Name of faculty	Title of project	Duration	Cost (INR)	Sponsoring Agency
Dr. Bappi Paul, Dr. Pranav Dave	NoveKevlar Fabric Composite for Dynamic Impact Protective body armour	1 year	Rs. 40,000/-	SSIP
Dr. Harshad Patel	Electro spun generated bio polymeric and bio metallic nanofiber composite membrane for wound healing	1 year	Rs. 50,000/-	SSIP
Ms. PoortiMohindro	Development of Plant based egg product and its cline assessment device	1 year	Rs. 50,000/-	SSIP
Mr. Jigar Raval	Potential effects of bio polymers and bio metallic nanoparticles on plant nutrition and bio pesticides	1 year	Rs. 50,000/-	SSIP

Patents/Copyrights:

Name of faculty	Title	Description
Dr. Jayrajsinh Sarvaiya	Controlled release of antihypertensive formulation	Dr. Jayrajsinh Sarvaiya, Associate Professor, School of Engineering and Technology along with Mr. Arvind Kukrety, Mr. Tushar Tyagi, Mr. Jigar Raval from School of Engineering and Technology were granted Patent for their innovation on controlled release of Antihypertensive formulation by Indian Patent office in February 2023. (Patent Number: 423867)
Ms. Poorti Mohindroo	On- Spot Mycotoxin Detection Technique	Ms. Poorti Mohindroo, TRA, School of Engineering and Technology, Dr. Jayrajsinh Sarvaiya, Associate Professor, School of Engineering and Technology and Ms. Sonal Dange, SA, Centre of Excellence Food Technology and Forensics were granted Patent for their innovation on spot rapid food testing kit by Indian Patent office in February 2023. (Patent Number: 420363)
Dr. Bappi Paul	An improved process and catalyst for vapour-phase total oxidation of toluene	Application no.202221061653
Dr. Bappi Paul	An improved process and catalyst for direct hydrogenation of carbon dioxide to ethanol	Application no.202321022464

Faculty Achievements and Recognition:

Name of Faculty	Achievement
Dr. Bappi Paul	SERB/DST (Government of India) International Travel Support for Young Scientists/Research Scholars to participate in International conference at Italy.
Dr. Bappi Paul	Certificate of appreciation from Elsevier for reviewing 100+ articles.
Dr. Pranav Y. Dave	Best researcher awards in International Scientist Awards on Engineering, Science and Medicine (PISA 2022), Pondicherry

Faculty Recognition:

1. Dr. P Maity and Dr. Jayaraj Sarvaiya imparted the training to FSL officers in the area of "Instrumentations in Nano Technology and Food Technology."
2. Dr. Merool Vakil is invited as Review Member for Doctoral Progress Committee at Parul University and at Gujarat Technological University.
3. Dr. Merool Vakil is invited as an expert member for Imparting training to Class -I ONGC Officers in the Area of "Effect of Fire on Structures: Forensic Investigations" on 6/12/2022.

4. As a part of Academic outreach activities, outside participants can enroll in unique courses in Forensic Investigations. In that connection, two professional practitioners have joined the course on "Evaluation, Repair and Rehabilitation of Structures" conducted by Prof. R.J.Shah and Dr. Merool Vakil.
5. Dr. Merool Vakil was invited by vigilance department -GoG to prepare video lecture on "Vigilance in Construction Sector" , to spread the awareness among the vigilance officers in the area of construction
6. Dr. Merool Vakil along with four experts from NFSU were invited by Delhi Police to provide their expert opinion in a case
7. Mr. Shivang Jayswal is Reviewer in International Journal of Structural Concrete by Wiley Publisher and International Journal of Materials today proceedings

10. Consultancy works:

Name of faculty	Date	Consultation Work	Name of the Company	Amount (INR)
Dr.Prof. R. J. Shah, Dr. Merool Vakil, Mr. Abhi Shah	2022- April	Mr. Dilip Patel,Krishna Industrial Estate, Survey No. 220/P Navapura, Sanand, Ahmedabad	Assessment of Fire Damaged Industrial Steel Structure at Navapura, Sanand, Ahmedabad	Rs. 3,75,000/-
Dr. Jayrajsinh Sarvaiya	2022-June	GNLU	Food Testing	Rs. 17,700
Dr. Jayrajsinh Sarvaiya	2022-June	Zydus Cadila Healthcare LTD	Contamination Investigation	Rs. 47,200
Dr. Jayrajsinh Sarvaiya	2022-June	Zydus Cadila Healthcare LTD	Contamination Investigation	Rs. 23,600
Dr. Jayrajsinh Sarvaiya	2022-June	Cadila Helthcare LTD	Contamination Investigation	Rs. 1,25,000
Dr. Jayrajsinh Sarvaiya	2022-June	Astral SteriTech PVT LTD	Contamination Investigation	Rs. 23,600
Dr. Jayrajsinh Sarvaiya	2022-June	CadilaHelthcare LTD	Contamination Investigation	Rs. 23,600
Dr. Jayrajsinh Sarvaiya	2022-June	Emcure Pharmaceuticals LTD	Physiochemical Characterization	Rs. 23,600
Dr. Jayrajsinh Sarvaiya	2022-June	Baxter Pharmaceuticals India PVT LTD	Contamination Investigation	Rs. 59,000

Name of faculty	Date	Consultation Work	Name of the Company	Amount (INR)
Dr. Jayrajsinh Sarvaiya	2022-June	Baxter Pharmaceuticals India PVT LTD	Contamination Investigation	Rs. 59,000
Dr. Jayrajsinh Sarvaiya	2022-June	Zydus Lifesciences LTD	Contamination Investigation	Rs. 29,500
Dr. Jayrajsinh Sarvaiya	2022-June	Zydus Lifesciences LTD	Contamination Investigation	Rs. 29,500
Dr. Jayrajsinh Sarvaiya	2022-June	Zydus Lifesciences LTD	Contamination Investigation	Rs. 59,000
Dr. Jayrajsinh Sarvaiya	2022-June	Zydus Lifesciences LTD	Contamination Investigation	Rs. 29,500
Dr. Jayrajsinh Sarvaiya	2022-June	Emcure Pharmaceuticals LTD	Physiochemical Characterization	Rs. 5,49,146
Dr. Jayrajsinh Sarvaiya	2022-June	Astral SteriTech PVT LTD	Contamination Investigation	Rs. 23,600
Dr. Jayrajsinh Sarvaiya	2022-July	Baxter Pharmaceuticals India PVT LTD	Contamination Investigation	Rs. 1,18,000
Dr. Jayrajsinh Sarvaiya	2022-July	Zydus Lifesciences LTD	Contamination Investigation	Rs. 50,000
Dr. Jayrajsinh Sarvaiya	2022-July	Zydus Lifesciences LTD	Contamination Investigation	Rs. 35,400
Dr. Jayrajsinh Sarvaiya	2022-July	Emcure Pharmaceuticals LTD	Contamination Investigation	Rs. 41,300
Dr. Jayrajsinh Sarvaiya	2022-July	Zydus Lifesciences LTD	Contamination Investigation	Rs. 35,400
Dr. Jayrajsinh Sarvaiya	2022-July	GNLU	Food Sample Testing	Rs. 23,600
Dr. Jayrajsinh Sarvaiya	2022-July	Baxter Pharmaceuticals India PVT LTD	Contamination Investigation	Rs. 35,400
Dr. Jayrajsinh Sarvaiya	2022-August	Navjyoti Analyticas & Research Laboratory	DSC SAMPLE	Rs. 2,832
Dr. Jayrajsinh Sarvaiya	2022-August	GSCSCL	Rice Fortification Assessment	Rs. 5,31,000
Dr. Jayrajsinh Sarvaiya	2022-October	Pride Druge& Pharma PVT LTD	TGA Analysis	Rs. 35,400
Dr. Jayrajsinh Sarvaiya	2022-October	Zydus Lifesciences LTD	Contamination Investigation	Rs. 35,400

Name of faculty	Date	Consultation Work	Name of the Company	Amount (INR)
Dr. Jayrajsinh Sarvaiya	2022-October	Zydus Lifesciences LTD	Contamination Investigation	Rs. 35,400
Dr. Jayrajsinh Sarvaiya	2022-October	GNLU	Food Testing	Rs. 35,400
Dr. Jayrajsinh Sarvaiya	2022-October	Zydus Lifesciences LTD	Contamination Investigation	Rs. 29,500
Dr. Jayrajsinh Sarvaiya	2022-October	Zydus Lifesciences LTD	Contamination Investigation	Rs. 35,400
Dr. Jayrajsinh Sarvaiya	2022-October	Zydus Lifesciences LTD	Contamination Investigation	Rs. 35,400
Dr. Jayrajsinh Sarvaiya	2022-October	Zydus Lifesciences LTD	Contamination Investigation	Rs. 35,400
Dr. Jayrajsinh Sarvaiya	2022-October	Zydus Lifesciences LTD	Contamination Investigation	Rs. 41,300
Dr. Jayrajsinh Sarvaiya	2022-October	Zydus Lifesciences LTD	Physiochemical Characterization	Rs. 35,400
Dr. Jayrajsinh Sarvaiya	2022-October	Zydus Lifesciences LTD	Physiochemical Characterization	Rs. 35,400
Dr. Jayrajsinh Sarvaiya	2022-October	Zydus Lifesciences LTD	Physiochemical Characterization	Rs. 35,400
Dr. Jayrajsinh Sarvaiya	2022-October	Zydus Lifesciences LTD	Sample Vial For Evaluation	Rs. 29,500
Dr. Merool Vakil Mr. Shivang Jayswal	2022-November	Mr. Vishwajeetsinh S Gohil	Cement testing	Rs. 10,042/-
Dr. Jayrajsinh Sarvaiya	2022-December	Emcure Pharmaceuticals LTD	Physiochemical Characterization	Rs. 35,400
Dr. Jayrajsinh Sarvaiya	2022-December	Zydus Lifesciences LTD	Physiochemical Characterization	Rs. 35,400
Dr. Jayrajsinh Sarvaiya	2022-December	CadilaHelthcare LTD	Contamination Investigation	Rs. 35,400
Dr. Jayrajsinh Sarvaiya	2022-December	Astral SteriTech PVT LTD	Contamination Investigation	Rs. 41,300
Dr. Jayrajsinh Sarvaiya	2022-December	Baxter Pharmaceuticals India PVT LTD	Contamination Investigation	Rs. 41,300
Dr. Jayrajsinh Sarvaiya	2022-December	Astral SteriTech PVT LTD	Contamination Investigation	Rs. 29,500

Name of faculty	Date	Consultation Work	Name of the Company	Amount (INR)
Dr. Jayrajsinh Sarvaiya	2022-December	Zydus Lifesciences LTD	Contamination Investigation	Rs. 35,400
Dr. Jayrajsinh Sarvaiya	2022-December	Shree Guru Infracon PVT LTD	Cement Test	Rs. 10,042
Dr. Merool Vakil Mr. Shivang Jayswal	2022-December	Shree Guru Infracon Pvt Ltd.	Cement testing	Rs. 10,042/-
Dr. Jayrajsinh Sarvaiya	2023-January	Emcure Pharmaceuticals LTD	Physicochemical Characterization	Rs. 5,52,000
Dr. Jayrajsinh Sarvaiya	2023-February	Emcure Pharmaceuticals LTD	Physicochemical Characterization	Rs. 7,30,000
Dr. Jayrajsinh Sarvaiya	2023-February	Emcure Pharmaceuticals LTD	Physicochemical Characterization	Rs. 7,30,000
Dr. Merool Vakil Mr. Shivang Jayswal	2023-February	Mahalakshmi Quarry works	Cement testing	Rs. 10,042/-
Dr. Jayrajsinh Sarvaiya	2023-March	Baxter Pharmaceuticals India PVT LTD	Brown Particle Characterization	Rs. 35,400
Dr. Jayrajsinh Sarvaiya	2023-March	Amneal Injectables PVT LTD	Contamination Investigation	Rs. 1,23,900
Dr. Jayrajsinh Sarvaiya	2023-March	Amneal Injectables PVT LTD	Contamination Investigation	Rs. 2,47,800
Dr. Jayrajsinh Sarvaiya	2023-March	Zydus Lifesciences LTD	Contamination Investigation	Rs. 35,400
Dr. Jayrajsinh Sarvaiya	2023-March	Emcure Pharmaceuticals LTD	Contamination Investigation	Rs. 35,400
Dr. Jayrajsinh Sarvaiya	2023-March	Zydus Lifesciences LTD	Contamination Investigation	Rs. 35,400
Dr. Jayrajsinh Sarvaiya	2023-March	Baxter Pharmaceuticals India PVT LTD	Contamination Investigation	Rs. 41,300
Dr. Jayrajsinh Sarvaiya	2023-March	Zydus Lifesciences LTD	Contamination Investigation	Rs. 41,300
Dr. Jayrajsinh Sarvaiya	2023-March	Intas Pharmaceuticals LTD	Contamination Investigation	Rs. 29,500
Dr. Jayrajsinh Sarvaiya	2023-March	Baxter Pharmaceuticals India PVT LTD	Contamination Investigation	Rs. 41,300
Dr. Jayrajsinh Sarvaiya	2023-March	GNLU	Various Food Samples Test	Rs. 35,400

Training imparted by the School:

Brief Details of Training	From (Date)	To (Date)
Five Days Offline Training Program on —Construction Failure: Cases, Causes & Lessons Learned□	May 20-22 & May 28-29, 2022	5 Days
Training to Karnataka FSL Scientists on Structural Failures	March 2023	10 Days
Training to Karnataka FSL Scientists on Chemical Analysis Techniques	January 2023	5 Days

Training received by Faculty and Staff members (Offline and Online):

Name of faculty/ Staff	Brief Details of Training	From	To
Dr. Kanan Thakkar	An Expert Session on "Industrial Steel Structures: Conceptualization to Application"	April 2, 2022	April 2, 2022
Mr. Shivang Jayswal	An Expert Session on "Industrial Steel Structures: Conceptualization to Application"	April 2, 2022	April 2, 2022
Dr. Kanan Thakkar	An Expert Session on "Repair & Rehabilitation of RCC Elements"	July 5, 2022	July 5, 2022
Mr. Shivang Jayswal	An Expert Session on "Repair & Rehabilitation of RCC Elements"	July 5, 2022	July 5, 2022
Dr. Kanan Thakkar	An Expert Session on "Concrete Technology: Materials to Structures"	September 26, 2022	September 26, 2022
Mr. Abhi Shah	An Expert Session on "Concrete Technology: Materials to Structures"	September 26, 2022	September 26, 2022
Dr. Kanan Thakkar	An Expert Session on "Strengthening of RCC Structures by FRP"	October 12, 2022	October 12, 2022
Mr. Abhi Shah	An Expert Session on "Strengthening of RCC Structures by FRP"	October 12, 2022	October 12, 2022
Mr. Shivang Jayswal	A Series of Two Expert Sessions on "Prevention & Resolution of Construction Disputes"	October 21, 2022	October 21, 2022
Mr. Abhi Shah	A Series of Two Expert Sessions on "Prevention & Resolution of Construction Disputes"	October 21, 2022	October 21, 2022
Dr. Kanan Thakkar	Teaching Pedagogy & Methods for Building Construction & Structures	22 April 2022	22 April 2022
Mr. Shivang Jayswal	Teaching Pedagogy & Methods for Building Construction & Structures	22 April 2022	22 April 2022
Mr. Abhi Shah	Teaching Pedagogy & Methods for Building Construction & Structures	22 April 2022	22 April 2022

Conferences/ Workshops/ Seminars/ Webinars attended and paper presentation by faculty members:

Name of faculty/ Staff	Date	Particulars	Specification
Dr. Merool Vakil; Mr. Abhi Shah	April 2, 2022	An Expert Session on "Industrial Steel Structures: Conceptualization to Application"	Coordinators
Prof. R. J. Shah; Dr. Merool Vakil; Dr. Kanan Thakkar	May 20-22 & May 28-29, 2022	Five Days Offline Training Program on "Construction Failure: Cases, Causes & Lessons Learned"	Coordinators
Prof. R. J. Shah; Dr. Merool Vakil; Mr. Abhi Shah	July 5, 2022	An Expert Session on "Repair & Rehabilitation of RCC Elements"	Coordinators
Dr. Merool Vakil; Mr. Shivang Jayswal	September 26, 2022	An Expert Session on "Concrete Technology: Materials to Structures"	Coordinators
Dr. Bappi Paul	03 October, 2022 to 05 October, 2022	3rd International Conference on Materials Science and Nanotechnology, Italy	Paper presentation
Dr. Merool Vakil; Mr. Shivang Jayswal	October 12, 2022	An Expert Session on "Strengthening of RCC Structures by FRP"	Coordinators
Dr. Merool Vakil; Dr. Kanan Thakkar	October 21, 2022	A Series of Two Expert Sessions on "Prevention & Resolution of Construction Disputes"	Coordinators
Dr. Merool Vakil; Mr. Shivang Jayswal	18 th December 2022	Jointly organised by NIT Calicut and Virginia Tech, Virginia	Paper presentation
Prof. Prasenjit Maity	9th January 2023	National Workshops on Materials and Methods towards Developing Sensors for Public Safety 2022 (MMDSPS-2022) sponsored by SERB-New Delhi and held at Pandit Deendayal Energy University (PDEU).	Invited Talk on Luminescence based sensing strategies in Forensic Science

Webinar Conducted:

Sr. No.	Particulars of the Webinar	No. of Participants	Details of the Faculty member
1	IPR awareness/training program under the special mission called "National Intellectual Property Awareness Mission (NIPAM)"	183	Dr. Bappi Paul & Dr. Pranav Y. Dave

Students Activities and Achievements:

Sr. No.	Student Name, Course Name, Semester	Particulars of the Achievement
1.	Students of M.Sc. Food Technology (31students), M.Sc. Forensic Nanotechnology (13students)	Visit at Institute for Plasma Research, Bhat, Ahmedabad.
2.	Third Semester Students – M. Tech. Civil Engineering (Specialization in Structural Engineering) Batch – 2021-23	A Visit to Institute of Seismological Research, Gandhinagar, Gujarat, India on September 14, 2022 Faculty: Dr. Kanan Thakkar
3.	Third Semester Students – M. Tech. Civil Engineering (Specialization in Structural Engineering) Batch – 2021-23 & First Semester Students – M. Tech. Civil Engineering (Specialization in Structural Engineering) Batch – 2022-24	55 th Engineer's Day Celebration Faculty: Dr. Merool Vakil, Dr. Kanan Thakkar, Mr. Shivang Jayswal, Mr. Abhi Shah
4.	Andharia Priyam Madhaviben, Third Semester Student – M. Tech. Civil Engineering (Specialization in Structural Engineering) Batch – 2020-22	Ami Engineers
5.	Gandhi Sagar Hitesh - Third Semester Student – M. Tech. Civil Engineering (Specialization in Structural Engineering) Batch – 2020-22	Ushta Infinity/ ESI Services India LLP
6.	Mehta Devanshu Manojkumar, Third Semester Student – M. Tech. Civil Engineering (Specialization in Structural Engineering) Batch – 2020-22	S3M Consultants
7.	Nair Sneha Sethukumaran Sarala, Third Semester Student – M. Tech. Civil Engineering (Specialization in Structural Engineering) Batch – 2020-22	VK Structural Consultants
8.	Varasada Maharshi Kirankumar, Third Semester Student – M. Tech. Civil Engineering (Specialization in Structural Engineering) Batch – 2020-22	Geo Designs & Research
9.	Vora Raj Nanubhai, Third Semester Student – M. Tech. Civil Engineering (Specialization in Structural Engineering) Batch – 2020-22	Project Plus Consultants
10.	Anakha Hari, Third Semester Student – M. Tech. Civil Engineering (Specialization in Structural Engineering) Batch – 2020-22	Geo Designs & Research
11.	Ashutosh Dhaurya, Third Semester Student – M. Tech. Civil Engineering (Specialization in Structural Engineering) Batch – 2020-22	P. Vora Consultants

Sr. No.	Student Name, Course Name, Semester	Particulars of the Achievement
12.	Nayana Shajan, Third Semester Student – M. Tech. Civil Engineering (Specialization in Structural Engineering) Batch – 2020-22	Geo Designs & Research
13.	Sreebha M S, Third Semester Student – M. Tech. Civil Engineering (Specialization in Structural Engineering) Batch – 2020-22	S3M Consultants
14.	Vincy P P, Third Semester Student – M. Tech. Civil Engineering (Specialization in Structural Engineering) Batch – 2020-22	Ushta Infinity/ ESI Services India LLP
15.	Gohil Tushar Jayantibhai, Third Semester Student – M. Tech. Civil Engineering (Specialization in Structural Engineering) Batch – 2021-23	Ushta Infinity Construction Co. Pvt. Ltd.
16.	Kadiya Shivang Dilipkumar, Third Semester Student – M. Tech. Civil Engineering (Specialization in Structural Engineering) Batch – 2021-23	S3M Design Consultants Pvt. Ltd.
17.	Jaimin Rakeshbhai Patel, Third Semester Student – M. Tech. Civil Engineering (Specialization in Structural Engineering) Batch – 2021-23	Structural
18.	Megh Kamlesh kumar Prajapati, Third Semester Student – M. Tech. Civil Engineering (Specialization in Structural Engineering) Batch – 2021-23	Ushta Infinity Construction Co. Pvt. Ltd.
19.	Shah Yesha Pareshbhai, Third Semester Student – M. Tech. Civil Engineering (Specialization in Structural Engineering) Batch – 2021-23	Ushta Infinity Construction Co. Pvt. Ltd.
20.	Vasani Vatsal Dipeshbhai, Third Semester Student – M. Tech. Civil Engineering (Specialization in Structural Engineering) Batch – 2021-23	Ami Engineers
21.	Gatha S Giridhar, Third Semester Student – M. Tech. Civil Engineering (Specialization in Structural Engineering) Batch – 2021-23	Ushta Infinity Construction Co. Pvt. Ltd.
22.	Mansi Pal, Third Semester Student – M. Tech. Civil Engineering (Specialization in Structural Engineering) Batch – 2021-23	IIT Roorkee
23.	M. Tech. Civil Students	Engineering Day celebration (Quiz competition, Build the cantilever competition)
24.	Shivang Kadiya (2021-23)	Participation in 1 eek FDP on futuristic research scope in civil engineering
25.	Shivang Kadiya (2021-23)	2 nd position in International poster competition on Construction/History of Indian heritage monuments organized by Parul university
26.	Shivang Kadiya and Patnam Kalyan (2022-24)	3 rd prize in CIVIL MAESTRO QUIZ 2022 organized by Neha consultant

Sr. No.	Student Name, Course Name, Semester	Particulars of the Achievement
27.	Shivang Kadiya (2021-23)	5 days FDP programme on Sustainable Construction Techniques organized by SATYABAMA institute of science & technology
28.	Nainisha Kansara, Stuti Joshi and Yatrika Thakkar M.Sc. Food Technology 3 rd Semester	Participate in the Final phase of Regional Round of Azadi ka Amrut Mahotsav Hackathon 2022 Hackathon Organized by SSIP, Gujarat
29.	Internship- 6 month Industrial Experience and Training (2022)	Tulsi Chandak- Guilt free Industry Kriti Kaushik-Mother Dairy Aditi Sisodia- APEDA Friya Patel-Zydus Wellness Krishna Ajmeri- Mc-Cain Foods Isha Anaghan- Madhur Dairy Abhay Koladiya- Madhur Dairy Ameer Hathi- Zydus Wellness Sandhya Kumari-FSSAI Rishi Seeram- UnibicIndustries Jyoti Sharma- Dabur Industries Akansha Singh- Zydus Wellness Mansi Chugh- Nestle India Kartik Sanil- Coconut Development Board, India MythriSubramaniam-Coconut Development Board, India.

Special initiatives by the schools:

- Brainstorming session on Forensic Nanotechnology was held on 4th of November, 2022 with 65 participants.** Total of 5 speakers came to deliver lectures and discuss and debate on various topics related to application of nanotechnology in Forensic investigation and Crime Prevention. The major focus of this scientific event will be —Nanotechnology based Sensing, Imaging and Anticounterfeiting Technology".





2. Celebration of National Science Day 2023 on 28th February in the honour of Dr. C.V. Raman.

The event had three different activities like extempore, science quiz and drawing competition. There were many students who participated in the event. The guest for the event has been invited from Institute of Plasma Research, Bhat, Prof. Subroto Mukherjee. He is a senior professor and dean at IPR, Bhat. From the University, there were two in house speakers; Prof. Prasenjit Maity and Dr. Jayrajsinh Saravaiya, who delivered their talks on science and innovation. Prof. Purvi Pokhariyal, campus director of National Forensic Sciences University, Gandhinagar was host speaker of the event. She has been delivered her talk on the motivation and failures in science.



3. Five days training program on Construction Failure: Cases, Causes and Lesson Learned



4. Expert talk on "Repair and Rehabilitation of RCC Element"



5. Expert Talk on "Application of anchors for repair and rehabilitation of structures"



6. Engineer"s Day celebration





7. Application of concrete scanner and lidar in forensic structural engineering



8. Orientation Lecture series (Dr. Rajanjit Pal (ISRO, Ahmedabad), Prof. ChinmoyGhoroi , IIT Gandhinagar, Mr. C S Gohil, FSSAI, Gujarat) on 31st August and 1st September 2022.

School of Police Science and Security Studies

About the School:

This University has been conducting a post graduate course in Homeland Security since 2013. In order to give further boost to security studies, Hon'ble Vice-Chancellor Dr. J.M. Vyas established a School of Police Science & Security Studies on 1st February 2021. This school aims to impart advanced training with substantial emphasis on modern security technologies to prepare Security Executives to serve in the different security forces as well as the industry and corporate sector, thereby responding to India's growing security and safety needs. Presently, the school offers three academic programmes namely, M.Sc. (Homeland Security), M.A. (Police & Security Studies), and PG Diploma in Security Studies.

In the Academic Year 2022-23, the School commenced its flagship program of M.Sc. (Homeland Security) at the Delhi campus of NFSU. Last year, the PG Diploma in Security Studies course, which is primarily aimed at the working professionals, was also launched successfully and is being conducted on the weekends at the Gandhinagar campus of NFSU.

The School strives to impart education with a combination of classroom teaching and practical exposure with substantial focus on guest lectures, panel discussions, case study analysis and industry exposure. As such, besides academic studies, the School provides training to its students at a major industrial complex, premier security training establishment and through Expert Talks by eminent speakers and industry professionals. In the recent past, multiple MoUs have been signed with top security industries like Mahindra Defence and foreign universities such as Macquarie University, Australia to further strengthen the exposure to our students.

List of Programs offered:

S. No.	Program Name	Campus	Duration
1.	M.Sc. (Homeland Security)	Gandhinagar	2 Years
		Delhi	
2.	M.A. (Police & Security Studies)	Gandhinagar	2 Years
3.	PG Diploma in Security Studies	Gandhinagar	1 Year
4.	Diploma Canine Forensics	Delhi	6 months

List of Faculty Members:

S.No	Faculty Name & Designation	Designation	Qualification	Specialization / Interest Area
1	Air Commodore K.R.Thakkar	Dean, SPSSS	M.Phil., M.Sc.(Defence & Strategic Studies), B.Sc. (Physics)	Homeland Security, Defence Studies, Strategic Affairs, Air Power, U.N. Peacekeeping, Crime Investigation, Vigilance, Airport Management & HRM
2	Dr. Pavithran Nambiar	Senior Faculty	Ph.D., M.Phil., M.A., B.A.	Policing, Intelligence, National Security, Counter terrorism, Industrial Security, US Homeland Security, Disaster Management
3	Dr. Sushma Devi	Assistant Professor	Ph.D.	National security and Digital threats, Cyberspace, Cyber security, information and communications technology, e-governance, and issues related to the digital Era in contemporary times.
4	Ms. Pinal Patel	Teaching & Research Assistant	Ph.D. (submitted), M.Phil., M.A., B.B.A.	International Relations, National Security, Peace and Conflict, Disaster Management, Financial Accounting and Management
5	Mr. Abhishek Dadhich	Teaching & Research Assistant	M.A. International Relations, B.A. Political Science, CS Executive Program, Diploma in Criminology & Correctional Administration	Geopolitics, Economic Security, Terrorism and Internal Security, Radicalisation, Secularism & Modernity Studies
6	Mr. Keval Pandya Lecturer	Lecturer	M.Sc. (Homeland Security & Anti-Terrorism), B.E. (Computer Engineering)	Homeland Security, Cyber Security, Incident Response, International Affairs and Defence Studies

Publications by Faculty:

Research Paper:

Patel Pinal, & Sharma, S. (2022). Enforced Disappearances: A Major Human Rights Issue in Baluchistan. Journal of Social and Political Sciences, 5(4), 24-34.

Faculty Achievements and recognition:

Name of faculty	Achievement / Recognition
Mr. Keval Pandya	Selected to attend the Training program on 'Investigating Terrorist Activities' conducted by the Govt. of the USA through the U.S. Dept. of State's Office of Anti-Terrorism Assistance at CAPT, Bhopal

Training received by Faculty and Staff members:

Name of faculty / staff	Brief Details of the Training	From	To
Mr. Keval Pandya	Course on "Investigating Terrorist Activities Train the Trainer" conducted at the Central Academy for Police Training (CAPT), Bhopal by the Officer of Anti-Terrorism Assistance (ATA) under the U.S. Dept. of State (Offline Training). The training included proactive and reactive investigation methods for investigation of terrorist activities, Intelligence & Surveillance Operations and Financial aspects of terrorist activities.	18 th July 2022	05 th August 2022
{All SPSSS Faculty} Air Commodore K.R. Thaakar	Faculty Development Programme (FDP) organized by Department of Academics at NFSU.	03 rd January 2023	10 th January 2023
Dr. Pavithran Nambiar Dr. Sushma Devi Ms. Pinal Patel Mr. Abhishek Dadhich Mr. Keval Pandya	Attended training Seminar on USIEF: Fulbright Fellowships Outreach Program organised at NFSU on 1 st March 2023. The seminar provided opportunities for academics, students, and professionals to study, research, and teach in the host country. Dr. Gayatri Singhal - An Indian Program Manager at the United States-India Educational Foundation, New Delhi delivered a talk on various fellowship schemes, the review and selection process, the timeline, and resources for preparing a strong application.	1 st March, 2023	

Conferences/ Workshops/ Seminars/ Webinars attended and paper presentation by faculty members:

Name of faculty / staff	Date	Particulars	Specification	Details of the Session
Air Commodore K. R. Thaakar	12 July 2022	Secure India 3.0 : India's Security Environment 2022 Webinar conducted by GCTC in collaboration with NFSU	Speaker in session titled "India's Internal Security threats, challenges, and responses in J&K Punjab: Need to redefine strategy"	The talk expertly delineated the major issues related to Internal security of India. It also highlighted various intelligence strategies undertaken by paramilitary forces to curb violence.
Dr. Pavithran Nambiar	13 July 2022		Speaker in session titled "Modernisation of Police Forces: Is that really enough?"	The speaker highlighted Structure, Advantages and Challenges of the Special Operations Group Set up by Gujarat Police in 2005.
Mr. Abhishek Dadhich	12 July 2022		Moderator on session titled "Understanding and Mitigating Online Radicalisation and Hate Speech"	The session was based on contemporary security challenges borne out of online radicalisation and the possible response strategies.
Ms. Pinal Patel	13 July 2022		Speaker in Session titled "Emergency Preparedness and Disaster Management: Threats, Challenges & Responses"	This talk focused on contemporary technologies and innovative strategies used in Disaster Management

Dr. Rohit Raj	13 July 2022		Speaker in Session Public Safety & Internal Security: Issues Challenges & Responses	The talk covered the public safety related issues and discussion on the Public Policy responses of the state.
Air Commodore K.R. Thaakar	13 to 15 Sep 2022	International Police Education Conference organized by London Policing College, U.K.	Air Commodore K.R. Thaakar, Dean, School of Police Science & Security Studies delivered Keynote Address on '_Cyber Crime & Fraud - Indian Perspective & Role of NFSU	The talk focused on the confluence of Cyber Criminal activities and the financial elements involved, often as white-collar crimes. Air Commodore Thaakar spoke from an Indian perspective, based on the threats and vulnerabilities unique to the Indian system and also highlighted the contributing role of NFSU in tackling the menace.
			Air Commodore K.R. Thaakar, Dean, School of Police Science & Security Studies took part in a panel discussion on '_Role of Technology in Cyber Crime Frauds'	The panel discussion focused on the critical role of technology in perpetrating the cyber frauds and emphasized on the necessity of the law enforcement to adapt to the changing scenario.



Air Commodore K.R. Thaakar	27 Dec. 2022	18 th Annual Security Conference of Security Managers, Reserve Bank of India at Dhordo, Kutch	Air Commodore K.R. Thaakar gave an Expert lecture on the '_Insights into emerging security scenario' to the Security Officers of the Reserve Bank of India (RBI)	The talk covered the broad spectrum threats and challenges faced by the contemporary security setup for both the Government as well as the industry. He emphasized on the need to remain aware as well as proactive in handling emerging threats.
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International and National collaborations.

Mahindra Defence Systems Ltd (MSDL) and National Forensic Sciences University (NFSU)

Mahindra Defence Systems Ltd (MSDL) signed Memorandum of understanding (MoU) with National Forensic Sciences University (NFSU), Gandhinagar on 28th April 2022. Mahindra Defence Systems Ltd is the largest private sector supplier of Defence systems to various government and security organizations. Apart from mutual knowledge sharing and collaboration, one of the major projects envisioned is the joint development of mobile 'Forensic Investigation van' with the state-of-the-art technology. This collaboration also involves extensive opportunities in terms of internships and research for the students, research scholars and even faculties of the School of Police Science & Security Studies and NFSU.



Vedanta Ltd And National Forensic Sciences University (NFSU)

Vedanta Limited, Mumbai signed Memorandum of understanding (MoU) with National Forensic Sciences University (NFSU), Gandhinagar on 2nd May 2022. Vedanta Limited, a subsidiary of Vedanta Resources Limited, is a multinational mining company with significant operations in Oil, Gas and metals. The collaboration will facilitate the company's security and intelligence functions to develop competencies in Forensics. Moreover, the MoU will facilitate in conducting research, undertaking consultancy, organizing academic & professional training programs and internships for NFSU Students specifically from Homeland Security and Security Studies disciplines.



London Policing College.

London Policing College (LPC), UK signed MoU in a virtual mode with NFSU on 24th March, 2022. Dr. J.M. Vyas, Vice-Chancellor of NFSU and Mr. Rod Jarman, President of London Policing College signed the MoU. Mr. Sutinderjit Mahil from LPC, UK was present for MoU. The MoU further strengthens the profile of NFSU in academics and research in areas related to policing and security. The students, researchers and faculty of School of Police Science & Security Studies stand to benefit from the extensive opportunities emerging out of this collaboration.

Macquarie University Sydney, Australia and NFSU signed a MoU on 10th February 2023

Macquarie University, Sydney, Australia and NFSU signed a MoU on 10th February 2023. The collaboration between the two institutions covers a variety of domains that will enhance knowledge sharing, academics, research and training such as Global & National Security Studies, Intelligence studies, Counter-terrorism, Cyber Security, Financial Frauds and NDPS.



Indian Army at ARTRAC Shimla NFSU signed MoU with the Indian Army on 28th September 2022

Indian Army at ARTRAC Shimla NFSU signed MoU with the Indian Army on 28th September 2022 at HQs Army Training Command (ARTRAC), Shimla. The NFSU team also held wide-ranging discussions with the Army Commander, Lt Gen S.S. Mahal, and other senior officers for collaboration in the areas of academics, training, and consultancy.



Webinar Conducted:

Sr. No.	Particulars of the Webinar (Description)	No. of Participants	Details of the Faculty member
1.	Air Commodore K.R. Thaakar delivered an expert talk on Webinar for Parul Institute of Law, Parul University, Vadodara on the subject of Armed Conflict Prevention, Management & Resolution on 16 th April 2022.	75	Air Commodore K.R. Thaakar, Dean, SPSSS

Students Activities and Achievements:

1	M.Sc. (Homeland Security), Sem-2 M.A. (Police & Security Studies), Sem-2 12 th -13 th April 2022	Participation in NATIONAL SYMPOSIUM ON CONTEMPORARY CHALLENGES TO NATIONAL SECURITY OF INDIA The students of M.Sc. Homeland Security and M.A. Police & Security studies attended a 2-day symposium on Contemporary Challenges to National Security of India' organized by Defense and National Security Studies programme, Faculty of Arts, The Maharaja Sayajirao University of Baroda on 12 th -13 th April 2022. The symposium aimed at discussing the role of India in the prevailing geopolitical environment and possible ways to deal with them. It equipped the students with Internal Security challenges in J&K, North east, Information war and other non-conventional dimensions of National security, Left wing extremism and challenges of Maritime security in Indo-pacific region.
2	M.Sc. (Homeland Security), Sem M.A. (Police & Security Studies), Sem-3 PG Diploma in Security Studies, Sem-1 19 th - 24 th September 2022	Visit to Adani Ports & SEZ, Mundra in Sept. 2022 Students of the School of Police Science & Security Studies visited and participated in a week-long training program at Adani Ports and Special Economic Zone (APSEZ), Mundra, Gujarat from 19 th September to 24 th September 2022. The students underwent a security induction training where they assimilated the physical security management of different types of critical infrastructure and were imparted training on Port Security & Safety, Incident Response, Fire Fighting, Airport Security Management, Freight Station Management, Thermal Power Station Security etc.



3	<p>M.Sc. (Homeland Security), Sem-1</p> <p>M.A. (Police & Security Studies), Sem-1</p> <p>03rd October 2022</p>	<p>Visit to Indian Air Force Exhibition, Ahmedabad in Oct. 2022</p> <p>The students of M.Sc. (Homeland Security) and M.A. (Police & Security Studies) attended the ‘Know your Air Force’ exhibition at the Cargo Terminal of Ahmedabad Airport. The exhibition comprised static displays of various assets of the Indian Air Force such as aircraft, missiles, weaponry systems, radars, Fighter Jets, helicopters, etc.</p>
		
4	<p>M.Sc. (Homeland Security), Sem-3</p> <p>M.A. (Police & Security Studies), Sem-3</p> <p>21st Nov. to 02nd Dec. 2022</p>	<p>Visit to North Eastern Police Academy (NEPA), Shillong in Nov. 2022</p> <p>The students of M.Sc. (Homeland Security) and M.A. (Police & Security Studies) participated in a 12-day training program at North Eastern Police Academy (NEPA), Shillong from 21st November to 02nd December 2022. The training included exposure to basic Police functioning, criminal investigations, simulated Arms firing, cyber policing & forensics, and fingerprint forensics to name a few. Lectures were conducted by the expert faculties and senior police officials of NEPA on Police Administration, Security situation in the North East, Maintenance of Law & Order in insurgency-prone areas, cyber security methods against terrorism, AFSPA & Human Rights, Practical aspects and challenges in Criminal Prosecution, Explosives Act and Explosive Substances Act etc. and other relevant subjects. As part of their physical exposure to basic Counter-Insurgency training, the students underwent Obstacle Course training, Jungle trek, Horse Riding, Checkpoints and Counter-Ambush setup, Weapons and Explosives Demo.</p>



5	<p>M.Sc. (Homeland Security), Sem-3</p> <p>M.A. (Police & Security Studies), Sem-3</p> <p>24th November 2022</p>	<p>Visit to the Eastern Air Command</p> <p>The students of M.Sc. (Homeland Security) and M.A. (Police & Security Studies) visited the Eastern Air Command at Shillong, Meghalaya. The students were oriented on the functions and capabilities of the Air Force in maintaining security in the eastern theatre. The students also visited the Indian Air Force Museum to get a glimpse into the past and prowess of the Indian Air Force.</p>
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6	<p>M.Sc. (Homeland Security), Sem-4</p> <p>M.A. (Police & Security Studies), Sem-4</p> <p>January – March 2023</p>	<p>Internship</p> <p>100% students of Sem-4 of Batch 2021-23 have been placed at Internships between Jan 2023 and March 2023. The major companies recruiting our students for Internship are Mahindra Defence, Adani Group, Reliance Industries, MitKat Advisory, and Bharat Diamond Bourse.</p>
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SSIP Projects

Two students from SPSSS, (2nd year student) and Mr. Manishankar S (1st year student) were selected for the grant of SSIP scholarship for their Start-up ideas.

7	Ms. Richa Chayan, M.A.(Police & Security Studies), Sem-4	Ms. Richa Chayan proposed to set up a Hygienic Food Business targeting the young adult population.
8	Mr. Manishankar S, M.Sc. (Homeland Security), Sem-2	Mr. Manishankar S proposed to launch a 'Security & Risk Advisory' start-up.

Sports Week, NFSU – 16th to 22nd March 2023

9	Ms. Amruta Patil, M.Sc. (Homeland Security), Sem-2	Ms. Amruta Patil has shown remarkable performance during the Sports Week, 2023 and has won Gold Medals in the Sport of Table Tennis in all the three - Doubles, Mixed Doubles, and Singles –modes.
10	Ms. Sachidha Chaudhary, M.A. (Police & Security Studies), Sem-2	Ms. Sachidha Chaudhary won the Best Player of the Match trophy for her outstanding performance in the Cricket tournament of the Sports Week, 2023

Extension Activities:

Name of Faculty	Extension Activities
Air Commodore K.R. Thaakar, Dean, SPSSS 16 th September 2022	NFSU Team in London visited King's College London on 16 Sep 22. Air Commodore K.R. Thaakar held discussions with Prof Kim Wolff, Director of King's Forensics at its Waterloo Campus, and with Dr. Vinicius Carvalho, Head of International Relations & War Studies at the Strand Campus. The discussions focused on exploring potential avenues for collaboration and knowledge exchange between the two institutions.



Air Commodore K.R. Thaakar, Dean, SPSSS

16th September 2022

On 24 Nov 2022, Air Commodore Thaakar called on the Director General of Assam Rifles, Lt Gen PC Nair, YSM AVSM, at Shillong. During the meeting, he briefed the DG about the wide-ranging activities of NFSU and discussed possible areas of collaboration.



Special initiatives by the schools:

Speaker	Title of the Lecture	Brief about the Lecture
Mr. Avtar Singh, Head, Security, Vedanta 02 nd May 2022	Approaches to Industrial Security	Mr. Avtar Singh elucidated upon the various aspects of Industrial Security, best practices at Vedanta Aluminium, technology deployments and emerging trends in the industry. He also guided the aspiring security professionals on their approach to building a strong career in security.



<p>Shri NN Komar, IPS, ADGP (Law & Order) 13th January 2023</p>	<p>Exploitation of Technology in Policing</p>	<p>Mr. Komar discussed about the various initiatives being undertaken by his Dept. to adopt technology in certain police functions</p>
		
<p>Shri Sanjay Kundu, IPS, DGP (Himachal Pradesh) 19th January 2023</p>	<p>Novel Ways of making Investigation and conviction efficient</p>	<p>The talk focused on various administrative challenges faced by the DGP, the uniqueness of policing in a hill state, fears and concerns surrounding marijuana trade.</p>
		

Lecture Series by Adjunct Faculty Dr. Dalbir Ahlawat of Macquarie University, Sydney, Australia

06th to 10th February 2023

Talks Focused on Geopolitics

Spread over an entire week, Dr. Ahlawat expertly enunciated the current geopolitical concerns faced by India. He spoke on various topics such as QUAD, Indo- Pak relations, IR theory, Maritime Security, Indo-Pacific, Current situation in Afghanistan etc.



Dr. Sanjay Jha, Dean, School of National Security Studies, Central University of Gujarat

17th February 2023

Internal Security Issues of India

Dr. Jha spoke on the multi-faceted challenges faced by India in internal security. Various modules, strategies and ideology fomenting hatred against the Indian Republic were explained in detail. It was attended by students of SPSSS, School of Law and SBF.



Lecture Series by Shri K.C. Reddy,
IPS (Retd.)

27, 28, 29 March 2023

Ten Lectures spread over
three days.

The lectures touched upon various topics including Intelligence Bureau of India, Serial Blasts in Mumbai: An investigative account, Border Security Management in India, Hostage Crisis Management, Police Public Relations, NE Insurgency: Identity issues and Police Response



Visit by VIPs/Delegations/Guests etc.:

Air Commodore K.R. Thaakar, Dean, SPSSS and Mr. Keval Pandya, Lecturer, SPSSS conducted the visit of **Commandant, Corps of Military Police Centre & School, Brigadier Jose Abraham**, along with Lt Col. Krunal Tyagi to NFSU on 14th July, 2022. The team visited various training facilities and held discussions for collaboration in conducting the security-related training for the Military Police staff.



Mr. Sutinderjit Mahil, from the London Policing College, UK visited NFSU on 24th March 2022 and held discussions with Air Commodore K.R. Thaakar, Dean, SPSSS and Mr. Keval Pandya, Lecturer, SPSSS for exploring potential avenues for collaboration in the areas of Security & Policing.

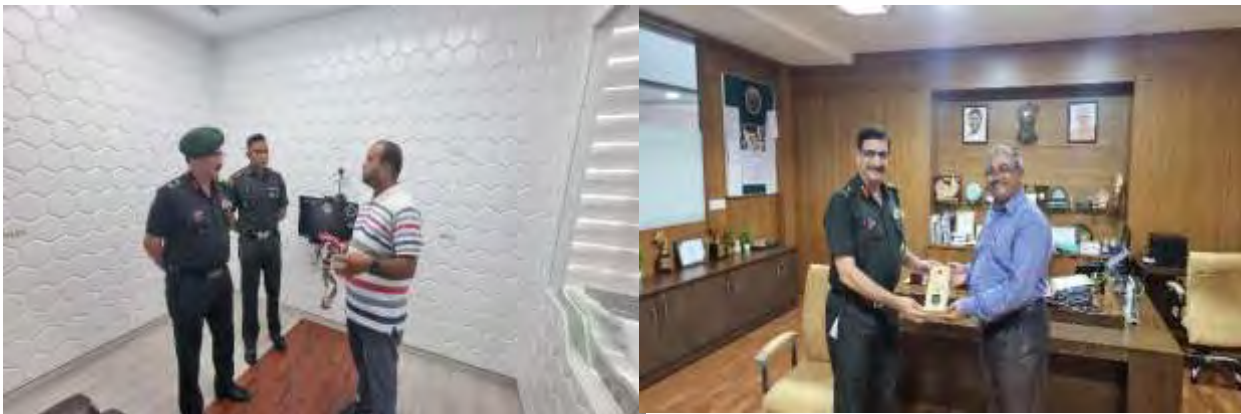


Air Marshal K Anantharaman, VSM, AOA of Indian Air Force visited #NFSU along with Air Commodore R. Kannan, VSM, Provost Marshal (Air) on 18th October 2022 during the DefExpo. They visited different facilities & held extensive discussion with Dr. J.M. Vyas, Vice Chancellor-NFSU related to National Security. Air Commodore K.R. Thaakar, Dean, SPSSS and Mr. Keval Pandya, Lecturer, SPSSS conducted the team's visit to NFSU.



Major Yashpal Singh Charan (Retd.), General Manager – Security, Reserve Bank of India, visited NFSU and met with Air Commodore K.R. Thaakar, Dean, SPSSS. Major Yashpal Singh discussed about the feasibility of conducting a training program for the Security Officers of RBI in the areas of Physical Security, Investigations, Basics of Cyber Security, Physical Security Risk Assessment and related topics. Subsequent to the meeting, 03 batches of around 25 security officers each have undergone training at NFSU's Gandhinagar campus in 2022-23.

Major General Gopal Verma, of the Military Intelligence Training School, Pune visited NFSU on 30th September 2022 to discuss the avenues for collaboration and training of Military officers in the field of Security, Intelligence & Forensics. Air Commodore K.R. Thaakar, Dean, SPSSS and Mr. Keval Pandya, Lecturer, SPSSS conducted the visit of Major General Verma to the various installations within the NFSU campus and briefed them on the capacities of the University.



Director of the National Police Academy, Hyderabad visited NFSU to discuss the conduct of specific training modules for the Indian Police Service Officers at NFSU. Air Commodore K.R. Thaakar, Dean, SPSSS gave the NFSU presentation and coordinated the Director's visit to the CoEs and Labs of NFSU highlighting the unique areas of expertise of NFSU wherein the Police Officers can be trained.



Flying Officer Nirmal Jit Singh Sekhon OVC, 6th Annual Memorial Lectures were organised by the Air Force Association –Gujarat at NFSU on 13th November 2022. Air Commodore K.R. Thaakar, Dean, SPSSS played a major role in organising the event and the students of School of Police Science & Security Studies interacted with the Chief Guest of the event, **Air Chief Marshal RKS Bhaduria, PVSM AVSM VM ADC, Ex Chief of IAF.**

School of Law, Forensic Justice and Policy Studies



About the School:

The School of Law, Forensic Justice and Policy Studies was established with the aim of imparting professional education with a special focus of forensic application in all allied areas of law and policy framework. The school aspires to be the leading provider of forensic justice understanding to all professionals from different areas of governance including justice administration. Through forensic lenses it focuses on crime prevention, crime reduction, crime mapping, speedy and fair dispensation of justice, thereby contributing to overall welfare of people. The school ultimately envision to produce sound techno-legal experts who can contribute in all areas of governance improving the efficiency leading to peace and happiness among the people through the highest index of Rule of Law and Justice.

List of Courses Offered:

Sr. No.	Program Name	Campus	Duration
1.	LL.M. (Cyber Law and Cyber Crime Investigation)	Gandhinagar	1 year
2.	LL.M. (Criminal Law and Criminal Justice Administration)	Gandhinagar	1 year
3.	B.Sc.; LL.B. (Hons.)	Gandhinagar	5 years
4.	LL.B. (Hons.)	Gandhinagar	3 years
5.	B.B.A.; LL.B. (Hons.)	Delhi	5 years
6.	PG Diploma in Cyber Laws	Gandhinagar	1 year
7.	PG Diploma in Drug & Substance Abuse Laws	Manipur	1 year

Faculty Members:

S. No	Faculty name	Designation	Qualifications	Specialisation/ Interest Area
1	Prof. (Dr.) Purvi Pokhariyal	Professor & Dean	LL.M. (Criminal Law) Ph.D. (Constitutional Law)	Criminal Justice Studies Criminal Justice Education
2	Dr. Tarkesh Molia	Associate Professor	Ph.D.	Constitutional Law, Human Rights, Criminal law
3	Dr. Navtika Singh Nautiyal	Assistant Professor	Ph.D. Pursuing Post doctorate	Law
4	Dr. Bishwa Kallyan Dash	Assistant Professor	Ph.D.	Environment Law, Cyber Law
5	Dr. Gaurav Jadhav	Assistant Professor	NET(JRF); Ph.D.	Criminal Law, Constitutional Law
6	Dr. Archana Patel	Assistant Professor	Ph.D., Post doc	Knowledge Representation, Ontological Engineering, Sematic Web
7	Dr. Deepak Mashru	Assistant Professor	M.Com, M.J.M.C., M.A.(English), B.Ed., Ph.D.	English Language Teaching, English Literature, Advanced Pedagogy, Discourse Analysis
8	Dr. Rajnikant Pandya	Assistant Professor	Ph.D. (Computer Science)	Data Mining
9	Ms. Mradul Singh	Teaching and Research Assistant	LL.M. (Criminal Law); Ph.D. (Ongoing)	Family Laws, Criminal Law, Alternate Dispute Resolution
10	Ms. Deepa Dubey	Teaching and Research Assistant	LL.M. (Constitutional & Administrative Law); Ph.D. (Pursuing)	Constitution & Environmental Law
11	Mr. Shubham Pandey	Teaching and Research Assistant	LL.M. (Hons.) Ph.D. (Ongoing)	Intellectual Property Law, Information Technology Law, Forensics & Law
12	Mr. Akhilendra Singh	Teaching and Research Assistant	LL.M. (Human Rights) Ph.D. pursuing	Human Rights
13	Ms. Parul Singh	Teaching and Research Assistant	LL.M. (Business Law)Ph.D. (Pursuing)	Health Law

Facilities (Infrastructural development):

1. Computer Lab- 45 computers
2. All classes quipped with audio visual communication devices
3. Smart podiums
4. Interactive boards
5. Multi-purpose audio visual conference room

Publications by the Faculty:

Research Papers:

1. Dr. Archana Patel, Title: Data Science with Semantic Technologies: Deployment & Exploration Publisher: Taylor & Francis, CRC Press
2. Ms. Mradul Singh- Published an article titled —Evaluating the Scope of Mediation in Criminal Trials in the Indian Journal of Integrated Research in Law, Volume II Issue III, ISSN: 2583-0538.
3. Dr. Deepak Mashru published Article titled —Inciting The FirstYear Undergraduate Students' Second Language Acquisition Through Plotagon Application in Journal Towards Excellence (An indexed refereed & peer-reviewed journal of higher education), UGC-Human Resource Development Centre Gujarat University ISSN: 0974-035X (UGC Care Listed)
4. Dr. Tarkesh Molia, Associate Professor, School of Law, Forensic Justice and Policy Studies, National Forensic Sciences University has published a research article on 'JUDGING THE FREEDOM OF RELIGION IN INDIA ON THE TOUCHSTONE OF DOCTRINE OF ESSENTIAL PRACTICE TEST' in XXII Issue Volume 8 of 'LAW AND WORLD' bearing <https://doi.org/10.36475/8.2.1>
5. Dr. Bishwa Kallyan Dash- Article titled —Doctrine of Pleasure and Civil Servants: An Analysis in the Light of Part XIV of Indian Constitution has been published in Bihar Journal of Public Administration, Vol XIX, No. 2S, July-December-2022, pp-58-64 (UGC Care)
6. Mr. Shubham Pandey- Integrating Forensic Techniques in Indian Criminal Justice System, Supreme Court Cases Online (SCC Online Blog, 10th December 2022)
7. Mr. Shubham Pandey- Issues of Rising Arrears and Pendency in Indian Judiciary: A Consequence of Non-Adherence to Policy Recommendation and Uninformed Policy Making, Supreme Court Cases Online (SCC Online Blog, 7th February 2023)
8. Mr. Shubham Pandey- Emerging Technologies and Law: Legal Status of Tackling Crimes Related to Deep Fakes in India, Supreme Court Cases Online (SCC Online Blog, 17th March 2023)

Books:

1. Ms. Deeba Dubey: Dubey, D., Singh, K., & Kumar, S. (Eds.). (2022). The Concept and Theories of Citizenship: Jurisprudential Aspect. In Immigration, Citizenship and Indian Laws: Domestic & International Perspective (pp. 79–90). Satyam Law International. (ISBN: 9789391345532).
2. Dr. Archana Patel, Chapter 12, Ontological Engineering: Research Directions and Real-Life Applications
3. Dr. Archana Patel, Chapter 14, Recommender System for E-commerce: How Ontologies Support Recommendations.
4. Dr. Bishwa Kallyan Dash- A chapter titled "The Data Protection and Privacy Regime in India: A Reality in the Horizon" got published in the Book India's Cyber Security: Challenges and Opportunities; published by Opus Publishers and Edited by Dr. Arun Kumar Dixit et al. December, 2022.
5. Dr. Bishwa Kallyan Dash- Article titled "Decoding Decentralized Cyber Governance in India: Blockchain Technology and the IT Act, 2000" published in the Book "Fundamental Rights, Technology and Education" published by Advanced Centre for Research, Development and Training in Cyber Laws and Forensics at the National Law School of India University, Bangalore with ISBN- 978-93-83363-78-0.

Research Projects:

Name of faculty	Title of project
Dr. Gaurav Jadhav	<ul style="list-style-type: none"> □ Amendment in Section 267 Criminal Procedure Code, 1973 to allow the production of the prisoners before Court through Video-Conferencing □ Bringing change to Sec. 299 and Sec. 357 of Criminal Procedure Code, to try persons by competent courts where the accused is absconding from ambits of law and also provide compensation to the victims of the process of the law upon the demise of the offender. □ Amendment and Revamping of the Poisons Act, 1919 – Preparation of Draft of Proposed new Bill of Poisons Act, 2023 □ Amendment in Section 293 Criminal Procedure Code, 1972 □ Amendments in Criminal Law, Additional Inputs of WS Division – Reg. □ Amendment in Section 25A Criminal Procedure Code, 1973 to obligate the State Governments to establish the Directorate of Prosecution
Ms. Mradul Singh	<ul style="list-style-type: none"> □ Amendment in Section 293 Criminal Procedure Code, 1973

Start-up initiatives by Faculty and students:

Name of faculty/ Student	Name of the Start-up	Area	Cost (INR)	Sponsoring Agency
Mr. Rohan Kumar Tolani & Mr. Ashwinee Singh	Vishodh	Legal Data Base	Rs. 2 Lakh	SSIP Cell, NFSU
Mr. Bhanu Tak	Nature Uncle	Hair Dyes	Rs. 3 Lakh	SSIP Cell, NFSU

Books:

1. Ms. Deeba Dubey: Dubey, D., Singh, K., & Kumar, S. (Eds.). (2022). The Concept and Theories of Citizenship: Jurisprudential Aspect. In Immigration, Citizenship and Indian Laws: Domestic & International Perspective (pp. 79–90). Satyam Law International. (ISBN: 9789391345532).
2. Dr. Archana Patel, Chapter 12, Ontological Engineering: Research Directions and Real-Life Applications
3. Dr. Archana Patel, Chapter 14, Recommender System for E-commerce: How Ontologies Support Recommendations.
4. Dr. Bishwa Kalyan Dash- A chapter titled "The Data Protection and Privacy Regime in India: A Reality in the Horizon" got published in the Book India's Cyber Security: Challenges and Opportunities; published by Opus Publishers and Edited by Dr. Arun Kumar Dixit et al. December, 2022.
5. Dr. Bishwa Kalyan Dash- Article titled "Decoding Decentralized Cyber Governance in India: Blockchain Technology and the IT Act, 2000" published in the Book "Fundamental Rights, Technology and Education" published by Advanced Centre for Research, Development and Training in Cyber Laws and Forensics at the National Law School of India University, Bangalore with ISBN- 978-93-83363-78-0.

Research projects:

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Dr. Gaurav Jadhav	<input type="checkbox"/> Amendment in Section 267 Criminal Procedure Code, 1973 to allow the production of the prisoners before Court through Video-Conferencing <input type="checkbox"/> Bringing change to Sec. 299 and Sec. 357 of Criminal Procedure Code, to try persons by competent courts where the accused is absconding from ambits of law and also provide compensation to the victims of the process of the law upon the demise of the offender. <input type="checkbox"/> Amendment and Revamping of the Poisons Act, 1919 – Preparation of Draft of Proposed new Bill of Poisons Act, 2023 <input type="checkbox"/> Amendment in Section 293 Criminal Procedure Code, 1972 <input type="checkbox"/> Amendments in Criminal Law, Additional Inputs of WS Division – Reg. <input type="checkbox"/> Amendment in Section 25A Criminal Procedure Code, 1973 to obligate the State Governments to establish the Directorate of Prosecution
Ms. Mradul Singh	<input type="checkbox"/> Amendment in Section 293 Criminal Procedure Code, 1973

Start-up initiatives by Faculty and students:

Name of faculty/ Student	Name of the Start-up	Area	Cost (INR)	Sponsoring Agency
Mr. Rohan Kumar Tolani & Mr. Ashwinee Singh	Vishodh	Legal Data Base	Rs. 2 Lakh	SSIP Cell, NFSU
Mr. Bhanu Tak	Nature Uncle	Hair Dyes	Rs. 3 Lakh	SSIP Cell, NFSU

Training received by Faculty and Staff members:

Name of faculty/ Staff	Brief Details of Training
Ms. Deepa Dubey	Capacity Building Programme by SLFJPS, NFSU
Dr. Gaurav Jadhav	Participated in One-Week Faculty Development Program organized at Rashtriya Raksha University, (INI) on Emerging Challenges on Criminal Justice System: Way Forward organized at School of Security, Law Enforcement and Criminal Justice
Dr. Rajnikant Pandya	—International Faculty development programme(FDP) on Data Analytics and Machine Learning□ Jointly Organized by Mizoram University and North-Eastern Hill University(Online Mode)
Ms. Mradul Singh	Capacity Building Programme on Forensic Justice by SLFJPS, NFSU
Dr. Navtika Singh Nautiyal	Participated in TOT at 11th GAJE-IJCLE-SAULCA Worldwide Conference on Justice Education: Building Resilience and Strong Connections at Stellenbosch University, South Africa
Dr. Tarkesh Molia	Participated in TOT at 11th GAJE-IJCLE-SAULCA Worldwide Conference on Justice Education: Building Resilience and Strong Connections at Stellenbosch University, South Africa

Conferences/ Workshops/ Seminars/ Webinars attended and Paper Presentation by faculty members:

Name of faculty/ Staff	Date	Particulars	Specification
Dr. Navtika Singh Nautiyal	April 5, 2022	Invited as Chair for the technical session at an NATIONAL CONFERENCE on GENDER JUSTICE: FOSTERING DIVERSITY, EQUITY AND INCLUSION Conference held on organised by SOL, Christ University, Ghaziabad, UP.	Resource Person
Dr. Navtika Singh Nautiyal	April, 24 2022	Delivered a lecture on 'Nuances of Cyber Crimes' organized by the Association of Indian Law Institute Alumni, New Delhi.	Resource Person
Dr. Navtika Singh Nautiyal	April 26-27, 2022	Delivered a keynote address on 'Family dispute and ADR Mechanism' along with the conference Chair in 2 days National Conference organized by Jyoti Vidyapeeth Women's University, Jaipur.	Resource Person
Dr. Navtika Singh Nautiyal	May 1, 2022	Delivered a lecture on 'Nuances of Cyber Crimes' Part-2 organized by the Association of Indian Law Institute Alumni, New Delhi	Resource Person
Dr. Navtika Singh Nautiyal	May 8, 2022	Invited as a Guest Speaker to deliver a webinar on 'Forms of Cyber Crime' organised by ABHAV Foundation	Resource Person

Name of faculty/ Staff	Date	Particulars	Specification
Dr. Rajnikant Pandya	May 9-10, 2022	Two day Webinar on satellite / farming organized by NAHEP-CAAST, Anand Agriculture University, Anand	Participation
Dr. Navtika Singh Nautiyal	May 21-22, 2022	Invited as a Guest Speaker to deliver a talk on 'Issues and Challenges of Forensic Science' in a Virtual International Conclave, organised by Law Colloquy	Resource Person
Dr. Navtika Singh Nautiyal	June 25, 2022	Participated in a seminar on 'Anti Human Trafficking Awareness' organized by National Commission for Women in collaboration with Bureau of Police Research and Development he	Participation
Dr. Navtika Singh Nautiyal	July 15, 2022	Invited as a resource person to deliver a lecture on Ethics in Research Paper Writing' in an Refresher Course organized by UGC-HRDC Centre of Ranchi University	Resource Person
Dr. Navtika Singh Nautiyal	July 24, 2022	Invited as a resource person to deliver a lecture on Research Project: Steps and Style in Writing Proposal and selecting Agency for Legal Research' in an FDP organized by the Amity Law School, Amity University, MP,	Resource Person
Dr. Navtika Singh Nautiyal	August 20, 2022	Invited as a resource person to deliver a lecture on Research, Publication & Ethics' in an FDP organized by the Research & Development cell of ICFAI UNIVERSITY TRIPURA	Resource Person
Dr. Navtika Singh Nautiyal	August 25, 2022	Invited as a resource person to deliver a lecture on Research Project Selection to Preparation' in an FDP organized by the Department of Legal Science, Techno India University	Resource Person
Dr. Navtika Singh Nautiyal	September 7-8, 2022	Invited as a session Chair for the technical session at the Trans-disciplinary International Conference on The Coherence of Global Sustainability : A Way Forward organized by Amity Law School, Amity University, Noida	Resource Person
Dr. Navtika Singh Nautiyal	September 9-11, 2022	Presented her research paper titled Right to be Forgotten: They too matter' in the 3 Day International Conference on Legal Contours of Victimology: Theory and Practice, organised by organized by ICFAI Law School, IFHE Hyderabad in collaboration with Indian Society of Victimology	Paper presentation

Name of faculty/ Staff	Date	Particulars	Specification
Dr. Navtika Singh Nautiyal	September 27-28, 2022	Presented her research paper titled Imparting Justice Education through different Centre's in 2 days organized Regional Conclave on Justice Education in Asia organised by Bharati Vidyapeeth (Deemed to be University), New Law College, Pune	Paper presentation
Ms. Mradul Singh	September 27-28, 2022	Presented research paper titled Imparting Justice Education through different Centre's in 2 days organized Regional Conclave on Justice Education in Asia organised by Bharati Vidyapeeth (Deemed to be University), New Law College, Pune	Paper presentation
Dr. Tarke sh Molia	September 27-28, 2022	Presented research paper titled Imparting Justice Education through different Centre's in 2 days organized Regional Conclave on Justice Education in Asia organised by Bharati Vidyapeeth (Deemed to be University), New Law College, Pune	Paper presentation
Dr. Navtika Singh Nautiyal	September 30, 2022	Delivered her talk in the 'State Level Pro Bono Clubs Meet' organized by Department of Justice along with Probono Clubs	Resource Person
Dr. Navtika Singh Nautiyal	October 13-14, 2022	presented her research paper titled 'Land Records Digitization: Weather Technology a solution to this age-old problem' in National Conference on Land Laws and Land Planning: Revisiting India's Land Utilization Policies and Legislation organized by Gujarat National Law, Gujarat	Paper presentation
Dr. Navtika Singh Nautiyal	October 28, 2022	Delivered an address on 'Understanding Cyber Crimes against Women and Children' in 11th National Webinar on "Cyber Crimes in India" organized by Department of Justice on	Resource Person
Dr. Navtika Singh Nautiyal	October 29-30, 2022	invited to moderate a Panel Discussion on the theme "Dimensional Analysis of Increasing use of technology and Suggestions to Strengthen measures for Cyber Security" and Chair a Technical Session at the World Cyber Summit organized by knowledge Steez and Maharishi University of Information Technology	Resource Person
Dr. Navtika Singh Nautiyal	November 3-5, 2022	Presented a Research paper on –Virtual Sexual Assault: A Dark Side of Digital World' at 8th International & 12th Biennial Conference of the Indian Society of Victimology on Securing Justice to Victims of Crime organized by RGNUL, Punjab	Paper presentation

Name of faculty/ Staff	Date	Particulars	Specification
Dr. Navtika Singh Nautiyal	November 24, 2022	Delivered a talk on "Consumer Dispute Redressal Agencies" in National Seminar organised by Marathwada Mitra Mandal's Shankarrao Chavan Law College, Pune in association with Navjeevan Law College, Nashik and Consumer Advocacy Group, Hyderabad	Resource Person
Dr. Navtika Singh Nautiyal	November 25, 2022	Invited to deliver a talk on 'Cyber Crimes against Women & Children' on 3rd Annual Conference to celebrate International Day for the Elimination of Violence against Women organized by Nelson Mandela University, South Africa	Resource Person
Dr. Navtika Singh Nautiyal	December 12-15, 2022	Presented a paper title Building capacity for Law Teachers and Students through Forensic Justice Education at 11th GAJE-IJCLE-SAULCA Worldwide Conference on Justice Education: Building Resilience and Strong Connections at Stellenbosch University from, South Africa	Paper Presentation
Dr. Tarkesh Molia	December 12-15, 2022	Presented a paper titled Building capacity for Law Teachers and Students through Forensic Justice Education at 11th GAJE-IJCLE-SAULCA Worldwide Conference on Justice Education: Building Resilience and Strong Connections at Stellenbosch University from, South Africa	Paper Presentation
Dr. Navtika Singh Nautiyal	8th January, 2023	Invited as a Resource Person at the "International Conference on Law, Science & Technology, 2023" organized by Knowledge Steez Edu HUB LLP in collaboration with Universiti Pendidikan Sultan Idris, Malaysia	Resource Person
Dr. Navtika Singh Nautiyal	January 11, 2023	Invited as a resource person to deliver two sessions in Training Programme on Online Child Abuse and Cyber Crime for the officers of Tanzania under ITEC Scheme on J	Resource Person
Dr. Rajnikant Pandya	January 28-29, 2023	National conference on "Recent trends on applied statistics & data Science" in the memory of 100th birthday of Prof. M.N. Das organized by P.C. Mahalanobis Dept. of Statistics, Saurashtra University, Rajkot	Participation
Dr. Navtika Singh Nautiyal	February 2-4th, 2023	Presented a paper in the 25th All India Forensic Science Conference 2023 conducted under the auspices of Ministry of Home affairs, GOI and organized by NFSU, Gujarat.	Resource Person

Name of faculty/ Staff	Date	Particulars	Specification
Dr. Navtika Singh Nautiyal	Feb 3, 2023	Invited to deliver an expert session in the Faculty Development Program on Standard Formats of Re search (Paper Writing and book writing) organized by Career Point University Hamirpur	Resource Person
Dr. Navtika Singh Nautiyal	February 5-6, 2023	Participated in the International Conclave on Futuristic Approach of Forensic Psychology in Business Intelligence and Entrepreneurship on organized by School of Behavioural Forensics, NFSU.	Participation
Ms. Mradul Singh	February 5-6, 2023	Participated in the International Conclave on "Futuristic Approach of Forensic Psychology in Business Intelligence and Entrepreneurship' organized by the School of Behavioural Forensics, NFSU	Participation
Dr. Navtika Singh Nautiyal	Feb 7, 2023,	Invited to moderate a session in the Regional Conclave on 'Justice Education in Asia Building Networks for Social Justice' organized by Global Alliance for Justice Education (GAJE) and Bharti Vidhyapeeth, Pune	Resource Person
Dr. Navtika Singh Nautiyal	Feb 11, 2023	Invited judge the Asia Pacific vis Pre Moot organized by Organised by Association for the Organisation and Promotion of the Willem C. Vis International Commercial Arbitration Moot and Twentieth Annual Willem C. Vis (East) International Commercial Arbitration Moot Hong Kong	Judge
Mr. Shubham Pandey	February 24- 26, 2023	3rd Symposium on Artificial Intelligence and Law (SAIL) Organized by IIIT Hyderabad, IIT Kharagpur & IISER Kolkata, India	Special Guest Invite to the Conference by Organizers
Dr. Gaurav Jadhav	March 11, 2023	Delivered 2 Hours Expert Lecture on The Paradigm Shift in Criminal Investigation: A Forensic Evidence Perspectives in India, on at Department of Law, Vishwakarma University, Pune Maharashtra.	Resource Person
Dr. Navtika Singh Nautiyal	March 17-18, 2023	Invited to chair a session in International Symposium on Remaking Criminology: Contemporary Insights for the Criminal Justice System to be organized on 17th-18th March 2023 by DME Law School, Noida	Resource Person

International and National collaborations:

Sr. No.	Name of the Parties	Brief Description of the MoU	Financial stake, if any
1.	SICI Shartri Indo Canadian Institute & NFSU	International Workshop on Cyber Security and law	Received Grant of Rs. 2.50 Lakh

Webinar Conducted:

Sr. No.	Particulars of the Webinar	No. of Participants	Details of the Faculty member
1.	"Demonstration of Legit Quest: Artificial Intelligence Based Research Tool" on June 3, 2022	54	Mr. Shubham Pandey
2.	"Demonstration of Presolv360: An Online Dispute Resolution Platform" on June 10, 2022.	45	Mr. Shubham Pandey
3.	"Demonstration of Spot draft: Automated Contract Drafting and Management" on June 17, 2022	63	Mr. Shubham Pandey
4.	Emerging Career Opportunities in Legal Field in the 21st Century January 6, 2022	51	Ms. Deepa Dubey & Ms. Parul Singh
5.	Webinar on "Know NFSU Law School (NLS)" January 19, 2022	55	Ms. Deepa Dubey & Ms. Parul Singh

Extension Activities:

Name of faculty	Extension Activities
Prof. (Dr.) Purvi Pokhariyal	<p>Resource person to deliver a lecture on Cyber Law and Cyber-crimes in Criminal Justice Administration to the Senior Chief Judicial Magistrates of Gujarat at the Gujarat State Judicial Academy on October 11, 2022</p> <p>Expert Trainer for the Judicial Officers of Bangladesh on the theme "Forensic Evidence in Civil and Criminal Trials: DNA Profiling" at the National Judicial Academy, India on October 19, 2022</p> <p>Special Invitee on the Workshop on Human Trafficking at National Crime Records Bureau on November 3, 2022</p> <p>Speaker, 8th International and 12th Biennial Conference of the Indian Society of Victimology on "Securing Justice for Victims of Crime" organized by the Rajiv Gandhi National University of Law, Punjab from November 3-5, 2022</p>
	<p>Chair, 43rd All India Criminology Conference on Reimagining Criminology and Criminal Justice in the Context of Changing Paradigm of Science and Technology organized by the West Bengal National University of Juridical Sciences (NUJS), Kolkata in collaboration with The Indian Society of Criminology (ISC) on December 17-19, 2022</p> <p>Chief Guest at the Training Program on Analytical Techniques' at Gujarat Biotechnology Research Centre, Gandhinagar on January 20, 2023</p> <p>Special Invite at the Tashkent International Cyber Law at TSUL: "Legal Tech Education, Digital Transformation of Law" at Tashkent State University of Law on February 20-21, 2023 Guest Speaker in Expert Lecture Series on Forensic Evidence: Building Capacity for Professionals' organized by the Rajiv Gandhi School of Intellectual Property Law, Indian Institute of Technology, Kharagpur on March 10, 2023</p>
Ms. Mradul Singh	Invited as an Expert to suggest changes in the Nari Gaurav Niti 2006 of the Government of Gujarat organized by the Gender Resource Centre of the Women and Child Development, Government of Gujarat on October 10, 2022

Name of faculty	Extension Activities
Dr. Bishwa Kallyan Dash	<p>Resource person to deliver a lecture on Cyber Law and Cyber crimes in Criminal Justice Administration to the Senior Chief Judicial Magistrates of Gujarat at the Gujarat State Judicial Academy from October 14-19, 2022</p> <p>Invited as a Judge at the Golden Jubilee Moot Court Competition 2022 organized by Department of Law, Burdwan University on the November 12, 2022</p> <p>Invited to Co-Chair a session on Artificial Intelligence and Intellectual Property Rights at the Two-Day International e-Conference on Artificial Intelligence and Law organized by Rajiv Gandhi National Cyber Law Centre, NLIU, Bhopal on the November 17, 2022</p> <p>Invited to Judge the Semi-Final Rounds of "UNIVERSITY LAW COLLEGE NATIONAL MOOT COURT COMPETITION- 2022" organized by the University Law College, Utkal University on the November 20, 2022</p> <p>Invited to Deliver a lecture at the National Seminar on India's Cyber Security: Challenges and Opportunities on the December 10, 2022 organized by DAV College, Kanpur and sponsored by Indian Council for Social Science Research, New Delhi</p> <p>Invited to deliver a lecture for the Online Advanced Certificate Program in Medical Law, Clinical Research and Bioethics offered at Prof N. R. Madhava Menon Interdisciplinary Centre for Research Ethics and Protocols (ICREP), CUSAT on the December 15, 2022</p>
Dr. Bishwa Kallyan Dash	<p>Dr. Bishwa Kallyan Dash was reviewer in "International Conference on Information Security, Privacy and Digital Forensics (ICISPD 2022)" held during December 2-3, 2022 organized by NFSU-Gandhinagar, SVNIT-Surat and BITS-Goa</p> <p>Invited as the Chairperson to the Two-Day National Conference on Human Rights of Slum Dwellers and Forced Eviction: A Legal organized by CEERA-NLSIU on the December 15, 2022</p> <p>Invited as a recourse person to deliver a lecture on "Legal regulation of Medical and Paramedical Services" to the students of Advanced Certificate Program in Medical Law, Clinical Research and Bioethics conducted by the Prof. N R Madhava Menon Interdisciplinary Centre for Research Ethics and Protocols on December 15, 2023</p> <p>Invited as a Resource Person to the "Two Day International Conference on Self-reliance in Trade and Development: Redefining the contours of Law and Policy" held on January 20-21, 2023 at NLSIU-Bengaluru and Organized by CEERA-NLSIU in Association with ICSSR-New Delhi</p> <p>Invited as a resource person to the National Conference on Gender Equality, Social Justice and the Role of Civil Society organized by the University Law College, Utkal University, Odisha on the March 11, 2023</p> <p>Judged the Western Regional Pro Bono Conclave held on March 17, 2023 organized by Pro Bono Club, School of Law Forensic Justice & Policy Studies; National Forensic Sciences University, Gandhinagar, Gujarat</p>

Special initiatives by the school:

S. No	Initiatives
1	Distinguished talk on 'Drone Regulations' by international expert Professor Ricky Lee on April 13, 2022
2	One-Day Workshop on Legal Startups by Dr. Kalpesh K. Gupta on April 19, 2022
3	Distinguished talk of Justice Subodh Shah on April 20, 2022
4	Organized National Level Debate Competition in form of Model United Nations April 23-24, 2022

S. No	Initiatives
5	Drafting and Reviewing Commercial Contracts by Mr. Bhumes Verma from April 25 -26, 2022
6	Online Panel Discussion on 'Technology for Law Enforcement' on April 29, 2022
7	Distinguished Talk 'CYBER SECURITY: NO MORE TOMORROW' by Mr. Sunny Vaghela on May 19, 2022
8	Two-Day Soft Skill Building Workshop by Mr. Milind Antani on July 15 -16, 2022
9	The National Forensic Sciences University organized Western Regional Consultation in association with the National Commission for Women to "Review of the Family Courts Act, 1984 on July 25, 2022
10	Organized Five Day Capacity Building Programme on Forensic Justice, July 26-30, 2022
11	Workshop on Mooting Skills by Dr. Girish R., G.N.L.U. on September 21, 2022
12	Workshop on 'Legal Research: Navigating Manupatra' By Mr. Chintansinh Jadeja on September 21, 2022
13	Social and Legal Awareness at Indroda, October 2, 2022
14	Workshop on Oral Mooting Skills by Advocate Vishal Singhal on October 6-7, 2022
15	Workshop by Jurist Dr. Srikant Parthasarathy, PhD -USA, Ox Mentor, Hague Academy on 'LEGAL ENTREPRENEURSHIP IN MARKET' on October 16, 2022
16	Organised Legal Hackathon: A State Level Business Plan Competition on Legal Innovation & Legal Start-ups on October 16, 2022
17	Negotiating Techniques Workshop by Dr. Shalini S. on October 17, 2022
18	Session On 'Guidelines For LL.M. Study in Abroad' by Ms. Priyanshi Joshi On November 9, 2022
19	Expert Session By Prof. DR. A. NAGARATHNA on 'CYBER LAWS' on November 16, 2022
20	Organised National Workshop and 1st N.F.S.U. Competition on Crime Scene Investigation, November 22-23, 2022
21	Celebration of Constitution Day on November 24, 2022
22	Door to Door Social and Legal Awareness at Indroda, November 26, 2022
23	Distinguished talk on 'Data science in the context of big data and optimization' by Dr. Srikrishnan Divakaran on November 30, 2022
24	Workshop on Mooting Techniques by Mr. Saunak Kumar Rajguru, Attorney, J. Sagar Associates on December 6, 2022
25	Door to Door Social and Legal Awareness at Indroda, December 10, 2022
26	Organised GLOBAL LEARNING WEEK: EDITION II from February 2-9, 2023
27	One day workshop on "Data Analytics Using Python" on February 16, 2023
28	Poster making competition and Discussion on Social Forensic Justice on February 22, 2023
29	Educational Trip for the students of LL.B. (Hons.) to Delhi on visits of Parliament, Supreme Court, NHRC from March 9-11, 2023
30	Organized Workshop on POCSO by Dr. Shekhar Seshadri on March 15, 2023
31	Expert Talk on Offence of Culpable Homicide and Murder under IPC by Prof. (Dr.) Mehraj -ud-in Mir on March 15, 2023
32	Expert Lecture on "Approaching LLM Dissertation" by Dr. Arvind Tiwari, TISS on March 15, 2023
33	Organized International Workshop on Cyber Security and Law on March 22, 2023

S. No	Initiatives
34	Expert Lecture by Hon'ble Dr. Justice Ashok Kumar C. Joshi on March 23, 2023 -
35	Organized 1st NFSU National Technological Moot Court Competition on March 24-26, 2023
36	Expert Lecture on "Criminal Justice Administration in reference to hit and run cases with special reference to drug scenario" by Prof. Dr. Hemanta Pratihari, Campus Director, Tripura Campus, NFSU on March 28, 2023
37	Expert Lecture by Mr. Jeet Bhatt, Advocate, Gujarat High Court on March 30, 2023

Visit by VIPs/Delegations/Guests etc.:

- > Mr. Shubham Pandey - Hosted Dr. Srikant Parthasarthy at NFSU for Legal Hackathon
- > Ms. Mradul Singh- Hosted Prof. Stephen Barnes, Prof. Charles Howland, Prof. Dr. John Winterdyk during February 2-9, 2023 during their visit to NFSU.

Miscellaneous:

Ms. Deepa Dubey	Coordinated 15 Hour Course on Contract Drafting and Negotiation Skills by Mr. Bhumes Verma, April 2-4, 2023
Mr. Shubham Pandey	Conducted Career Counselling Session for Students of SLFJPS, NFSU- Justice Ashok Kumar C Joshi (Retd. Judge HC Gujarat) March 24, 2023
Dr. Gaurav Jadhav	<ul style="list-style-type: none"> • Faculty Convener of the —Legal Hackathon: National Business Plan Competition On Legal Innovation and Legal Start-ups, held on 16th October 2022 (16/10/2022) at, School of Law, Forensic Justice and Policy Studies, NFSU, Gandhinagar • National Workshop and 1st NFSU Competition on Crime Scene Investigation (23/11/2022) – Worked as a Faculty Coordinator) • Law Day Celebration Programme (26/11/2022) _ Worked as Faculty Coordinator for Elocution Competition.
Ms. Mradul Singh	<ul style="list-style-type: none"> • Rapporteur at the Western Regional Consultation to —Review the Family Courts Act, 1984 in collaboration with the National Commission for Women, July 25, 2022 • Coordinator, National Workshop & 1st NFSU Competition of Crime Scene Investigation from November 21 – 22, 2022 • Faculty Coordinator, Law Day Celebration Programme for Quiz Competition, November 26, 2022 • Faculty Coordinator, Global Learning Week: Edition II, Feb 5-9, 2023 at SLFJPS, NFSU • Faculty Co-Coordinator, 1st NFSU National Moot Court Competition, March 24-26, 2023
Mr. Akhilendra Singh	<ul style="list-style-type: none"> • Faculty Coordinator, International Workshop on Cyber Security and Law, March 22, 2023

School of Pharmacy



About the School:

The School of Pharmacy at National Forensic Sciences University provides highly diverse and sophisticated courses in the fields of Pharmacy, Environmental Science, Chemistry, and Industrial Safety. The academic programs running at School of Pharmacy are M.Pharm Forensic Pharmacy, M.Pharm. Pharmaceutical Quality Assurance (PCI Approved), M.Sc. Chemistry, M.Sc. Environmental Science, M.Sc. Pharmaceutical Chemistry. From the academic year 2022-23, the school has started a new academic program of PG Diploma in Industrial Safety, Hygiene and Environmental Management. From the Academic year, the school has proposed to start academic programs of M. Pharm Forensic Pharmacy and M.Sc. Environmental Science at Dharwad campus of NFSU.

The School has an excellent team of faculty members with a tremendous academic and research record. The school is well equipped with state-of-the-art laboratory facilities along with cutting-edge modern instruments, which play a pivotal role in providing practical knowledge to the students, in addition to the theoretical knowledge imparted to them by our faculties. The students here are actively engaged in different projects under the expert guidance of our highly trained and skilled faculty members.

Objectives behind the programs offered:

- To impart knowledge in Pharmacy, Environmental Science and Chemistry for application in Forensic Science, Crime Investigation and allied sciences.
- To develop the skills of students in basic and applied fields related to Forensic Science, thereby leading them towards professionalism and leadership.
- To provide hands-on training and practical knowledge to students and develop them to carry out independent research projects in emerging areas of Forensic Science and Justice Delivery System.
- To nurture the students so that they can utilize the skills learnt in this School in various industries as well as academia.

List of Programs offered:

Sr. No.	Program Name	Campus	Duration
1	M. Pharm. Forensic Pharmacy	Gandhinagar Dharwad	2 Years (4 Semesters)
2	M. Pharm. Pharmaceutical Quality Assurance (PCI Approved)	Gandhinagar	2 Years (4 Semesters)
3	M. Sc. Chemistry (Specialization in Forensic Analytical Chemistry)	Gandhinagar	2 Years (4 Semesters)
4	M. Sc. Environmental Science (Specialization in Environmental Forensics)	Gandhinagar Dharwad	2 Years (4 Semesters)
5	M.Sc. Pharmaceutical Chemistry	Gandhinagar	2 Years (4 Semesters)
6	PG Diploma in Industrial Safety, Hygiene, and Environmental Management with Specialization in Forensic Incidence Investigation	Gandhinagar	1 Year (2 Semesters)

Faculty Members:

S.No	Faculty Name	Designation	Qualifications	Specialization/
1	Prof. (Dr.) Manjunath Ghate	Dean	B. Pharm., M. Pharm., Ph.D.	Pharmacy
2	Dr. Deepak Rawtani	Associate Professor	M.E., Ph. D.	Nano-biotechnology
3	Dr. Prajesh Prajapati	Assistant Professor	M. Pharm., Ph.D.	Pharmacy
4	Dr. Jasmin Kubavat	Assistant Professor	M. Pharm., Ph.D.	Pharmacy
5	Dr. Hemen Dave	Assistant Professor	M.Sc. Environmental Science, Ph.D.	Environmental Science
6	Dr. Mahesh Vasava	Assistant Professor	M.Sc., Ph.D., GSET (Chemical Science)	Chemistry
7	Dr. Deep Pooja	Assistant Professor	M.Pharm., Ph.D.	Pharmacy
8	Dr. Madhu Anand	Assistant Professor	M.Sc. NET-UGC Ph.D. Post.Doc	Environment Toxicology, Forensic Science
9	Dr. Shweta Sharma	Assistant Professor	B. Pharm., M. Pharm., Ph.D.	Chemistry, bioinformatics
10	Dr. Maithri Tharmavaram	Teaching and Research Assistant	B. Tech., M.S., Ph.D.	Bioinformatics, Nano-biotechnology
11	Ms. Riddhi Trivedi	Teaching and Research Assistant	Ph.D. (Pharmacy)	Pharmacy
12	Ms. Garvita Parikh	Teaching and Research Assistant	M.Sc., Ph.D. (Pursuing)	Environmental Science

Publications:

Research Papers.

1. Purohit SJ, Tharmavaram M, Rawtani D, Prajapati P, Pandya H, Dey A. (2022) Niosomes as cutting edge nanocarrier for controlled and targeted delivery of essential oils and biomolecules, Journal of Drug Delivery Science and Technology, 103438.
2. Trivedi R, Prajapati P. (2022) Nanocellulose in packaging industry, Nanocellulose Materials, 43-66.
3. Raval J, Trivedi R, Suman S, Kukrety A, Prajapati P. (2022) Nano-biotechnology and its innovative perspective in diabetes management. Mini Reviews in Medicinal Chemistry 22 (1), 89-114.

4. Jangid AK, Solanki R, Patel S, Medicherla K, Pooja D, Kulhari H. (2022) Genistein encapsulated inulin-stearic acid bioconjugate nanoparticles: Formulation development, characterization, and anticancer activity. *International Journal of Biological Macromolecules* 206, 213-221. (IF: 8.025).
5. Jangid AK, Patel K, Joshi U, Patel S, Singh A, Pooja D, Saharan VA, Kulhari H. (2022) PEGylated G4 Dendrimers as a Promising Nanocarrier for Piperlongumine Delivery: Synthesis, Characterization, and Anticancer Activity. *European Polymer Journal* 179, 111547. (IF: 5.546).
6. Tunki L, Ganthala PD, Pooja D, Andugulapati SB, Kulhari H, Sistla R, Bhargava SK. (2022) Ameliorating the antitumor activity of gemcitabine against breast tumor using $\alpha\beta 3$ integrin-targeting lipidnanoparticles. *Drug Development and Industrial Pharmacy* 1-16. (IF: 3.727).
7. Jangid AK, Solanki R, Patel S, Medicherla K, Pooja D, Kulhari H. (2022) Improving Anticancer Activity of Chrysin using Tumor Microenvironment pH-Responsive and Self-Assembled Nanoparticles. *ACS Omega* 7 (18), 15919-15928. (IF: 3.512)
8. Agarwal. P, Anand. M, Chakraborty. P, Singh. L, Masih. J, Taneja. A. (2022) Placental Levels of Polycyclic Aromatic Hydrocarbons (PAHs) and Their Association with Birth Weight of Infants. *Drug and Chemical Toxicology*. Vol 45 Issue 2 page 868-877 (I.F 3.35)
9. Parikh, G., Parikh, B., Natu, A. Rawtani, D. (2022). Uses of nanocellulose in the environment industry. In *Nanocellulose Materials* pp. 157-178. Elsevier.
10. Dube S., Rawtani D., Khatri N., Parikh, G. (2022). A deep delve into the chemistry and biocompatibility of halloysite nanotubes: A new perspective on an idiosyncratic nanocarrier for delivering drugs and biologics. *Advances in Colloid and Interface Science*, 102776.
11. Parikh G., Rawtani, D. (2022). Environmental impact of COVID-19. In *COVID-19 in the Environment*. 203-216. Elsevier.
12. Saadat, S., Rawtani, D., Parikh, G. (2022). Clay minerals-based drug delivery systems for anti-tuberculosis drugs. *Journal of Drug Delivery, Science and Technology*, 103755
13. Pandey G., Tharmavaram M., Khatri N., Rawtani, D. (2022). Mesoporous halloysite nanotubes as nano-support system for cationic dyes: An equilibrium, kinetic and thermodynamic study for latent fingerprinting. *Microporous and Mesoporous Materials*, 346, 112288.
14. Pandey, G., Tharmavaram, M., Phadke, G., Rawtani, D., Ranjan, M., & Sooraj, K. P. (2022). Silanized halloysite nanotubes as 'nano-platform' for the complexation and removal of Fe (II) and Fe (III) ions from aqueous environment. *Separation and Purification Technology*, 293, 121141.
15. Satish S, Dey A, Tharmavaram, M., Khatri N., & Rawtani, D. (2022). Risk assessment of selected pharmaceuticals on wildlife with nanomaterials based aptasensors. *Science of the Total Environment*, 836, 155622.
16. Anil Kavadi, Kajal Patel, Prasenjit Maity, Jasmin Kubavat & Sagar Bhowmik "Luminescence Detection of Fluoroquinolone Antibiotic Contamination in Raw Milk Samples by Lanthanide Probes and its Validation with LC-MS/MS Technique" *Journal of Food Chemistry; Nanotechnology*. 8 (3) 2022.
17. Rathore, V., Pandey, A., Patel, S., Savjani, J., Butani, S., Dave, H., & Nema, S. K. (2022, October 17). APS -64th Annual Meeting of the APS Division of Plasma Physics—Event—Antibiotic and anticancer drug degradation in artificial wastewater using non-thermal pencil plasma jet. *Bulletin of the American Physical Society*. 64th Annual Meeting of the APS Division of Plasma Physics, Washington.
18. Singh, K., Azad, S. K., Dave, H., Prasad, B., Maurya, D. M., Kumari, M., Dubey, D., Rai, A. K., Singh, D., Sillanpää, M., Sah, M. P., & Prasad, K. S. (2022). A mechanistic insight into chromium (VI) ion adsorption onto pristine, UCB as well as Al-modified Neolamarckiacadamba wood biochar, MCB. *Biomass Conversion and Biorefinery*.
19. Kubavat J., Sarvaiya JR, Tyagi T, Banerjee S., Aggarwal P. Development of Levan capped silver nanoparticles-based product and its effect on wound healing. *BurnsOpen*. 7(1) 2023.
20. Tharmavaram, M., Pandey, G., Khatri N., Rawtani, D. (2023). L-arginine-grafted halloysite nanotubes as a sustainable excipient for antifouling composite coating. *Materials Chemistry and Physics*, 293, 126937.
21. Pandey, G., Tharmavaram M., Khatri N., Rawtani, D. (2023). Halloysite nanotubes as nano-support matrix to tailor cellulase and acetylcholinesterase-based 'nano-biocatalysts' for waste degradation and electrochemical sensing. *Applied Clay Science*, 234, 106852.
22. Muralikrishnan A., Kubavat J., Vasava M., Jupudi S. Biju, N. (2023). Investigation of Anti-SARS COV-2 activity of some Tetrahydro curcumin derivatives: An in silico study. *Int J App Pharm*, 15(1), 333-339
23. Rai DB, Medicherla K, Pooja D, Kulhari H. (2023) Dendrimer-Mediated Delivery of Anticancer Drugs for Colon Cancer Treatment. *Pharmaceutics* 15 (3), 801. (IF: 6.525).
24. Banerjee S, Banerjee D, Singh A, Kumar S, Pooja D, Ram V, Kulhari H, VA Saharan. (2023) A Clinical Insight on New Discovered Molecules and Repurposed Drugs for the Treatment of COVID-19. *Vaccines* 11 (2), 332. (IF: 4.961).
25. M Jadav, D Pooja, DJ Adams, H Kulhari. *Advances in Xanthan Gum-Based Systems for the Delivery of DB Therapeutic Agents*. *Pharmaceutics* 15 (2), 402. (IF: 6.525).
26. Jangid AK, Solanki R, Jadav M, Bora S, Patel S, Pooja D, Kulhari H. (2023) Phenyl boronic acid-PEG-stearic acid biomaterial-based and sialic acid targeted nanomicelles for colon cancer treatment. *Colloids and Surfaces A: Physicochemical and Engineering Aspects* 656, 130445. (IF: 5.518).
27. Srivastava, A., Azad, S. K., Singh, K., Prasad, B., Kumari, M., Nandan, Sahoo, A. K., Dave, H., Maurya, D. M., Singh, D., & Prasad, K. S. (2023). Arsenite and arsenate ions adsorption onto a biogenic nano-iron entrapped dual network Fe@alginate- κ -carrageenan hydrogel beads. *Nanotechnology for Environmental Engineering*, 8(1), 269-279
28. Vajpayee, M., Singh, M., Dave, H., & Ledwani, L. (2023). Enzymatic surface modification of banana fabric with cellulase: Characterization and antimicrobial finishing with plant extracts. *Industrial Crops and Products*, 191, 115895.
29. Pandey, A., Patel, S., & Dave, H. (2023). Degradation and removal of aromatic organoarsenic compounds through green synthesized nanoparticles. *ASPIRE- Arts & Science Publication In Research In-House Journal*, 5, ISSN: 2229-495.
30. Sharma S, Rehman HM, Sharma K, Singh RK, Alam MM, Shaquiquzaman MM, Ali S, Akhter M. (2023) Pyrazoline scaffold: Hit identification to lead synthesis and biological evaluation as Antidiabetic agents. *Future Medicinal Chemistry*. Impact factor- 4.767.
31. Patgar DN, Batakurki SR, Kusanur R, Ghate M (2023) Synthesis, antioxidant and anti-diabetic potential of novel benzimidazole substituted coumarin-3-carboxamides, *Journal of Molecular Structure*, 1274, 134589.
32. Sharma M., Vyas VK, Bhatt S, Ghate M. (2022) Therapeutic potential of 4-substituted coumarins: A conspectus *European Journal of Medicinal Chemistry Reports*, 6, 100086.
33. Patel S., Patel K., Tulsian P., Kumar VK., Ghate M. (2023) Design of 2-amino-6-methyl-pyrimidine benzoic acids as ATP competitive casein kinase-2 (CK2) inhibitors using structure- and fragment-based design, docking and molecular dynamic simulation studies, *SAR AND QSAR IN ENVIRONMENTAL RESEARCH*
34. Qureshi G, Gediya P, Gehlot P, Ghate M, Vyas VK. (2023) 3D-QSAR assisted design, synthesis and pharmacological evaluation of novel substituted benzamides as procaspase-3 activators and anticancer agents. *Journal of Molecular Structure*, Volume 1286, 15 August, 135464.

Book Chapters.

1. S Bora, D Pooja, H Kulhari. Applications of Surface Modified Carbon Nanotubes in Drug Delivery Surface Modified Carbon Nanotubes Volume 2: Industrial Applications, 19-46.
2. Rutvi Mistry and Dr. Mahesh Vasava. "Recent Developments in the Synthesis of 4-Hydroxyphenyl Glycine and its Derivatives" in the book "Innovative Research in Chemical Sciences, Vol-1" Published by Rubicon Publications, London in 2022.
3. S Sharma, M Akhter, RK Singh, Understanding Promising Anticancer Targets for Heterocyclic Leads: An Introduction, Key Heterocyclic Cores for Smart Anticancer Drug-Design (Part-II) Bentham.Publisher, 2022.

Research Projects:

Name of faculty	Title of project	Duration	Cost (INR)	Sponsoring Agency	Role
Dr. Prajesh Prajapati	Apremilast loaded halloysite nanotubes composite encapsulated in electrospun nanofibers: a novel treatment for psoriasis	3 years	Rs. 22.72 Lakh	DST-SERB	CO-PI
Dr. Mahesh Vasava	Studies on stereochemistry and synthesis of Pyrazole fused pyran analogue of biological interest	1 years	Rs. 8.8 Lakh	NFSU SEED Money Scheme	PI
Dr. Hemen Dave	Forensic sewage epidemiology - A tool to study illicit drugs to confirm illicit drug consumption pattern.	3 Years	Rs. 19.89 Lakh	NFSU SEED Money Scheme	Co-PI
Dr. Deep Pooja	PBA functionalized CuO nanoparticle as nano biosensor probe for detection of sialic acid in body fluids	2 Years	Rs. 10 Lakh	NFSU SEED Money Scheme	PI

SSIP Projects:

Name of faculty/Student	Title of Project	Duration	Cost (INR)	Sponsoring Agency
Dr. Prajesh Prajapati Aganya Barot	Luminescent Nanomaterial based colorimetric nanosensor to detect pesticides	1 Year	45,000 /-	SSIP/NFSU
Dr. Prajesh Prajapati Biswarup Maji	Controlled released microbial patch for reducing Antimicrobial Resistance	1 Year	50,000 /-	SSIP/NFSU
Dr. Prajesh Prajapati Ruchik Mistry	Herbal Gum	1 Year	45,000 /-	SSIP/NFSU
Dr. Deep Pooja Shreyansh Chauhan	Development of Cabazitaxel loaded inulin-stearic acid conjugate for treatment of colon cancer	2 Years	46,000 /-	SSIP/NFSU
Dr. Deep Pooja Shuchi Patel	Development of Andrographolide loaded quantum dots for the theranostics purpose for the treatment of cancer.	2 Years	48,000 /-	SSIP/NFSU
Dr. Deep Pooja Vishruti Shah	Development of site-specific novel formulation of Lenvatinib loaded Glycyrrhizic acid nanocarrier	2 Years	43,000 /-	SSIP/NFSU

Name of faculty/Student	Title of Project	Duration	Cost (INR)	Sponsoring Agency
Dr. Shweta Sharma Trisha Bhatia	Drug Repurposing of selected FDA approved drug and designing of optimized candidates using AI and scaffold hopping technique.	1 Year	35,000 /-	SSIP/NFSU
Dr. Shweta Sharma Ruchita Jagjatiya	Formulation and characterization of herbal antifungal and anti-inflammatory foot repair serum	1 Year	40,000 /-	SSIP/NFSU
Dr. Shweta Sharma Drishti Patel	Development of Treatment for Nicotine Addiction	1 Year	42,000 /-	SSIP/NFSU
Dr. Mahesh Vasava & Shashank Parmar	Development of Silver nanoparticles using Indian herbal plants for antimicrobial and antifungal properties implementing green synthesis	1 Year	Rs. 34,000/-	SSIP/NFSU
Dr. Mahesh Vasava & Vishal Donda	Development of electrochemical based sensor for detection of heavy metal ion for multiple application	1 Year	Rs. 32,000/-	SSIP/NFSU
Dr. Mahesh Vasava & Sakshi Sahu	Silica nanoparticle pellets as an innovative method for forensic analysis of ignitable liquid residue from fire debris by GC-MS	1 Year	Rs. 28, 000/-	SSIP/NFSU
Ms. Dr. Hemen Dave Akansha Pandey and Ms. Shruti Patel G	Development of Plasma Fenton based Advance Oxidation technology for Wastewater Treatment	1 Year	Rs. 35,000/-	POC grant under NFSU SSIP 2.0

Patents/ copyrights:

Name of Faculty	Title	Description
Dr. Mahesh Vasava	"N-(BENZO[D]THIAZOL-2-YL)-2-(2-(2-OXO-2H-CHROMEN-3-YL)-1H-BENZO[D]IMIDAZOL-1-YL)ACETAMIDE DERIVATIVES AND USE THEREOF" Patent No- 398206 Date: 31/05/2022	This discovery led to the development of new chemical compounds that have been synthesized with a novel method and evaluated for anti-TB activity. The compounds showed significant pharmacological activity. These compounds were submitted to the National Cancer Institute, Chemotherapeutic Agents Repository, Germantown, USA for further study.
Dr. Mahesh Vasava	AN N'-(2-(1H-BENZO[D]IMIDAZOL-1-YL) ACETYL) NICOTINOHYDRAZIDE DERIVATIVES AND THEIR USE OF Patent No- 401629 Date: 19/07/2022	This discovery led to the development of new chemical compounds that have been synthesized with a novel method and evaluated for their biological activity. The compounds showed significant pharmacological activity. These compounds were also submitted to the National Cancer Institute, Chemotherapeutic Agents Repository, Germantown, USA for further study.

Start-up initiatives by Faculty and students:

Name of faculty/Student	Name of the Start-up	Area	Cost (INR)	Sponsoring Agency
Dr. Jasmin kubavat Shubham Y Kelaia Smit B Nayak	SKOR-H	Extraction& Production	1.50 Lakh/- (One Lakh fifty thousand only)	NFSU
Dr. Jasmin kubavat Shubham Y Kelaia	GADI MEDICARE	Healthcare	2 Lakh/- (Two Lakh only)	NFSU

Faculty Achievements and recognition:

Name of faculty	Achievement / Recognition
Dr. Madhu Anand	Selected for the Scholarship Award to attend the Pacific Basin Consortium conference held at Jeju Island, South Korea from 29 Aug -1 Sep, 2022. Selected for the Travel Award sponsored by Advancing Research for Children's Environmental Health (ARCeH) to attend the Pacific Basin Consortium conference held at Jeju Island, South Korea from 29 Aug -1 Sep, 2022. Selected for the ISES (International Society of Exposure Science) Conference Award to attend the 2022 ISES Meeting in Lisbon, Portugal from 25-29 September 2022.
Dr. Deepak Rawtani	Listed among top 2% scientists of the world as per the list declared by Stanford university and Elsevier.
Dr. Deep Pooja	Listed among the top 2% Scientists of the world as per the list prepared by the Stanford
Maithri T.	Awarded Ph.D. degree in Nanotechnology in April 2023, Won first runner up position for a poster presentation at the International workshop on Recent Trends in Functional Nanomaterials for technological applications held on August 2-3, 2022' organized by Center of Nanoscience and Nanotechnology (CNN), Amity University Mumbai.

Consultancy works:

Name of faculty	consultation work	Name of the company	Amount (INR)	Date
Dr. Prajesh Prajapati	DSC	S M Shah Pharmacy College	Rs. 944/-	04-01-22
Dr. Prajesh Prajapati	DSC	S. M. Shah Collage of Pharmacy	Rs. 3,776/-	12-01-22
Dr. Prajesh Prajapati	LC/MS/MS	Prerna Bioinnovation research	Rs. 30,208/-	05-02-22
Dr. Prajesh Prajapati	DSC	KBIPER Gandhinagar	Rs. 1,416/-	22-04-22
Dr. Prajesh Prajapati	DSC	KBIPER Gandhinagar	Rs. 1,416/-	23-04-22
Dr. Prajesh Prajapati	DSC	KBIPER Gandhinagar	Rs. 1,416/-	24-04-22

Name of faculty	consultation work	Name of the company	Amount (INR)	Date
Dr. Prajesh Prajapati	DSC	KBIPER Gandhinagar	Rs. 1,416/-	25-04-22
Dr. Prajesh Prajapati	DSC	KBIPER Gandhinagar	Rs. 470/-	26-04-22
Dr. Prajesh Prajapati	DSC	L.J. Institute Of Pharmacy	Rs. 3,776/-	05-06-22
Dr. Prajesh Prajapati	DSC	SMT. N.M. Padaliya Pharmacy	Rs. 2,832/-	10-06-22
Dr. Prajesh Prajapati	HPLC	A.R. collage of pharmacy	Rs. 4,956/-	13-06-22
Dr. Prajesh Prajapati	Particle size, Mass	IAR, Gandhinagar	Rs. 3,186/-	17-06-22
Dr. Prajesh Prajapati	DSC	L.J. Institute Of Pharmacy	Rs. 1,888/-	05-07-22
Dr. Prajesh Prajapati	DSC, UV-Vis	Pacific Academy Of Higher Education & Research University, Udaipur, Rajasthan	Rs. 7,080/-	27-07-22
Dr. Prajesh Prajapati	DSC	Accuprec Research	Rs. 2,832/-	11-08-22
Dr. Prajesh Prajapati	Spectro fluorometer	IPR, Gandhinagar	Rs. 4,720/-	22-09-22
Dr. Prajesh Prajapati	DSC	SMT. N.M. Padaliya Pharmacy	Rs. 1,888/-	27-09-22
Dr. Prajesh Prajapati	Mas Spectroscopy	IAR, Gandhinagar	Rs. 2,360/-	04-12-22
Dr. Prajesh Prajapati	LC/MS/MS	Accuprec Research	Rs. 84,960/-	12-12-22
Dr. Prajesh Prajapati	Particle size, Zeta potential	A.R. collage of pharmacy	Rs. 1,416/-	27-01-23
Dr. Prajesh Prajapati	DSC	SMT. N.M. Padaliya Pharmacy	Rs. 8,024/-	03-02-23
Dr. Prajesh Prajapati	Particle size, Zeta potential	A.R. collage of pharmacy	Rs. 10,620/-	03-02-23
Dr. Prajesh Prajapati	DSC	SMT. N.M. Padaliya Pharmacy	Rs. 944/-	14-02-23
Dr. Prajesh Prajapati	Particle size	L.J. Institute Of Pharmacy	Rs. 12,744/-	15-02-23
Dr. Prajesh Prajapati	Particle size, DSC	L.J. Institute Of Pharmacy	Rs. 6,844/-	17-02-23
Dr. Prajesh Prajapati	Particle size, DSC	L.J. Institute Of Pharmacy	Rs. 4,012/-	13-03-23

Training imparted by the School:

Brief Details of Training	From	To
DST STUTI	16 November 2022	22 November 2022

Training received by Faculty and Staff members (Offline and Online):

Name of Faculty	Brief details of Training	From Date	To Date
Dr Hemen Dave Dr Prajesh Prajapati	Hindi Workshop	15 June 2022	15 June 2022
Dr Manjunath Ghate	Faculty Development Program	3 January 2023	10 January 2023
Dr Deepak Rawtani			
Dr Prajesh Prajapati			
Dr Hemen Dave			
Dr Mahesh Vasava			
Dr Jasmin Kubavat			
Dr Deep Pooja			
Dr Madhu Anand			
Dr Shweta Sharma			
Dr MaithriTharmavaram			
Ms Riddhi Trivedi			
Ms Gravita Parikh			
Dr Manjunath Ghate	Gender Awareness Program	5 January 2023	5 January 2023
Dr Deepak Rawtani			
Dr Prajesh Prajapati			
Dr Jasmin Kubavat			
Dr Hemen Dave			
Dr Mahesh Vasava			
Dr Deep Pooja			
Dr Madhu Anand			
Dr Shweta Sharma			
Dr MaithriTharmavaram			

Name of Faculty	Brief details of Training	From Date	To Date
Ms Riddhi Trivedi	Hindi Workshop	28 February 2023	28 February 2023
Ms Garvita Parikh			
Mr Paras Chavda			
Mr Jignesh Purabiya			
Dr Hemen Dave			
Dr Deep Pooja			
Dr Shweta Sharma			
Dr MaithriTharmavaram			
Dr Prajesh Prajapati			

Conferences/Workshops/Seminars/Webinars attended and paper presentation by faculty members:

Name of Faculty	Date	Particulars	Specification
Dr Manjunath Gbate	24 August 2022	Invited Speaker in DST-STUTI Institute of Chemical Technology, Mumbai (PMU) Hosted by Shoolini University, Solan, Himachal Pradesh, India	"Training on the sophisticated analytical instruments for scientific research and biomedical applications"
	22 November 2022	Speaker, DST STUTI program National Forensic Sciences University, Gandhinagar Campus, Gujarat, India	
	17 December 2022	Talk in DST STUTI ICT at Columbia Institute of Pharmacy, Raipur, Chhattisgarh, India.	
	7 January 2023.	Speaker at Faculty development program organized by National Forensic Sciences University, Gandhinagar Campus, Gujarat, India	
	21 January 2023.	Talk at M. S. University, Baroda, Gujarat	Prof S K Banerjee's Memorial oration at the Department of Pharmacy, golden Jubilee celebrations
	21 February 2023	Speaker in the NFSU – NIPER joint training program organized for FDCA officials,	

Name of Faculty	Date	Particulars	Specification
Dr. MaithriTharmavaran	August 2-3, 2022	Presented Poster at Centre of Nanoscience and Nanotechnology (CNN), Amity University Mumbai.	International workshop on Recent Trends in Functional Nanomaterials for technological applications
Ms Riddhi Trivedi	14 November 2022	Attended Seminar at School of Technology, PDEU, Gandhinagar, Gujarat	India's G20 Presidency, Future Frame Work.
	21 January 2023.	Attended Seminar at Karnavati University, Gandhinagar, Gujarat	Chatra NITI Ayog Researches into Policy making

Students Activities and Achievements:

Sr. No.	Students Name, Course Name, Semester	Particulars
1.	Shruti Patel, Akanksha Pandey, Ph.D., 5	Digital poster presentation on "Climate Change Mitigation, Adaptation and its link with disaster risk reduction"
2.	Akanksha Pandey, Shruti Patel, Ph.D., 5	Digital poster presentation on "Climate Change Mitigation, Adaptation and its link with disaster risk reduction"
3.	Shruti Patel, Akanksha Pandey, Ph.D., 5	Poster presentation on "Advance Oxidation Approaches for Degradation of Emerging Environmental Contaminants" in National Seminar on Current Trends in Environmental Sciences: Issues and Challenges.
4.	Akanksha Pandey, Shruti Patel, Ph.D., 5	Poster presentation on Degradation and removal of aromatic organoarsenic compounds through green synthesized nanoparticles in International Conference on Functional Materials for Sustainable Energy & Environment (FMSEE'23).
5.	AdjamaIredon, Ph.D., 3	Poster presentation on "Extraction and Detection of Microplastics from Suspected Potential Environmental Sources: Case of Soil Recovery from Bio-mining of Old Municipal Dumpsite" in National Seminar on Current Trends in Environmental Sciences: Issues and Challenges.
6.	AdjamaIredon, Ph.D., 3	Digital poster presentation on "Climate Change Mitigation, Adaptation and its link with disaster risk reduction"
7.	Gargi MavaniBishapbhai, M.Sc., 4	Participated in abstract submission of Dissertation/Thesis on Cleaner Production and Clean Technology and selected in top 5 participants

Sr. No.	Students Name, Course Name, Semester	Particulars
8.	MAMAN NASSER ILLIASSOU OUMAROU, M.Sc., 4	Presented research paper entitled "Photo-Catalytical Degradation of Dyes and Nonylphenol by CdS Nanoparticles" at RAMSACT-2.0
9.	Dr. MaithriTharmavaram	Presented a poster and won first runner-up position at 'International workshop on Recent Trends in Functional Nanomaterials for technological applications held on August 2-3, 2022' organized by Centre of Nanoscience and Nanotechnology (CNN), Amity University Mumbai.
10.	Nishtha Shah& Dr. Manthan Tailor	Poster presentation on "Estimation of Heavy Metals Concentration in Settle able Dust of urban area, in the city of Vadodara, Gujarat, India." in National Seminar on Current Trends in Environmental Sciences: Issues and Challenges.
11.	Sumer Gupta- M. Pharm. Forensic Pharmacy	15 days workshop on 'Hands on training on Small animal handling' organized by IISER Kolkata

Internship:

1.	Mitesh Gami, M.Sc., Pharmaceutical Chemistry	Emcure Health care
2.	Harsh Jayswal, M.Sc., Pharmaceutical Chemistry	Acculife pharmaceutical
3.	Sakshi Parmar, M.Sc., Pharmaceutical Chemistry	LEX MARK HEALTH CARE
4.	Dhruvi Patel, M.Sc., Pharmaceutical Chemistry	LEX MARK HEALTH CARE
5.	Deepali Sammal, M. Pharm Forensic Pharmacy	ICMR Ahmedabad
6.	Yuvrajsinh Parmar, M. Pharm Forensic Pharmacy	Ethicare (Clinical trial service)
7.	Smith Detroja, M. Pharm Forensic Pharmacy	Clintha Research
8.	PallavNamdeo, M. Pharm Forensic Pharmacy	Veeda Clinical Research
9.	Shivani Pingat, M. Pharm Forensic Pharmacy	Veeda Clinical Research
10.	Charmi Patel, M. Pharm Forensic Pharmacy	Veeda Clinical Research
11.	Sumer Gupta M. Pharm Forensic Pharmacy	INMAS; DRDO New Delhi
12.	Devikrishna Gopalakrishnan, M.Sc. Chemistry	Piramal Healthcare, Ahmedabad

1. School of Pharmacy conducted an Industrial Visit at Troikaa Pharmaceuticals Ltd Virochannagar Plant for students of PG Diploma, M.Sc. Environmental Science, M.Pharm. PQA.



2. School of Pharmacy conducted an Industrial visit at Sumar Biotech LLP for students Of M Pharm Pharmaceutical Quality Assurance, M Pharm Forensic Pharmacy, MSc. Chemistry and MSc. Pharmaceutical Chemistry



3. School of Pharmacy have conducted an Industrial visit to Veeda CRO for M Pharm and STUTI training Program.



4. School of Pharmacy has conducted an Industrial visit to Sushen Medicamentos in which M Pharm PQA, M Pharm Forensic Pharmacy and MSc Pharmaceutical Chemistry.



5. School of Pharmacy has visited to Directorate of forensic lab was a fascinating and informative experience for students. It helped them to appreciate the role of science in the justice system and inspire them to pursue a career in forensic science or related fields. It also provides an opportunity for them to learn about the importance of ethical considerations in scientific investigation. During a visit to the forensic lab, students got a glimpse of the various techniques and tools used in forensic laboratory. They visited different sections of forensic laboratory such as DNA profiling, ballistics, lie detection, questioned document, chemistry section. They also got to see the chemical analysis of drug sample or observe the process of matching a bullet to a specific firearm. Students got an idea regarding different types of evidence and how they are collected and analysed.



Special initiatives by the schools:

S. No	Particulars of the Webinar (Description)	No of Participants	Details of Faculty Member
1	Pharmacy Week 2022 on the World Pharmacists Day at School of Pharmacy 19-23 rd September 2022	120	Dr Manjunath Ghatе Dr. MaithriTharmavaram
2.	Panchamrit for Climate Change-Youth Outreach Fortnight organized by the Department of Climate Change, Government of Gujarat, from 17th to 30th September 2022.	60	Dr Manjunath Ghatе Dr Hemen Dave Dr Madhu Anand
3.	National Seminar on Current Trends in Environmental Sciences: Issues and Challenges on 19th October 2022	60	Dr Manjunath Ghatе Dr Hemen Dave Dr Madhu Anand
4	Training Programs on "Current Trends in Food and Drug Analysis: Emphasis on Forensic Perspective" was organized by the School of Pharmacy from 16-22nd November 2022 funded by DST-STUTI.	60	Dr Manjunath Ghatе Dr. Mahesh Vasava
5	Orientation Program	120	All Faculty members
Expert Sessions			
1.	A talk on 'How to prepare CV for interviews and Job applications' delivered By	120	Dr Manjunath Ghatе
2.	A lecture by Dr. Yogesh Kumar on 'scope and career prospectus of Environmental Science'	40	Dr. Hemen Dave
3.	A talk on 'Green and Sustainable Buildings' by Mr. Chintan Shah,	120	Dr. Hemen Dave

1. Dr. Yogesh Kumar, Scientist, Regional Office of Ministry of Environment, Forest and Climate Change invited for delivering expert session and interacting with newly admitted students about scope and career prospectus of Environmental Science during Orientation program.



2. Expert session on Green and Sustainable Buildings. Mr. Chintan Shah, Director of Anand Environmental Consultants (P) Ltd. delivered the session and interacted with newly admitted students.



3. National Forensic Sciences University (NFSU), Gandhinagar Campus has participated in Panchamrit for Climate Change-Youth Outreach Fortnight organized by the Department of Climate Change, Government of Gujarat, from 17th to 30th September 2022. Under the program, a series of events were organized, including slogan writing, group discussion, elocution competition, essay writing, and innovative ideas for combating climate change (I2C3) for students of NFSU. Students from all the schools at NFSU Gandhinagar participated in all the competitions with great enthusiasm.

The program/contests have created great awareness among the students of practical aspects of climate change and other environmental issues.



4. School of Pharmacy, National Forensic Sciences University, organized a one-day National Seminar on Current Trends in Environmental Sciences, Issues and Challenges on 19th October 2022 at NFSU Gandhinagar. Dr. Bharat Jain, Member Secretary, Gujarat Cleaner Production Center, graced the inaugural function as Chief Guest. Dr. H.V.C. Chary Guntupalli, Scientist-E/Additional Director, Ministry of Environment, Forest & Climate Change, Integrated Regional Office, Bhopal, Dr. S.K. Nema, Scientist H and Head of Atmospheric pressure Plasma Division, FCIPT, Institute for Plasma Research, Gandhinagar and Dr. Rohit Srivastava, Associate Professor, Pandit Deendayal Energy University, Gandhinagar delivered keynote lectures. A poster presentation event was organized, and participants from various universities presented their research work. More than 100 participants attended the Seminar.



Training of Drug Regulators of FDCA, Gujarat on 21st February, 2023.

School of Pharmacy, National Forensic Sciences University Gandhinagar Campus, Gujarat jointly with NIPER- A has organized a training program for Drug Regulators of Gujarat State on 20th and 21st February 2023 in which Food and Drug Commissioner H. G Koshia graced the occasion the event was coordinated by Prof. Manjunath Ghatge, Dr. Prajesh Prajapati and Dr Deep Pooja.



Training of Food Regulators of FDCA, Gujarat on 20th March, 2023.

School of Pharmacy, National Forensic Sciences University Gandhinagar Campus, Gujarat jointly with NIPER- A has organized a training program for Food Regulators of Gujarat State on 20th March 2023 in which Food and Drug Commissioner H. G Koshia graced the occasion the event was coordinated by Dr. Manjunath Ghate and Dr. Prajesh Prajapati.



School of Earth, Space and Internet Technologies



About the School:

The School of Earth, Space and Internet Technologies (SESIT) of National Forensic Sciences University is established with an aim to prepare experts for securing Earth, Space and Internet Technologies. The school currently offers three programs: M. Tech. Robotics and Automation, M. Tech. Applied Data Science and Artificial Intelligence and P. G. Diploma in Internet Governance. All 3 programs are currently offered from the Gandhinagar Campus of the university.

In line with the mandate of the university to offer the programs in forensics and allied sciences, the programs offered by SESIT are designed to address critical issues related to the security of our planet and surrounding space with the advanced technologies like Robotics and Artificial Intelligence.

List of Programs offered:

Sr. No.	Program Name	Campus	Duration
1	M. Sc. Geo- informatics (with a Forensic Specialization)	Gandhinagar	02 Years
2	PG Diploma Internet Governance	Delhi	01 Year

Information about Programs and Students:

Sr. No.	Program Name	Campus	Total Students	Girls	Boys
1	M. Sc. Geo- informatics (with a Forensic Specialization)	Delhi	-	-	-
2	PG Diploma Internet Governance	Delhi	-	-	-

DELHI CAMPUS



About Delhi Campus:

The Institute of Criminology and Forensic Science was established by Government of India in 1972 within the Bureau of Police Research and Development following recommendations of the University Grants Commission (UGC) to setup a Central Institute for teaching Criminology and Forensic Science. The UGC had earlier set up an Expert Committee to suggest steps to bring 'Criminology' and 'Forensic Science' into the general stream of university education, pursuant to resolutions taken at UNESCO Symposium (London, 1955) that systematic understanding of Criminology and Forensic Science was necessary for Law Enforcement Officers and the Universities should be encouraged to include these disciplines in their curriculum.

The ICFS made humble beginning in 1972 by organizing 2 training courses for senior officers of the Central Justice System. In 1976 it became an independent Department directly under Ministry of Home Affairs with a wider mandate which included promotion of Criminology and Forensic Science through a variety of means. Since 1972, the institute has made significant headway in training and research in applied aspects of these two subjects. over 34,000 officers from Police and Civil Administration, Prosecution, Judiciary, Correctional Administration, Customs, Defence Forces and Forensic Science Laboratories have attended various orientation and specialized courses at the institute. Officers from foreign countries, namely Afghanistan, Bangladesh, Fiji, Indonesia, Iran, Iraq, Malaysia, Maldives, Sudan, Myanmar, Nepal, Pakistan, Palestine, Philippines, Singapore, Thailand, Uganda and Zambia have also participated in some of these courses. The institute has undertaken several research projects in Criminology and Forensic Science and it operates several schemes for promotion of Criminology and Forensic Science.

The institute was upgraded as National Institute in 1991 and in 2003 the institute was renamed after Lok Nayak Jayaprakash Narayan. The institute also offers M.A. / M.Sc. Courses in Criminology and Forensic Science since 2004 in affiliation with Guru Gobin Singh Indraprastha University, New Delhi.

Located in Rohini sub-city of the National Capital of Delhi, the institute has 8 acres campus housing administrative wing and teaching areas (About 9000 sq. mtrs.), Hostel space (2400 Sq. mtrs.), several lecture theaters, Seminar rooms, Auditorium besides residential facilities for faculty and staff. The institute has an Instrumentation wing and several laboratories having state-of the art equipment.

Functions:

- To conduct Master of Arts and Master of Science courses in Criminology and Forensic Science.
- To organize various in-service certificate and diploma courses as approved by Government of India from time to time.
- To confer Membership, Associate ship and Fellowship to those engaged in the profession of Criminology and Forensic Science.
- To assist the Government of India in formulating policies relating to all matters pertaining to the research and application of Criminology and Forensic Science.
- To collaborate with other institutions, organizations, associations and Societies in India and abroad for the promotion of study of Criminology and Forensic Science, and their application.
- To establish and maintain library and information service to disseminate information to different departments of the Government of India and the State Governments and other institutions in matter relating to Criminology and Forensic Science.
- To offer research fellowship, scholarship, prizes and stipends for fostering the study of Criminology and Forensic Science.
- To undertake aid, promote and co-ordinate research in Criminology and Forensic Science through its own or other agencies including Universities and other institutions of standing.
- To analyze specific problem encountered in the fields of Criminology and Forensic Science referred to the institute by State Governments or Government of India.
- To undertake all such research and studies either of its own or in collaboration with other organizations or persons on subjects which will serve the cause of Criminology and Forensic Science in the country.
- To publish news-letter, journals, literature on Criminology and Forensic Science which will advance the cause of Criminology and Forensic Science.

Campus Facilities : Facilities (Infrastructural development):

Sr. No	Name of the building	No. of Building	No. of Rooms
i)	Administrative Building	01 No.	129 Rooms
ii)	Library Building	01 No.	12 Rooms including partition
iii)	New Hostel Building	01 No.	88 Rooms
iv)	Old Hostel Building	01 No.	57 + 06= 63 Rooms
v)	Type-I quarter building	01 No.	04 Quarters
vi)	Type-II quarter building	01 No.	08 Quarters
vii)	Type-IV quarter building	01 No.	02 Quarters
viii)	Director Bungalow	01 No.	01 Quarter
ix)	Badminton court	01 No.	--
x)	Playground	01 No.	--
xi)	Open ground	02 No.	--
		Number of Divisions	Names of division
Xii)	Labs	4	Physics, Chemistry, Biology, Cyber

Activities in Campus:

List of Programs offered:

Sr. No.	Program Name	Duration (Years)
1	B.Sc.-M. Sc. (Integrated) Forensic Science	5
2	M.Sc. Homeland Security	2
3	B.B.A. LL.B. (Hons.)	5
4	M.Sc. Forensic Science	2
5	M.A. Criminology with Specialization in Forensic Psychology	2
6	LLM	1
7	BBA-MBA (Integrated)	5
8	M.Sc. DFIS	2
9	B. Tech – M. Tech Computer Science & Engineering (Cyber Security)	5

Faculty Members:

S.No	Faculty name	Designation	Qualifications	Specialisation/ Interest Area
1	Prof. (Dr.) S. O. Junare	Director	PhD	Forensic Accountant and Behavioural Economist
2	Prof. (Dr.) Beulah Shekhar	Chair Professor	Ph.D.	Criminology
3	Dr. R K Sarin	Professor	Ph.D.	Forensic chemistry and Toxicology
4	Dr. Ikramul Haque	Professor	M.Sc., M.Phil., Ph.D.	Forensic Biology and Biotechnology
5	Dr. Minakshi Sinha	Associate Professor	Ph.D.	Criminology
6	Dr. Rakhi Agarwal	Associate Professor & Dean Academics (I/c)	M.Sc. Ph.D.	Toxicology, Forensic Toxicology and Allied/ Forensic Toxicology, Environmental and Preventive Forensics
7	Dr. Manu Sharma	Associate Professor and Joint Registrar (I/C)	M.Pharm, Ph.D.	Medicinal and Natural Product Chemistry
8	Dr. Nandita Chaube	Assistant Professor	PG Dip. In Guidance & Counselling Internationally Certified Operator of Layered Voice Analysis (LVA) Art Therapist Ph.D. Psychology,	Psychology
9	Dr. Tanvi Yadav	Assistant Professor	B.Sc., LLB, LLM, PhD, UGC-NET SRF	Constitution Law, Criminal Law, Human Rights, Feminist Jurisprudence, Criminal Justice System
10	Dr. Mohammed Subhan Attar	Assistant Professor.	Ph.D.	Juvenile Justice System, Correctional Administration, Victimology and victim Assistance, Crime Prevention. Research Area: Juvenile Delinquency, Crime Prevention Technique,

S.No	Faculty name	Designation	Qualifications	Specialisation/ Interest Area
11	Dr. Abinash Mishra	Assistant Professor	Ph.D.	Machine Learning, Deep Learning, AI, IOT Data Analytics
12	Dr. Chothmal Kumawat	Assistant Professor	B. Tech, M. Tech, PhD	Multimedia Forensics
13	Dr. Hunny Matiyani	Assistant Professor	MSc Criminology, PhD	Victimology, human rights, Crime against women and children, Juvenile delinquency, Corrections
14	Dr Richa Rohatgi	Assistant Professor	MSc FS, PhD	Fingerprints and Questioned Documents, Forensic Physics 1
15	Dr. Tirupathi Chellapalli	Assistant Professor	B.Sc.-Bio-Technology, MBA, NET-JRF, PhD.	Marketing/General Management/Research Methodology etc.,
16	Dr. Hirak Ranjan Dash	Assistant Professor	M.Sc., Ph.D.	Forensic Genetics, Forensic Microbiology, Next Generation Sequencing
17	Dr. Kanchan Mala	Assistant Professor	MSc., M. phil., PhD	Electronics, Material science, Semiconductors, Lithium ion batteries, Nanomaterials and Nanotechnology
18	Dr Dinesh Singh	Assistant Professor	Ph.D.	Cyber Security
19	Dr. Deepak Raj Rao	Assistant Professor	Ph.D.	Cyber Security
20	DR. Deepak Garg	Assistant Professor	Ph.D.	Cloud computing and network security
21	Dr. Seema Malhotra	Assistant Professor	M.Sc. (Forensic Science), Ph.D. (in life Science)	Human genetics, Inherited genetic disease and Forensic DNA fingerprinting.
22	Dr. Brahm Prakash	Assistant Professor	B.TECH IT, M. Tech. CSE, NET & PHD CSE	Cyber Security
23	Dr. Sulbha Rai	Assistant Professor	BA (Hons.) App Psychology, MA (Criminology), Advance Diploma in Spanish, Ph.D.	Criminology, Victimology, Penology, Human Rights, Social Psychology, Juvenile Justice, Gender Studies
24	Dr. Neha Tomar	Assistant Professor	Ph.D.	Chemistry
25	Dr. Sweety Sharma	Assistant Professor	DMLT, B.Sc., M.Sc., PG Diploma in Criminal Justice System, Ph.D. (Forensic Science)	Forensic Biology and serology, Forensic chemistry, Forensic anthropology, Forensic odontology
26	Dr. Abraham Konda	Assistant Professor	MBA, M.Com, M. Phil, Ph.D., PDF	Management
27	Dr. Supriya Krishna	Assistant Professor	PhD	Forensic Chemistry, Forensic Toxicology; Narcotics, Explosives, General Forensic Science, Pharmacology
28	Dr. Karan Chaudhary	Assistant Professor	Ph.D.	Nano-material Chemistry, Biosensors and Catalysis, Covalent organic polymers and electrochemical applications, Coordination chemistry and Bioinorganic chemistry1
29	Dr. Oyindrila Chattopadhyay	Assistant Professor	M.A., M. Phil and PhD	National security and South Asia
30	Dr Tanya Chauhan	Assistant Professor	PhD	Forensic Biology & Biotechnology, Forensic DNA Profiling

S.No	Faculty name	Designation	Qualifications	Specialisation/ Interest Area
31	Meenakshi Kaushal	Teaching and Research Assistant	Ph.D. (pursuing), UGC-NET, LL.M, B.A.LL.B(H)	Criminal Law, Forensic Law, Financial Law
32	Trikalagya Tiwari	Teaching and Research Assistant	B.A.LL.B. (Hons.), LL.M., NET, Ph.D. (Pursuing)	Criminal Law, Constitutional Law
33	Ms. Shreya Mahajan	Teaching and Research Assistant	PhD (pursuing)	Gender Justice, Family Law and Criminal Law
34	Jayadev Dash	Teaching and Research Assistant	PhD(Pursuing)	Internal Security, National Security, Security Studies, Geo-Politics
35	Mr. Safal Phadke	Lecturer	M.A (Defence Studies), MBA (Homeland Security).	Geopolitics
36	Kola Nagendra	Teaching and Research Assistant	M.Com (Ph.D.) SET	Forensic Accounting, Auditing, Financial Management Economics and General Management.
37	Hitesh Goyal	Teaching and Research Assistant	B.Sc., M.Sc., M- Phil, PhD(Pursuing)	Criminology
38	Ms. Nilimamayee Samal	Teaching and Research Assistant	PhD (Pursuing) M. Tech (Electronics and Instrumentation), Interest Area: Sensors, Analytical Instrumentation	Mathematics
39	Ms. Shivani Sehgal	Teaching and Research Assistant	B.Sc. Botany (Hons.) M.Sc. Forensic Science B. Ed Ph. D (pursuing)	Forensic Biology and DNA
40	Ms. Anjali Tomar	Teaching and Research Assistant	M.Sc., Ph. D (pursuing)	Questioned documents
41	Dr. Swapnil Pandey	Assistant Professor	Ph. D	Law

Details of Scientific Assistant/ Research Fellows:

Sr. No.	Name and designation	Qualifications	Specialisation/ Interest Area
1.	Ms. Babita	Project Assistant / M.Sc.	Preventive Toxicology
2.	Ms. Bhagyashri T. Nikalje	BHARTI JRF/ M.Sc.	Environmental Toxicology
3.	Ms. Mikaila Chetty	ICCR Fellow/ M.Sc.	Environmental Toxicology
4.	Mr. Elisa Kalugendo	ICCR Fellow/ M.Sc.	Environmental Toxicology
5.	Ms. Akanksha	Research Scholar/ M.Sc.	Analytical and Forensic Toxicology
6.	Mr. Prashant Singh	Research Scholar/M.Sc.	Analytical and Forensic Toxicology

Publications:

Research Papers:

- Monga, J., Suthar, S. K., Rohila, D., Joseph, A., Chauhan, C. S., & Sharma, M. (2022). (+) -Cyanidan-3-ol inhibits epidermoid squamous cell carcinoma growth via inhibiting AKT/mTOR uenchers through modulating CIP2A-PP2A axis. *Phytomedicine*, 101, 154116.
- Shinu, P., Sharma, M., Gupta, G. L., Mujwar, S., Kandeel, M., Kumar, M., ...&Morsy, M. A. (2022). Computational design, synthesis, and pharmacological evaluation of naproxen-guaiacol chimera for gastro-sparing anti-inflammatory response by selective COX2 inhibition. *Molecules*, 27(20), 6905.
- Dash, H. R., & Arora, M. (2022). CRISPR-CasB technology in forensic DNA analysis: challenges and solutions. *Applied Microbiology and Biotechnology*, 106(12), 4367-4374.
- Dash, H. R., & Arora, M. (2022). The effects of 21 cytological and nucleic acid binding dyes on autosomal and Y-chromosomal STR markers using new generation STR amplification kits. *Human Gene*, 34, 201108.
- Matiyani, H. (2022)."Understanding sexual crimes against children with different theoretical approaches" published in *Indian Journal of Development Research and Social Action*, Volume 18 (1).

6. Mitra, I., Roy, S., & Haque, I. (2022). Asian crocodile poaching: A review of molecular techniques developed for forensic identification. *Journal of Forensic Science and Medicine*, 8(2), 57-61.
7. Naga Jogayya and I.Haque (2022). Development of microsatellite DNA markers for Indian Rat Snakes (*Ptyas mucosa*). *Forensic Science International Animals and Environments* 2(100054)
8. Mitra, I., Roy, S., & Haque, I. (2022). Forensic identification of four Indian snake species using single multiplex polymerase chain reaction. *Journal of Forensic Science and Medicine*, 8(3), 81-87.
9. Sharma S, Singh R, (2022). A novel and non-destructive approach for the analysis of unusual writing material (kohl/kajal) on unusual writing surfaces using ATR FT-IR spectroscopy, *International research journal on police journal* (A Bi-annual Peer-Reviewed Journal dedicated to quality and advancement in Police Science Research).
10. Sharma, C. P., Sharma, S., Rawat, G. S., & Singh, R. (2022). Rapid and non-destructive differentiation of Shahtoosh from Pashmina/Cashmere wool using ATR FT-IR spectroscopy. *Science & Justice*, 62(3), 349-357.
11. Sharma, S., Kaur, H., & Singh, R. (2022). Sex discrimination from urine traces for forensic purposes using attenuated total reflectance Fourier transform infrared spectroscopy and multivariate data analysis. *International Journal of Legal Medicine*, 136(6), 1755-1765.
12. Shekhar, B., Castro, R., & Goyal, H. (2022). "Minding the Gap Between Restorative Justice, Therapeutic Jurisprudence and Global Indigenous Wisdom – Two Side of the Same Coin." In *21st Century Slavery – The Various Forms of Human Enslavement in Today's World*. October 2022.
13. Gupta, R., & Goyal, H. (2022). "A Criminological Perspective of Intellectual Property Rights in India" In *Intellectual Property (IP) Crimes: Legal and Criminological Dimensions*. (ISBN No. 9789357043878.)
14. Gupta, N. S., Rohatgi, R., & Gupta, S. (2022). Role of orthodontics in forensic facial reconstruction for human identification. *Journal of Forensic Medicine and Toxicology*, 39(2), 97-104.
15. Prajapati, A., Rohatgi, R., & Kumar, S. (2022). Forensic Significance of Perforation Pattern In Polycarbonate Sheet Against 9× 19mm Projectile..
16. Soham, G., & Richa, R. (2022). Trajectory Simulations By The Numerical Solution Of The Point-Mass Equations Of Motion For 7.62 MM/. 308 RIFLE BULLETS. *Судебная медицина*, 8(2), 2336.
17. Rohatgi, R., & Kapoor, A. K. (2022). Determination of sex using variations in minutiae distribution in thumbprints. *Journal of Forensic Medicine and Toxicology*, 39(1), 56-64.
18. Rohatgi, R. and Kapoor, A. K. (2022). Variability in Fingerprints Ridge Density among Delhi Population Groups and its Forensic Application, *International Journal of All Research Education and Scientific Methods (IJARESM)*, Vol 10, Issue 7, Pg No. 1295-1301. (UGC-care list)
19. Vandana and Rohatgi, R. (2022). Sex determination by Pelvis – A mini Literature Review, *International Journal for Research in Applied Science & Engineering Technology (IJRASET)* Vol 10, Issue 5, Pg no. 1008-1017 (UGC-care)
20. Gupta, G. L., Sharma, L., & Sharma, M. (2023). 18β-Glycyrrhetic Acid Ameliorates Neuroinflammation Linked Depressive Behavior Instigated by Chronic Unpredictable Mild Stress via Triggering BDNF/TrkB Signaling Pathway in Rats. *Neurochemical Research*, 48(2), 551-569.
21. Chauhan, M., Dhar, Z. A., Gorki, V., Sharma, S., Koul, A., Bala, S., ...& Dhingra, N. (2023). Exploration of anticancer potential of Lantadenes from weed *Lantana camara*: Synthesis, in silico, in vitro and in vivo studies. *Phytochemistry*, 206, 113525.
22. Sharma, V., Gupta, G. L., & Sharma, M. (2023). Oxidative Coupling Assembly Induced Bio-engineered Quercetin Microspheres for the Gastrointestinal Delivery of Diclofenac Sodium. *Current Drug Delivery*.
23. Shinu, P., Gupta, G. L., Sharma, M., Khan, S., Goyal, M., Nair, A. B., & Altaweel, A. A. A. (2023). Pharmacological Features of 18β-Glycyrrhetic Acid: A Pentacyclic Triterpenoid of Therapeutic Potential. *Plants*, 12(5), 1086.
24. Chaube, N. & Nagle, Y. (2023). Parental Maltreatment of Children. In *Production in Encyclopedia of Domestic Violence*. Springer Nature.
25. Dash, H. R., Arora, M., & Khatoon, S. (2023). Evaluation of face masks as a valuable forensic DNA evidence in the post-COVID era. *International Journal of Legal Medicine*, 1-7.
26. Rashid, B., Mala, K., Ali, M., Rafiq, U., Quereshi, M., Ahmad, P., ...& Wahid, M. (2023). Temperature Ramp Strategy for Regulating Oxygen Vacancies in NiCo2O4 Nanoneedles Towards Enhanced Electrocatalytic Water Splitting. *ChemPhysChem*, e202300013.
27. Mishra, A., Kakkur, D., Kaur, G., Chauhan T, Kushwaha K.P.S., (2023), Stature and its estimation utilizing Hand and Foot Measurements in North Indian Population *Indian Journal of Forensic Medicine and Pathology*, 16 (1): 35-43
28. Sharma, C. P., Sharma, S., & Singh, R. (2023). Species discrimination from blood traces using ATR FT-IR spectroscopy and chemometrics: Application in wildlife forensics. *Forensic Science International: Animals and Environments*, 3, 100060.
29. Chellapalli, T. (2023). Employee Behaviour towards using ICT devices in Urban Public Transportation: An Empirical Study. *Academy of Marketing Studies Journal*, 27(3).

Books:

1. Dash, H. R., Shrivastava, P., Lorente, J. A. (2022) *Handbook of DNA Profiling*. Springer. <https://doi.org/10.1007/978-981-15-9364-2>
2. Shrivastav, S., Saxena, N., Mistri, J., & Goyal, H. (Ed.). (2022). *Intellectual Property (IP) Crimes: Legal and Criminological Dimensions*. Blue Rose Publications, India. ISBN No. 9789357043878.
3. Chellapalli, T., "Constructing Customer Experience in the Context of Retail Banking Self Service Technologies (SSTs)" ISBN: 978-93-5473-274-2 Publisher: Evincepub Publishing
4. Singh, P., Gupta, N., Deoghare, P.M., and Agarwal, R., (2022). *Arsenic -Induced Phytotoxicity in Rice Plants*. Arsenic in Rice A Global Menace Apple Academic Press co publishing with CRC Press (Book Chapter)
5. Agarwal, R., and Chand A., *Forensic Applications of Polarized Microscope*. *Forensic Microscopy Truth under the lenses* (2023). CRC press (Book Chapter) (f).

Research Projects:

Name of faculty	Title of project	Duration	Cost (INR)	Sponsoring Agency	Role
Dr Manu Sharma	Bioassay guided fractionation of Acacia catechu and Rhodiola uenchers for the inhibition of PEPCK gene expression and gluconeogenesis in H4IIE hepatoma cell lin	3 years	Rs. 22.20 Lakhs	Ministry of Ayush, National Medicinal Plant Board, Government of India	PI
Dr. Rakhi Agarwal	Therapeutic Potential of N- acetylcysteine against sublethal concentrations of Risperidone in Caenorhabditis elegans: Forensic and Clinical Toxicology	36 months	Rs. 16.11 Lakhs	NFSU Seed Money Scheme,	PI

Patents/ copyrights:

Name of Faculty	Title	Description
Manu Sharma, S.O. Junare, G.L. Gupta	Avicularin attenuates memory impairment with amyloid beta-induced 247uenchers's disease.	202211062971
Manu Sharma, S.O. Junare, G.L. Gupta	Gossypetin- based therapeutics for cognitive dysfunction in chronic unpredictable stress	202211062972
Manu Sharma, Varsha Chauhan, Jyoti Pal	Development of analytical method for simultaneous analysis of z-drugs in urine samples using 247uenchers method on liquid chromatography-tandem mass spectrometry	2023110022886
Minky Mukhija, Jyoti, Sonia Kamboj, Manu Sharma, Bhuwan Chandra Joshi, Gaurav Kumar, Anurag Bhargava	Design patent on Multinozzle TLC Spray glass bottle	364064-001 (Granted)

Faculty Achievements and Recognition:

Name of Faculty	Achievement / Recognition
Dr. Sweety Sharma	Research paper entitled "ATR FTIR Spectroscopy: A potential Tool for the analysis of vaginal fluid in a non-destructive manner" was adjudged as The Best Research Paper (1 st Prize) award in the poster presentations category in the "25 th All India Forensic Science Conference, organised by National Forensic Sciences University" held on 2 nd to 4 th February, 2023

Training received by Faculty and Staff members :

Name of faculty/ Staff	Brief Details of Training	From	To
Dr. Neha Tomar	Advancing the recommendations of this year's Commission on Narcotic Drugs Joint Call to Action on Scaling Up the Implementation of International Drug Policy Commitments on Improving Availability of and Access to Controlled Substances for Medical and Scientific Purposes the UNODC Synthetic Drug Strategy (UNODC Opioid Strategy)	28.06.2022	
Dr. Neha Tomar	Completed 30 hours training on Novel Psychoactive Substance	24/10/2022	26/10/2022
Dr. Kanchan Mala	Faculty development Program (FDP) by Department of Academics NFSU Gandhinagar	03/01/2023	10/01/2023
Dr. Seema Malhotra	Faculty development Program (FDP) by Department of Academics NFSU Gandhinagar	03/01/2023	10/01/2023
Dr. Tanya Chauhan	Faculty development Program (FDP) by Department of Academics NFSU Gandhinagar	03/01/2023	10/01/2023
Dr. Tanvi Yadav	Faculty development Program (FDP) by Department of Academics NFSU Gandhinagar	03/01/2023	10/01/2023
Dr. Sweetly Sharma	Faculty development Program (FDP) by Department of Academics NFSU Gandhinagar	03/01/2023	10/01/2023
Dr. Sulbha Rai	Faculty development Program (FDP) by Department of Academics NFSU Gandhinagar	03/01/2023	10/01/2023
Ms. Shivani Sehgal	Faculty development Program (FDP) by Department of Academics NFSU Gandhinagar	03/01/2023	10/01/2023
Mr. Safal Phadke	Faculty development Program (FDP) by Department of Academics NFSU Gandhinagar	03/01/2023	10/01/2023
Meenakshi Kaushal	Faculty development Program (FDP) by Department of Academics NFSU Gandhinagar	03/01/2023	10/01/2023
Dr. Mohammed Subhan Attar	One Week Capacity Building Program, organised by NFSU Gandhinagar	03/01/2023	10/01/2023

Name of faculty/ Staff	Brief Details of Training	From	To
Dr. Richa Rohtagi	5- days Post-mortem Fingerprints Photography Short course	20/03/2023	24/03/2023
Dr. Neha Tomar	Forensic Fingerprint Photography Short Course Conducted by International Centre for Humanitarian Forensics	20/03/2023	24/03/2023
Dr. Mohammed Subhan Attar	International faculty development programme (hybrid) organized by Nirmal Niketan, Mumbai and Globethics, South Asia Bangalore	21/03/2023	-
Dr. Chothmal Kumawat	One day Workshop on Forensic Tool Kit From	31/03/2023	-
Dr. Abinash Mishra	Workshop on Forensic Tools Kit on	31.03.2023	

Conferences/ Workshops/ Seminars/ Webinars attended and paper presentation by faculty members:

Name of faculty/ Staff	Date	Particulars	Specification
Dr. Supriya Krishna	04.04.2022	Delivered guest lecture on Significant Areas of Scientific and Technological Advances Relevant to Police Work. Use of Forensic Science and Forensic Medicine in Prevention, Detection and Investigation of Crimes.' During 'Investigation of Heinous Cases: Advance Course in Scientific Investigation' organized by 'Delhi Police Academy' at 'Rajendar Nagar, New Delhi'	Guest Lecture
Dr. Hirak Ranjan Dash	05.05.2022	Powerful, flexible solutions to match the changing forensic landscape Thermo Scientific.	Participation in Webinar
Dr. Manu Sharma	21.05.2022	Career Point University Hamirpur on Research Ethics	Expert talk
Dr. Sweety Sharma	01.07.2022 to 03.07.2022	Forensic Anthropology in Centre for Integrated studies cochin university of science and technology, Kochi, 682022, Kerala, India	Invited Lecture
Dr. Sweety Sharma	21.07.2022	Delivered a lecture on Collection, handling, labelling, and packing of biological and physical evidence as exhibits from crime scenes Using the SAECKS and role of forensic science in sexual assault cases at Delhi Police Academy, New Delhi	Invited Lecture
Dr. Kanchan Mala	28.07.2022 – 30.07.2022	Online International Conference on Higher Education, Research and Innovation-ICHERI	Attended and participated

Name of faculty/ Staff	Date	Particulars	Specification
Dr. Richa Rohtagi	12.08.2022	Forensic Ballistics at Govt. Institute of Forensic Science, Nagpur	Expert Lecture
Dr. Sweety Sharma	18.08.2022	Conducted an e-workshop on Forensic anthropology at Govt institute of forensic Science, Nagpur	Conducted e-workshop
Anjali Tomar	15.09.2022 to 17.09.2022	Forensic Examination Of Thermal Papers Using Video Spectral Comparator And ATR-FTIR Spectroscopy Coupled With Chemometrics, at 15 th Chandigarh Science Congress CHASCON – 2022	Paper Presentation
Dr. Ikramul Haque	19.09.2022 to 23.09.2022	Delivered a lecture on the topic DNA profiling in individual identification in the course Forensic science and Forensic medicine	Expert talk
Dr. Sulbha Rai	22.09.2022 to 23.09.2022	Co-Chaired a Technical Session on Forensic Victimology and DNA Analysis in the 1 st International Conference on Forensic Victimology organised by NFSU, Delhi Campus	Co-Chaired
Mr. Safal Phadke	27.09.2022 to 29.09.2022	Conference organised by NFSU and GCTC on India's Defence Architecture Conference 2022'. The conference was about India's Defence Architecture. Participant faculty member and students benefitted from the conference in terms of Defence manufacturing and innovation in the defence sector.	Participated
Dr. Sweety Sharma	10.10.2022	Delivered an expert talk on Utility of forensic science in investigation. How to collect and labelling exhibits from scene of crime. How to connect forensic report with crime at Delhi Police Academy, New Delhi	Expert Talk
Dr. Richa Rohtagi	15.10.2022	Forensic Fingerprints at Kristu Jayanti College, Bangalore on 15 Oct.22	Expert Lecture
Dr. Neha Tomar	24.10.2022 to 26.10.2022	Methodical analysis of unconventional adulterants in diacetylmorphine from 2019–2021 in Delhi, India , International conference on NPS (24-26 Oct, 2022)	Oral Presentation
Dr. Neha Tomar	24.10. TO 26.10.2022	Forensic Toxicological analysis of Pregabalin from Urine using FTIR, International Conference on NPS	Oral Presentation
Mr. Safal Phadke	04.11.2022	As a resource person, delivered a lecture (via ONLINE MODE) in M.E.S Garware College, Pune on Competitive Exam in Defence Services'	Delivered a lecture (via ONLINE MODE)
Dr. Neha Tomar	14.11.2022	Photography of scene of Crime, Photography of Physical Clues and other exhibits, Use in Police Investigation to newly Inducted SI/ Inspectors at Delhi Police Academy; Rajendra Nagar, Delhi	Guest Lecture

Name of faculty/ Staff	Date	Particulars	Specification
Dr. Rakhi Agarwal	25.11.2022	"Analytical Determination of Acute Benzene Poisoning" during A virtual national conference Forensic Advancements & Technological Explorations: Transcending Disciplines (FATE-2022) organized by the Department of Forensic Science, Lovely Professional University	Keynote Lecture
Ms. Shreya Mahajan	01/12/2022	Paper Presentations At University OF WARWICK AND JNU- The Law And Legal System	Paper Presentations
Dr. Tanya Chauhan	09.12.2022	"Utility of Forensic Science in investigation. How to Collect and Labelling exhibits from Scene of Crime. How to connect forensic report with crime" at Delhi Police Academy, New Delhi	Invited lecture
Dr Richa Rohatgi	14.12.2022	Oral presentation at International conference INPALMS-2022, Sri Lanka on	Paper presentation
Dr. Sweety Sharma	16.12. 2022	Delivered an expert talk on "Portrait Parley" to a team of 43 Sub Inspector of CBI Batch	Invited Lecture
Dr. Neha Tomar	02.01.2023	Photography of scene of Crime, Photography of Physical Clues and other exhibits, Use in Police Investigation to newly Inducted SI/ Inspectors at Delhi Police Academy; Rajendra Nagar, Delhi	Guest Lecture
Dr. Ikramul Haque	10.01.2023 to 11.01.2023	Delivered a expert talk on "National standard in forensic DNA analysis: Need of the hour" and standardisation of reporting format in forensic DNA analysis in the 7 th workshop on National Standard for DNA profiling	Expert talk
Dr. Sulbha Rai	09.01.2023 to 10.01.2023	Presented a research paper titled "Living at the Intersection of Gender, Culture and Criminality: A study on Sex Workers from a DNT in Delhi" in International Conference on the Unrooted Identities of Nomadic People: The Issues of Structural Marginalization and Struggle for Legal Status organised by Guru Gobind Singh Indraprastha University, Dwarka in collaboration with the Indian Anthropological Association.	Paper Presentation
Dr. Ikramul Haque	23.01.2023- 24.01.2023	Delivered a lecture on Forensic examination in sexual assault cases: advantages and impediments in the 57 th course on Forensic examination in sexual assault cases	Expert talk
Dr. Tanya Chauhan	25.01.2023	Forensic evidence at the SOC in Sexual Offence cases and Collection, Preservation and packaging of Biological material — at Haryana Police Academy, Karnal, Haryana	Invited lecture

Name of faculty/ Staff	Date	Particulars	Specification
Dr. Supriya Krishn	02.02.2023 to 04.02.2023	25 th AIFSC conference	Attended
Dr. Karan Chaudhary	02.02.2023 to 04.02.2023	25 th AIFSC conference	Attended
Dr. Kanchan Mala	02.02.2023 to 04.02.2023	25 th All India Forensic Science Conference at NFSU Gandhinagar	attended and participated
Dr. Seema Malhotra	02.02.2023 to 04.02.2023	All India Forensic Science Conference (AIFSC)	Attended
Dr. Sweety Sharma	02.02.2023 to 04.02.2023	Presented a paper entitled "ATR FTIR Spectroscopy: A potential Tool for the analysis of vaginal fluid in a non-destructive manner" in 25 th All India Forensic Science Conference at NFSU Gandhinagar	Paper Presentation
Dr. Sulbha Rai	02.02.2023 to 04.02.2023	Presented a paper entitled "Criminals or Victims of Law?- A Socio-Legal Study on The De-notified Tribes of Delhi, India" in 25 th All India Forensic Science Conference at NFSU Gandhinagar	Paper Presentation
Ms. Shivani Sehgal	02.02.2023 to 04.02.2023	Poster Presentation on the topic "Fabrication of Novel Micro-chip For on-site extraction of Human Genomic DNA and comparison with FTA cards" at 25 th All India Forensic Science Conference (AIFSC 2023) from 2-4 th February, 2023.	Paper presentation
Dr. Ikramul Haque	02.02.2023 to 04.02.2023	25 th All India Forensic Science Conference at NFSU Gandhinagar	Session chair
Dr. Sweety Sharma	02.02.2023 to 04.02.2023	Presented a paper entitled — Raman Spectroscopy: A boon in the realm of forensic biology and serology in 25 th All India Forensic Science Conference at NFSU Gandhinagar	Paper presentation
Dr. Ikramul Haque	02.02.2023 to 04.02.2023	25 th All India Forensic Science Conference at NFSU Gandhinagar	Participated
Dr. Richa Rohtagi	03.02.2023 to 04.02.2023	Foundation Certificate Course on Crime Scene Investigation for the students of Holy Angel University, Philippines during	Invited Field Expert
Dr. Manu Sharma	10.02.2023	3 rd North Zone Conference of Indian Pharmacological Society, M.M. University Mullana	Session Chair

Name of faculty/ Staff	Date	Particulars	Specification
Dr. Supriya Krishna	14.02.2023	Crime Scene management, How to preserve crime scene in a bomb blast case and other cases crime scene. How to prepare an SOC report for I.O. How to collect, pack and handle physical evidence from a scene of crime. Forwarding to CFSL/FSL for forensic examination.' During the two days course on the Crime Team of the rank of Ct to ASI organized by 'Delhi Police Academy' at 'Rajendar Nagar, New Delhi'	Guest Lecture
Dr. Ikramul Haque	16.02.2023	Delivered an expert talk on overview of forensic investigation in the training of BSF	Expert talk
Dr. Manu Sharma	22.02.2023.	Delhi University of Pharmaceutical Education and Research on Research Ethics	Expert talk
Dr. Ikramul Haque	20.02.2023 to 03.03.2023	Delivered a lecture on Forensic science in justice administration in the 7 th course on forensic audio, forensic photography and video technology	Expert talk
Dr. R. K. Sarin	09.03.2023 to 10.03.2023	Invited speaker on forensic toxicology organised by dept of chemistry Karunya Institute of technology.	Invited talk
Dr. R. K. Sarin	09.03.2023 to 10.03.2023	Delivered and expert talk on "Forensic Toxicology" in National conference on forensic science and technology NCFST 2023 and National workshop on hands-on training on wildlife forensics and crime control organised by dept of chemistry Karunya Institute of technology.	Expert talk and an inaugural address
Dr. Neha Tomar	13.03.2023	Photography of scene of Crime, Photography of Physical Clues and other exhibits, Use in Police Investigation to newly Inducted SI/ Inspectors at Delhi Police Academy; Rajendra Nagar, Delhi	Guest Lecture
Dr. R. K. Sarin	18.03.2023	Guest Lecture	Invited talk
Dr. Sulbha Rai	24.03 2023	Delivered Expert Talk on the "Issues of Marginalisation of DNTs" at the University School of Law and Legal Studies, GGSIP University, Dwarka.	Invited talk
Mr. Safal Phadke	31.03.2023	Fraud Analysis & Forensic Accounting organised by GITAM University, Hyderabad.	Webinar attended
Dr. Thirupathi Chellapalli	31.03.2023	Participated in the workshop on "Fraud Analytics & Forensic Accounting" organized by Dept. of Accounting, GITAM School of Business, GITAM Deemed to be University, Hyderabad.	Participated

International and National Collaborations:

Sr. No.	Name of the Parties	Brief Description of the MoU
1	ANCOR	ARL design & manufactures world class defence applications (EW) system for achieving self reliance in Defence technologies in India
2	ASPIRIFY	Aspirify Enterprises Pvt. Ltd is a start-up India, certified organisation and wants to promote the Make in India initiative. It specializes in cyber security domain.
3	DILABS	DILABS is a leading solution provider for wide range of applications for Aerospace, Avionics solutions for civil and Military applications, Defence related R & D.
4	India Internet Foundation	India Internet Foundation is a non for profit organization & it provides critical internet infrastructure, multilingual internet, network forensic, quantum internet & internet standard
5	Map My India (CE Info system)	Map My India is India's leading digital mapping, geospatial software and location-based IoT deep tech company, offering proprietary digital maps as a service (MaaS), software as a service (SaaS) and platform as a services (PaaS)

Webinars Conducted:

Sr. No.	Particulars of the Webinar (Description)	No. of Participants	Details of the Faculty member
1.	E-Symposium on Trends in Narcotic Drugs & Psychotropic Substances Theme – "AWARENESS ON TRENDS OF DRUG ABUSE IN INDIA WITH RESPECT TO GLOBAL SCENARIO" (26-27th June 2022) in collaboration with Forensic Science Laboratory, Delhi 85 Forensic Experts From across the Nation	85 Forensic Experts from across the Nation	Dr. Neha Tomar
2.	A National level webinar was organized on January 27, 2023 on the topic Career Prospects in Legal Field'. Mr. Manish Sansi, Chief Legal & Regulatory officer	50	Dr. Tanvi Yadav, Dr. Swapnil Pandey, Shreya Mahajan, Meenakshi Kaushal, Mr. Trikalagya Tiwari

Students Activities and Achievements:


Sr. No.	Student Name, Course Name, Semester	Particulars of the Achievement
1.	M.sc. Forensic Science 4th Semester students	Two Students has qualified UGC-JRF- NET (Shrishti and Jamir Lipok) 4 Students have qualified UGC-NET(Ajay, Samiksha, Shabana, and Shruti Chaudhary)
2.	Students Of MSc Forensic Science	Cyber specialization got paid Internship at KPMG (5), Deloitte India (3), Deloitte US (6), Bhumi High-Tech (2) and FSI Global (3).
3.	LLM, BBA-LLB Honours	The Inaugural Pro-Am Parliamentary Debate - October 19, 2022

Sr. No.	Student Name, Course Name, Semester	Particulars of the Achievement
4.	LLM, BBA-LLB Honours	A Seminar on Constitution in Contemporary Era by Professor Dr Vinod Kumar, Head of Human Rights & Sub-Altern Studies National Law University, Delhi. - November 25, 2022
5.	All programs	The 2v2 Parliamentary Debate Competition - November 25, 2022
6.	LLM, BBA-LLB Honours	Central Jail (Tihar) Jail No. 2 Visit - 28/10/2022 National Crime Records Bureau Visit
7.	All programs	SAMVAAD: Youth Parliament & Report Writing Competition - 22nd February 2023
8.	LLM, BBA-LLB Honours Batch 22-23 Saurav Srivastava; Vartika Mittal; Ankit Kumar; Pranav Amrit; Batch 21-22 Yash Mittal; Akash Kumar; Kalpana Maurya	Around 8 students of LLM batches- 2021-22 and 2022-23 have cleared UGC-NET
9.	LLM, BBA-LLB Honours	Students have interned at various government organizations including CBI, NCRB, I4C, High Courts and Supreme Court.
10.	LLM, BBA-LLB Honours	Students have been placed in various organizations including Ipos.
11.	LLM, BBA-LLB Honours	AIIMS Delhi visit for lecture on forensic medicine and autopsy visit.
12.	MSc DFIS, Sem II	Cyber Security Event on 22nd April, 2023 at Vigyan Bhawan, New Delhi
13.	B. Tech-M. Tech (Sem II and IV) and M.Sc. DFIS Sem II	Expert Lecture by CYINT Technologies on Digital Forensics, Electronics Surveillance, and Cyber Intelligence on 26 April, 2023
14.	M.A. Criminology	<p>VISITS- M.A. Criminology students, visit to various criminal justice functionaries like FSL, Rohini Central Jail, Sanganer Open Prison-Jaipur, Central Jail-Jaipur, BPR&D, NCRB, CFPB, National Disaster Management Institute, MHA-Rohini.</p> <p>PLACEMENT- Two students named Ms. Susmita Roy and Ms. Muskan (4th Sem) have been placed in an Non-Governmental Organisation- Project CACA.</p> <p>NET-JRF-Ms. Muskaan Rajput (4th Sem) has cleared UGC-NET Exam.</p>
15.	M.Sc. Semester III (FPQD)	<p>Students visit to CFPB, NCRB, Mahipalpur, Delhi for two days (17th and 18th September, 2022)</p> <ol style="list-style-type: none"> 1. Kollam Anjali 102FSMSFS2122020 2. Anshi Sinha 102FSMSFS212203 3. Arya Suresh Babu 102FSMSFS2122038 4. Kajal Kumari 102FSMSFS2122023 5. Lalit Yadav 102FSMSFS21220366 6. Rupal Roy 102FSMSFS2122026

Sr. No.	Student Name, Course Name, Semester	Particulars of the Achievement
16.	M.sc. FS (Ballistics spl.) Batch 2023-students	Students visited Security Expo at Pragati Maidan in 10 Sept 2022
17.	M.sc. FS (Ballistics spl.) Batch 2023-	Students visited FSL along with Training Course participants March 2023
18.	M.sc. Homeland Security Semester 11 students	National Bomb Data Centre (NBDC) of National Security Guard (NSG), Manesar for an educational visit
19.	M.Sc. And B.Sc. 1st Semester Forensic Science students	3 hours Workshop on Advancement in Crime Scene Management
20.	M.sc. Homeland Security	Arranged a talk on 'security study' by Prof s.k.jha, dean school of national security studies, central university of Gujarat on '18 September 2022'
21.	M.Sc. Forensic Science	Paper published 1. Vandana and Rohatgi, R. (2022). Sex determination by Pelvis - A mini Literature Review, International Journal for Research in Applied Science & Engineering Technology (IJRASET) Vol 10, Issue 5, Pg no. 1008-1017 (UGC-care) 2. N S Gupta, S Gupta, Vandana, R Rohtagi (2023). Role of Orthodontics in Forensic Facial Reconstruction for Human Identification, Journal of Forensic Medicine and Toxicology (JFMT), Vol.40, Issue 1. (SCOPUS)
22.	MSc Forensic Science 2nd Sem Students	Conducted a visit at AIIMS, Delhi to gain exposure to the Post-mortem Examination on 13th, 23rd and 27th July, 2023.
23.	MSc Forensic Science 1st sem and BSc MSc Forensic Science 1st sem	Academic Event conducted • Conducted a "Workshop on Advancements in Crime Scene Management" for MSc Forensic Science 1st sem and BSc MSc Forensic Science 1st sem Students on 27/09/2022 • Conducted a special Lecture by Dr Harsh Sharma Director (Retd) FSL Sagar (M. P.) on "Crime Scene Management – Case studies" was conducted for MSc Forensic Science 1st sem and BSc MSc Forensic Science 1st sem Students on 20/10/2022. Conducted A special lecture by Dr Sujata Hajra, Senior R & D manager (Molecular Biology), HiMedia laboratory Pvt. Ltd. for MSc Forensic Science 3rd Semester students on 16th and 17th December 2022.
24.	M.Sc Forensic Science	Presentation i. ARYA SURESH BABU - Poster presentation at 2nd International conference held at Galgotias University. Poster presentation at 2nd International conference held at VGU- Jaipur. ii. Rupal Roy Paper presentation at 2nd international conference held at VGU Jaipur iii. Vandana Presented Poster on "Soil Analysis using Instrumental Techniques" in 25th All India Forensic Science Conference organised by NFSU

Sr. No.	Student Name, Course Name, Semester	Particulars of the Achievement
25.	MSc Forensic Science (02nd Semester) & LLM (02nd Semester)	Organised visit As a part of study visit, NFSU DC students of MSc Forensic Science (02nd Semester) & LLM (02nd Semester) visited All India Institute of Medical Sciences, New Delhi, a premier institute in healthcare, on 13th, 23rd, 30th July 2022. Students gained practical insights about the working of a mortuary in hospital setup. Observation of post-mortem examination related to various unnatural/ homicidal / accidental injuries were the major highlights of these visits. A detailed orientation was given by Prof. (Dr.) Adarsh Kumar, Department of Forensic Medicine & Toxicology, AIIMS, New Delhi. The visit was organized by Dr. Supriya Krishna, Course Coordinator.
26.	Ms. Mishra Sarita Ramchandra (Date of declaration of results- 14 th March 2023)	Ms. Mishra Sarita Ramchandra has successfully defended her PhD thesis entitled "Attenuation of Dichlorvos mimics toxicity in high glucose fed caenorhabditis elegans using ascorbic acid as an antioxidant" under the supervision of Dr. Rakhi Agarwal, Associate Prof, NFSU, Delhi campus.

Extension Activities:

Name of faculty	Extension Activities
Jayadev Dash and Shivani Sehgal	<p>Social service camps NSS- university program office(po) Activities-</p> <ol style="list-style-type: none"> 1. Camp Constitution Day Camp 2. Camp Armed Forces Flag Day 3. Camp General Bipin Rawat Punyatithi Camp International Human Rights Day 4. Camp Vijay Diwas Minority Rights Day National Mathematics Day National Youth Day-Puspanjali Swachh Bharat Abhiyan Camp 74th Republic Day Celebration Clueminati Pashumitra Competition International Women's Day Self Defence Training Course National Survey Training Course One Day Think India Service Camp Gd Ambedkar Jayanti
	
Dr.Sulbha Rai	<ol style="list-style-type: none"> 1) Clean my Village Campaign' in Dharampura Village, Nazafergarh, Delhi 2) Awareness Program on Literacy and Drug Abuse' for young adolescents from De-notified Tribes communities.
Dr. Tanvi Yadav	NCC Girls- Visit of Brigadier to meet Cadets

Details of events:

Camp Code	Name Of The Camp	Date	Duration	Number Of Volunteers Participated	Boys	Girls
C-1	ORIENTATION-1 CAMP	25.11.2022	1 DAY	80	22	58
C-2	CONSTITUTION DAY CAMP	26.11.2022	1 DAY	35	8	27
C-3	ORIENTATION-2 CAMP	03.12.2022	1 DAY	80	22	58
C-4	ARMED FORCES FLAG DAY	07.12.2022	1 DAY	20	0	20
C-5	ORIENTATION-3 CAMP	08.12.2022	1 DAY	85	25	60
C-6	GENERAL BIPIN RAWAT PUNYATITHI CAMP	08.12.2022	1 DAY	25	0	25
C-7	INTERNATIONAL HUMAN RIGHTS DAY	10.12.2022	1 DAY	50	20	30
C-8	ORIENTATION-4 CAMP	10.12.2022	1 DAY	85	25	60
C-9	VIJAY DIWAS	16.12.2022	1 DAY	35	10	25
C-10	MINORITY RIGHTS DAY	18.12.2022	1 DAY	60	25	35
C-11	NATIONAL MATHMETICS DAY	22.12.2022	1 DAY	25	25	0
C-12	NATIONAL YOUTH DAY-PUSPANJALI	12.01.2022	1 DAY	50	25	25
C-13	SWACHH BHARAT ABHIYAN CAMP	25.01.2023	1 DAY	60	25	35
C-14	74TH REPUBLIC DAY CELEBRATION	26.01.2023	1 DAY	50	25	25
C-15	CLUEMINATI	10.02.2023	1 DAY	60	30	30
C-16	PASHUMITRA COMPETITION	01.03.2023 - 20.06.2023	3 MONTHS	30	22	8
C-17	INTERNATIONAL WOMENS DAY	08.03.2023	1 DAY	35	35	0
C-18	SELF DEFENCE TRAINING COURSE	20.03.2023 - 31.03.2023	10 DAYS	100	50	50
C-19	NATIONAL SURVEY TRAINING COURSE	28.03.2023	1 DAY	100	50	50

NCC Camp/Activities/Events/Programs

NCC CAMPS/EVENTS/ACTIVITIES SINCE DT. 07.11.2022					
Camp Code	Name Of The Camp	Date	Duration	No. Of Cadets Participated	Boys Cadets
NCC-ARMY-SD1	Orientation-1 Camp	25.11.2022	1 DAY	54	54
NCC-ARMY-SD2	Orientation-2 Camp	03.12.2022	1 DAY	54	54
NCC-ARMY-SD3	Orientation-3 Camp	08.12.2022	1 DAY	54	54
NCC- ARMY-SD4	Orientation-4 Camp	15.12.2022	1 DAY	54	54
NCC- ARMY-SD5	Republic Day	26.01.2023	1 DAY	40	40
NCC- ARMY-SD5	Selection Day	30.03.2023	1 DAY	54	54



Visit by VIPs/Delegations/Guests etc.:

S. No.	VIPs/Delegations/Guests	Duration
1	2 weeks trg. Cum attachment in Forensic Document Examination at Doc. Divn.	23 May to 3rd June, 2022
2	CBI Visit	6th May, 2022
3	NHRC(Maldives Officers) Visit	24th May, 2022
4	CBI Visit	10th June, 2022



5	BSF Visit	5th July, 2022
		
6	BSF Visit	13 Sept. 2022
7	NSG	20 Oct. 2022
8	CBI Visit	16 Dec., 2022
		
9	BSF Visit	22 Dec., 2022
10	BSF Visit	16 Feb., 2023
11	CBI Visit	23 Feb., 2023
12	UK Delegates	3 Feb., 2023



13

Expert lecture was delivered by Prof. John Winterdyk from Eminent Criminologist in Canada

09 Feb, 2023



14

Leeds Buckett University Visit (Mr. Joe Rossiter and Ms. Shaila Shivdas)

28 Feb, 2023



15

Expert lecture was delivered by Dr. Shanky Verma welfare officer Tihar Jail

31st March, 2023



Miscellaneous:

Sr.No.	Particular	Total No.
(a)	Conference/ Workshop/ Seminar/ Webinar Organized	2
(b)	Research projects	2
(c)	Conference Paper presented	10
(d)	Journal Paper published	31
(e)	Conference/ Workshop/ Seminar/ Webinar participated	64
(m)	Patents/ copyrights	4
(n)	Book/Chapters	5

Library Facilities:

Number of Books (Hard Copies) held Programme-wise –

LNJN NICFS Library is in existence since 1972 and as such, it has an excellent collection of books on Forensic Science, Law, Criminology, Psychology, Sociology etc. Details of books held in the Library subject-wise are given below:-

1) Total number of books (Hard Copies) - 17727
(As per Accession Register up to 31.3.2023)

2) Subject-wise collection:

(i)	Forensic Science	-	2187
(ii)	Law	-	2941
(iii)	Criminology	-	3130
(iv)	Psychology	-	959
(v)	Sociology	-	1191
(vi)	Management	-	1229
(vii)	Computer Science	-	1678
(vii)	Misc/Other subjects	-	4412

Books / Magazines / Journals details

Sr. No.	Particulars	Quantity
(i)	No. of books procured during 2022-23	3036
(ii)	No. of Magazines subscribed during FY 2022-23	21
(iii)	No. of Journals procured during FY 2022-23	
	a) Physical	05
	b) Online (JSTOR, SCC/Hein Online, Manupatra, LiveLaw)	05

GOA CAMPUS



About Campus/Academy:

NFSU Goa is the first ever campus of National Forensic Sciences University in the western coastal belt of India. NFSU Goa was inaugurated on 14th October 2021, by the Hon'ble Union Home Minister of India, Shri Amit Shah. The Institution started functioning as a full-fledged campus from its transit location at Curti, Ponda. Currently four academic programs namely; Integrated B.Sc.-M.Sc. Forensic Science (five-year program), M.Sc. Forensic Science, M.Sc. Cyber Security, M.Sc. Digital Forensic and Information Security are being conducted at NFSU Goa campus. Within a short span of time the campus has established a state-of-the-art laboratories in the domain of 'Forensic Biology', 'Forensic Chemistry', 'Forensic Physics', 'Questioned Documents' and 'Fingerprints' and 'Computer Forensics'. The work on Cyber Security, Digital Forensics and Training Lab is in progress. In addition to the academic programs, NFSU Goa has been organizing International and National Conferences, Seminars, and training programs in the specialized areas of Forensic Sciences. The vision is to develop NFSU Goa Campus as a "Centre of Excellence" offering education and research opportunities of a very high standard in Forensic & allied Sciences, thereby creating conducive ambience and atmosphere for intellectual stimulation, and develop the overall personality of the students. The Campus strives to set global standards to make students technologically superior and ethically strong.

Highlights of Activities of the Campus:

Nestled in the lush green southern part of coastal state Goa, NFSU Goa is the first Campus of National Forensic Sciences University in the western coastal belt. The transit campus of NFSU Goa is located in the picturesque town of Ponda. Hon'ble Union Minister of Home Affairs, India inaugurated NFSU Goa Campus on 14 October 2021 and within a short span of time, the Campus started functioning as a full-fledged Academic Institution. NFSU Goa is offering four specialized academic programs in the niche areas of Forensic Sciences and Cyber security, namely- Integrated B.Sc.-M.Sc. Forensic Science (5-Years), M.Sc. Forensic Science, M.Sc. Digital Forensics and Information Security and M.Sc. Cyber Security. Besides Academic programs, the Campus is also conducting short-term training programs to promote 'Forensic Best Practices' in the western region and Goa state in particular. As a part of the focus driven approach to raise the awareness, International Conferences, Symposia and Workshops in the relevant areas of forensic and allied sciences are being regularly organized by the campus. The vision is to develop NFSU Goa campus as a "Centre of Excellence" offering education and research opportunities of a very high standard in forensic & allied sciences, thereby creating conducive ambience and atmosphere for intellectual stimulation, and develop the overall personality of the students, instilling high level of discipline. The campus strives to set global standards to make students technologically superior and ethically strong. The reporting year 2022-23 had been an eventful year for the NFSU Goa. The Campus organized a range of academic, training and extra-curricular activities.

List of Programs offered:

Sr. No.	Program Name	Campus	Duration
1	M.Sc. Forensic Science	Goa	2 years
2	B. Sc. M. Sc. Forensic Science (5-Year Integrated)	Goa	5 years
3	M.Sc. Cyber Security	Goa	2 years
4	M.Sc. Digital Forensics & Information Security	Goa	2 years

List of Faculty Members:

Sr. No.	Faculty name	Designation	Qualifications	Specialization/ Interest Area
1	Dr. Naveen Kumar Chaudhary	Campus Director	Ph. D (Engineering)	Cyber Security& Digital Forensics
2	Dr. Rajendra Kumar Sarin	Professor	Ph.D (Chemistry)	Forensic Chemistry & Toxicology
3	Dr Rakesh Yadav	Associate Professor	Ph.D (Pharmaceutical Sciences)	Pharmaceutical Sciences
4	Dr. Lokesh Chouhan	Associate Professor	Ph. D (Computer Science)	Cyber Security
5	Dr. Raj Kumar Jaiswal	Assistant Professor	Ph.D.	Cyber Security,
6	Dr. Vikash Kumar Rai	Assistant Professor	Ph.D. (Computer Science and Engineering)	Cyber Security
7	Dr. Saroj Prasad Babar	Assistant Professor	Ph.D. Biochemistry and Cell Biology	Cancer Cell Biology/Forensic Biology/Nano Biotechnology
8	Dr. Suryakant Patil	Assistant Professor	Ph.D (Chemistry)	Forensic Chemistry/Toxicology/Narcotics
9	Dr. Manisha Mann	Assistant Professor	Ph.D. Forensic Sciences (Questioned Documents)	Questioned Documents, Fingerprints
10	Dr Sandeep Munjal	Assistant Professor	Ph.D (Physics)	Fingerprint, Nanomaterials, Device Fabrication
11	Dr. Sweta Nidhi	Assistant Professor	Ph.D. in (Genomics & Bioinformatics)	
12	Mr. Saurabh Patil	TRA	Integrated M.Sc.	Genomics, Population Genetics
13	Dr. Kashinath Chandelkar	TRA	Ph.D (Computer Science)	Cyber security, Information Retrieval, Data Science
14	Ms. Glorita Fernandes	TRA	M.Sc. Forensic Science	Forensic Chemistry, Forensic Toxicology and Pharmacology, Narcotics, Fire and Explosives
15	Ms. Mrinmayee Kale	TRA	MSc Forensic Science	Forensic Physics, Forensic Ballistics, Forensic Photography, Questioned Documents

16	Mr. Abhishek Singh	TRA	MSc Forensic Science	Specialization Forensic Biology, Serology and DNA profiling)
17	Dr. Akshata Naik	TRA	Ph.D (Computer Science)	Machine Learning, Data Science, Artificial Intelligence
18	Dr. Ajit Muzumdar	TRA	Ph.D (Computer Science)	Blockchain, Machine Learning, Cryptography, Information Security
19	Ms. Hepi Suthar	TRA	M.Tech (Cyber Security & Incident Response)	Cyber Security, Cyber Forensic, Malware

Publications:

Research Paper:

Articles with NFSU Affiliations

1. Bose, S., Sinha, A., Munjal, S., & Ghosh, S. (2022). Magnetic field induced Fréedericksz transition in a system of ultrafine spherical CoFe₂O₄ nanoparticles doped 7CB media. *Journal of Molecular Liquids*, 368, 120688. <https://doi.org/10.1016/j.molliq.2022.120688>
2. Chaudhary, N. K. (2022). Conceptual Model of Counter-drone System to Overcome the Current Underlying Technology Limitations. *NFSU Journal of Cyber Security*, 1(1), 1.
3. Ghatge, P., Shikalgar, P., Kumbhar, P., Patil, S., & Kolekar, S. (2022). Cd Removal from Aqueous Medium using Various Modified / Non-Modified Adsorbent Materials: A Review REVIEW. *Bulletin of Environment, Pharmacology and Life Sciences*, 1(May), 175–182.
4. Gundu, S. R., Charanarur, P., Chandekar, K. K., Samanta, D., Poonia, R. C., & Chakraborty, P. (2022). Sixth -Generation (6G) Mobile Cloud Security and Privacy Risks for AI System Using High-Performance Computing Implementation. *Wireless Communications and Mobile Computing*, 2022, 1–14. <https://doi.org/10.1155/2022/4397610>
5. Pandey, V., Adiba, A., Munjal, S., & Ahmad, T. (2022). Optical bandgap tuning of cubic spinelCo₃O₄ by annealing temperature. *Materialia*, 26, 101554.<https://doi.org/10.1016/j.mtla.2022.101554>
6. Adiba, A., Pandey, V., Ahmad, T., & Munjal, S. (2023). Multilevel resistive switching with negative differential resistance in Al/NiO/ZnFe₂O₄/ITO ReRAM device. *Physica B: Condensed Matter*, 654, 414742. <https://doi.org/10.1016/j.physb.2023.414742>
7. Adiba, A., Waris, Munjal, S., Khan, M. Z., & Ahmad, T. (2023). Piezo-photocatalytic degradation of organic pollutant by a novel BaTiO₃-NiO composite. *The European Physical Journal Plus*, 138(5), 408. <https://doi.org/10.1140/epjp/s13360-023-04029-7>
8. Chaudhary, N., & Singh, I. (2023). A study on methodology on VoIP based communication investigation through network packet analysis. *International Journal of Electronic Security and Digital Forensics*, 1(1), 1. <https://doi.org/10.1504/IJESDF.2023.10052265>
9. Chowdhary, H., & Chaudhary, N. K. (2023). MANRS Statistical analysis and adoption in india as a collaborative security tool. *Journal of Cyber Security Technology*, 1–18. <https://doi.org/10.1080/23742917.2023.2175527>
10. Kakade, K. A., Ghatge, K. S., Jaiswal, R. K., & Jaiswal, R. (2023). A Novel Approach to Forecast Crude Oil Prices Using Machine Learning and Technical Indicators. *Journal of Advances in Information Technology*, 14(2), 302–310. <https://doi.org/10.12720/jait.14.2.302-310>
11. Pandey, V., Adiba, A., Munjal, S., & Ahmad, T. (2023). Bipolar resistive switching with multiple intermediate resistance states in Mn₃O₄ thin film. *Materials Today Communications*, 34, 105484. <https://doi.org/10.1016/j.mtcomm.2023.105484>
12. Panem, C., Rane, U. V., & Gad, R. S. (2022). Data of multilayer mesh NoC performance analysis for throughput and delay over FTP and CBR applications. *Data in Brief*, 42, 108196. <https://doi.org/10.1016/j.dib.2022.108196>
13. Paschal Mgembe, I., Ladislaus Msongaleli, D., & Chaudhary, N. K. (2022). Progressive Standard Operating Procedures for Darkweb Forensics Investigation. 2022 10th International Symposium on Digital Forensics and Security (ISDFS), 1–3. <https://doi.org/10.1109/ISDFS55398.2022.9800830>
14. Pathak, G., & Mann, M. (2022). A comparative study on security features of excise stamp of Nepal, Russia, Canada, India, European Union and USA. *International Journal of Medical Toxicology & Legal Medicine*, 25(3and4), 127–136. <https://doi.org/10.5958/0974-4614.2022.00063.8>
15. Shikalgar, P., Ghatge, P., Kumbhar, P., & Patil, S. (2022). Adsorption of Hexavalent Chromium for Waste Water Remediation by Various Adsorbents - A Review Article. *Bulletin of Environment, Pharmacology and Life Sciences*, 1(May), 189–196.
16. Singh, J., & Chaudhary, N. K. (2022). OAuth 2.0: Architectural design augmentation for mitigation of common security vulnerabilities. *Journal of Information Security and Applications*, 65, 103091. <https://doi.org/10.1016/j.jisa.2021.103091>
17. Singh, I., Chaudhary, N. K., & Dahir, M. Z. (2023). Analysis of VOIP Security through VAPT and Network Packet Analysis. *Journal of North-Eastern University*, 26(1).

Other Articles:

18. Bhambara, A. K., Singh, A., Sahajpal, V., Thakur, M., Bhandari, D., Sharma, S., & Thakar, M. K. (2022). Evaluation of genetic polymorphisms at 21 autosomal STR loci in Ramgharia Sikh population of Punjab, India. *Annals of Human Biology*, 49(5–6), 263–268. <https://doi.org/10.1080/03014460.2022.2126888>
19. Joshi, B. D., Singh, S. K., Singh, V. K., Jab in, G., Ghosh, A., Dalui, S., Singh, A., Priyambada, P., Dolker, S., Mukherjee, T., Sharief, A., Kumar, V., Singh, H., Thapa, A., Sharma, C. M., Dutta, R., Bhattacharjee, S., Singh, I., Mehar, B. S., ... Thakur, M. (2022). From poops to planning: A broad non-invasive genetic survey of large mammals from the Indian Himalayan Region. *Science of The Total Environment*, 853, 158679. <https://doi.org/10.1016/j.scitotenv.2022.158679>
20. Kumbhar, P., Patil, S., Narale, D., Sartape, A., Jambhale, C., Kim, J. -H., & Kolekar, S. (2022). Biobased carbon for effective removal of rhodamine B and Cr(VI) from aqueous solution: kinetic, isotherm and thermodynamic study. *Biomass Conversion and Biorefinery*, 1, 1030. <https://doi.org/10.1007/s13399-022-02625-8>
21. Pandey, V., Adiba, A., Ahmad, T., & Munjal, S. (2022). Forming-free bipolar resistive switching characteristics in Al/Mn3O4/FTO RRAM device. *Journal of Physics and Chemistry of Solids*, 165, 110689. <https://doi.org/10.1016/j.jpcs.2022.110689>
22. Patil, S. A., Kumbhar, P. D., Satvekar, B. S., Harale, N. S., Bhise, S. C., Patil, S. K., Sartape, A. S., Kolekar, S. S., & Anuse, M. A. (2022). Adsorption of toxic crystal violet dye from aqueous solution by using waste sugarcane leaf-based activated carbon: isotherm, kinetic and thermodynamic study. *Journal of the Iranian Chemical Society*, 19(7), 2891–2906. <https://doi.org/10.1007/s13738-022-02500-3>
23. Sachdeva, S., Sachdeva, A. K., Yadav, D., & Yadav, R. (2022). Lycopene ameliorates chronic fatigue syndrome in Murine Water Immersion Stress Model Mice. *Bulletin of Environment, Pharmacology and Life Sciences*, 12(December), 170–193.
24. Sao, A. K., Singh, J. P., & Munjal, S. (2022). CdS-SnO2 Nanocomposite Sensor for Room Temperature Detection of NO2 Gas. *Sensing Technology*, 22, 283–289. https://doi.org/10.1007/978-3-030-98886-9_22
25. Singh, V. K., Joshi, B. D., Singh, A., Singh, S. K., Chandra, K., Sharma, L. K., & Thakur, M. (2022). Genetic diversity and population structure of the northern red muntjac (*Muntiacus vaginalis*) in Indian Himalayan region. *Mammalian Biology*, 102(2), 537–544. <https://doi.org/10.1007/s42991-022-00254-2>
26. Thakur, S., Sharma, R., Yadav, R., & Sardana, S. (2022). The Potential of Thiazole Derivatives as Antimicrobial Agents. *The 26th International Electronic Conference on Synthetic Organic Chemistry*, 36. <https://doi.org/10.3390/ecsoc-26-13673>
27. Yadav, K., Yadav, D., Bhandari, D. D., & Yadav, R. (2022). Identification of 1,3-(Dimethyl / Propyl)-8-Substituted (Cinnamic acid/Furan) Xanthine Derivatives with Anti-bronchospasmodic Activity Using in silico and in vivo Techniques. *ChemistrySelect*, 7(17), 202200377. <https://doi.org/10.1002/slct.202200377>
28. Nidhi, S., Tripathi, P., & Tripathi, V. (2023). Phylogenetic Analysis of Anti-CRISPR and Member Addition in the Families. *Molecular Biotechnology*, 65(2), 273–281. <https://doi.org/10.1007/s12033-022-00558-1>
29. Priyambada, P., Singh, V. K., Singh, A., Joshi, B. D., Dalui, S., Wangmo, L. K., Ghosh, A., Thapa, A., Singh, S. K., Chandra, K., Sharma, L. K., & Thakur, M. (2023). Noninvasive genetic monitoring of Chinese pangolin (*Manis pentadactyla*) from Darjeeling district of Northwest Bengal, India. *Wildlife Letters*, 1–8. <https://doi.org/10.1002/wll2.12005>
30. Sharma, S., Sahajpal, V., Singh, A., Yadav, R., Thakur, M., Bhandari, D., Ranga, S., Kadian, L., & Yadav, C. (2023). Genetic Diversity of Autosomal STR Markers in the Brahmin Population of Rajasthan and Haryana: Significance in Population and Forensic Genetics. *Sovremennye Tehnologii v Medicine*, 15(1), 63. <https://doi.org/10.17691/stm2023.15.1.07>
31. Yadav, N. K., & Yadav, R. (2023). Medicinal Effects, Phytochemistry, Pharmacology of *Euphorbia prostrata* and Promising Molecular Mechanisms. *Chinese Journal of Integrative Medicine*, 1, 1–12. <https://doi.org/10.1007/s11655-023-3544-0>

Books

1. 'Mentoring 20/20: Global Mentoring to Inspire and Set the World Afire' Authors: Jerry F. Miller, Dr. S.S. Iyengar, Dr. Anitha Kurup, Dr. Naveen Kumar Chaudhary.
2. 'Information Security, Privacy and Digital Forensics, Select Proceedings of the International Conference, ICISPD 2022, Series title: Lecture Notes in Electrical Engineering, Springer' Authors: Sakita Patel, Naveen Kumar Chaudhary, Bhavesh N Gohil, S. S. Iyengar.
3. 'Digital Image processing for Real-time applications' published by 'Jayalakshmi Publication' in May 2022. ISBN:978-93-91987-77-0 Authors: Dr. Panem Charanarur.
4. 'Mobile Architecture & Application Development' published by 'Jayalakshmi Publication' in 'July & 2022'. ISBN:978-93-91987-76-3 Authors: Dr. Panem Charanarur

Book Chapters:

1. A mini review on - Physically Unclonable Functions: The Hardware Security Primitives, Book: *Lecture Notes in Electrical Engineering*, Springer; ICISPD, Goa, 2-3 Dec 2022 Authors - Harsh Panchal, Naveen Kumar Chaudhary and Sandeep Munjal.
2. Lightweight Malicious Packet Classifier for IoT Networks, Book: *Lecture Notes in Electrical Engineering*, Springer; ICISPD, Goa, 2-3 Dec 2022 Authors - Sina Nabavi, S. S. Iyengar, Naveen Kumar Chaudhary.
3. Sensor Fusion and Pontryagin Duality, Book: *Lecture Notes in Electrical Engineering*, Springer; ICISPD, Goa, 2-3 Dec 2022 Authors - Jayakumar S., S. S. Iyengar, Naveen Kumar Chaudhary.

- Resilient Risk based Adaptive Authentication and Authorization (RAD-AA) Framework, Book: Lecture Notes in Electrical Engineering, Springer; ICISPD, Goa, 2-3 Dec 2022 Authors - Singh, Jaimandeep, Chintan Patel, and Naveen Kumar Chaudhary.
- Cyber Security Attack Detection Framework for DODAG Control Message Flooding in an IoT Network, Book: Lecture Notes in Electrical Engineering, Springer; ICISPD, Goa, 2-3 Dec 2022 Authors - Jerry Miller and Naveen Kumar Chaudhary.
- Fog Forensics: A Comprehensive Review of Forensic Models for Fog Computing Environment, Book: Lecture Notes in Electrical Engineering; Springer, ICISPD, Goa, 2-3 Dec 2022 Authors - Konrad Śniatała, Yashas Hariprasada, Latesh Kumar K. J., Naveen Kumar Chaudhary and Michał Weissenberg—.
- Advance Rival Combatant identification with hybrid machine learning techniques in war field, Green industrial application of AI and IoT, Bentham Science Publisher, April 2022 Authors- Panem Charanarur and Kashinath Chandelkar.
- Vehicle Theft Detection and Tracking using surveillance video for the Modern Traffic Security Management System, International Conference on Information Security, Privacy, and Digital Forensics, Goa, 2nd – 3rd Dec, 2023. Authors- Ashish Kamboj, Lokesh Chouhan, Charanarur Panem, Naveen Kumar Chaudhary.
- Peptide and peptidomimetic-based vaccines, Peptide and Peptidomimetic Therapeutics, 10.1016/B978-0-12-820141-1.00008-X Authors - Abhishek Singh

Details of Scientific Assistant/ Research Fellows

Sr. No.	Name and Designation	Qualifications	Specialization/ Interest Area
1	Harsh B. Panchal	M.Tech, MBA	Cyber Security, Digital Forensics, OSINT, Drone Forensic, DarkWeb, Startup
2	Rajesh Kumar Mitra	M.Sc. Forensic Science	Cyber Security, Digital Forensics, Multimedia Forensics

National Collaborations:

- Collaborated with Goa Forest Department for the forensic capacity building of their front line workers and Assistant Public Prosecutors of Goa Forest
- Collaborated with FSL Goa for Lab work of the faculty and staff.

International Collaborations:

- Collaborated with Knight Foundation School of Computing and Information Sciences, FIU for two days' workshop on AI powered Digital Forensics from 5- 6 Dec 2022.\

SSIP projects:

Name of faculty	Title of project	Duration	Cost (INR)	Sponsoring Agency
Mr. Harsh Panchal	Strotrpragyna	6 months	4,00,000/-	NFSU, SSIP

Start-up initiatives by Faculty and students:

Name of faculty/ Student	Name of the Startup	Area	Cost (INR)	Sponsoring Agency
Mr. Harsh Panchal	Ansh Tech Labs	Cyber Security and Digital Forensics	4,00,000/ -	NFSU, SSIP

Faculty Achievements and Recognition:

Name of faculty	Achievement / Recognition
Dr. Naveen Kumar Chaudhary	Best Paper of the Year 2022 Award - Sina Nabavi, S. S. Iyengar, Naveen Kumar Chaudhary "Lightweight Malicious Packet Classifier for IoT Networks", ICISPD, Goa, 2-3 Dec 2022.
Dr. Naveen Kumar Chaudhary	Appointed Courtesy Research Professor in the Knight Foundation School of Computing and Information Science, Florida International University, Miami USA.
Dr. Naveen Kumar Chaudhary	Editor-in-Chief NFSU International Journal of Cyber-Security and Digital Forensics
Dr. Naveen Kumar Chaudhary	The faculty served as the General Chair in International Conference on Information Security, Privacy and Digital Forensics (ICISPD 2022) organized by the National Forensic Sciences University (NFSU) Goa Campus in collaboration with Sardar Vallabhbhai National Institute of Technology, (SVNIT) Surat, and Birla Institute of Technology and Science- Pilani, Goa Campus, (BITS-Goa)
Dr. Lokesh Chouhan	The faculty served as the Co-General Chair in International Conference on Information Security, Privacy and Digital Forensics (ICISPD 2022) organized by the National Forensic Sciences University (NFSU) Goa Campus in collaboration with Sardar Vallabhbhai National Institute of Technology, (SVNIT) Surat, and Birla Institute of Technology and Science- Pilani, Goa Campus, (BITS-Goa)
Dr. Naveen Kumar Chaudhary	Drafted syllabus for Cyber security subject at UG and PG level as a part of High level UGC constituted committee. The proposed curriculum has been accepted for implementation across all the streams at UG/PG level.
Dr. Sandeep Munjal	The faculty has been awarded with the India Most Cited Award in Physics by Institute of Physics Publishing (United Kingdom)
Abhishek Singh	The faculty received second position in Forensic Biology group at Forensic Hackathon 2023 competition held under the aegis of All India Forensic Science Conference 2023 for his research work on <i>Ambergris</i> . He was awarded citation and cash award of Rs. 3,00,000/-
Harsh Panchal	Presented Project under Innovation Category at 7th INTERPOL Digital Forensic Expert Group Meeting 2022 held at NFSU Gandhinagar from 08 - 10 October 2022.
Harsh Panchal	Presented innovative solution in Cyber Threat Intelligence at All India Forensic Science Conference 2022 held at NFSU Gandhinagar from 02-04 Feb 2023.

Academic and Training Activities:

- NFSU Goa in collaboration with SPES's Goa Multi-Faculty College, Dharbandora, organized a two-day state level workshop titled "Cyber Security and Cyber Forensic" on 13th and 14th May 2022 at Deputy Collector Hall, Dharbandora, Goa.
- NFSU Goa organized a national symposium on "Death Deserves Dignity" The Way we Look at it in collaboration with Indian Academy of Forensic Medicine, Goa office on 14th August 2022 at South District Hospital Auditorium, Margao, Goa.
- NFSU Goa organized two-day International Conference on Information Security, Privacy and Digital Forensics 2022 from 2-3rd December 2022 at Goa in collaboration SVNIT Surat and BITS, Goa.
- NFSU Goa Campus organized a two-day workshop on AI powered Digital Forensics from 5- 6 Dec 2022. Dr. S.S. Iyengar, Distinguished Professor FIU, USA, and Chair Professor NFSU, conducted expert sessions for faculties and students of NFSU Goa Campus.

- v) NFSU Goa conducted a capacity-building cum training program on "Wildlife Forensics" for the frontline staff and Assistant Public Prosecutors of Goa Forest Department from 10 - 11 December 2022 at NFSU Goa Campus and Bondla Wildlife Sanctuary, Goa.
- vi) An online workshop on "Crime Data Analytics and Visualization", was conducted for LEAs/FSLs/CFSs from 27 - 28 Jan 2023. At NFSU Goa.
- vii) A two-day workshop on Crime Scene Management was organized from 2nd - 3rd March 2023 at NFSU Goa.
- viii) A four day training program titled "Forensic Aspects of Fire and Arson Investigation" was conducted from 14-17 March 2023 for the ONGC Fire Safety Executives.

Sports Activities: In addition to academic activities, NFSU Goa Campus also conducted various sports activities to promote the spirit of sportsmanship and importance of physical fitness among the students and faculty members through inter-house sports tournaments. The details of the sports events are as under:

- i) NFSU Goa organized Fitathon-2022 on 29th August 2022 on National Sports Day in the honor of legendary hockey player Major Dhyani Chand, birth anniversary. The motto of Fitathon-2022 was to inspire our nation's youth to opt for a healthy and fit lifestyle. It was a fitness run of 3.5 km.
- ii) A one-day Inter House Futsal tournament was organised on 26th November 2022. The tournament featured four houses, namely Ultra Unicornis, Majestic Maximus, Timeless Tigris, and Legendary Leo, each of which fielded a team to compete against every other house. The tournament consisted of seven matches, including six league matches and a final. The Majestic Maximus won the final match.
- iii) An inter-house Volleyball tournament was conducted on 11th February 2023, Majestic Maximus won the volleyball match.
- iv) A Cricket tournament was held on 25th March 2023, Timeless Tigris won the final match.

Training imparted by the School:

Sr. No.	Brief Details of Training	From	To
1	Capacity building and training of forest frontline staffs and Assistant Public Prosecutors on Wildlife Forensics for Goa Forest Department officials.	10.12.2022	11.12.2022

Training received by Faculty and Staff members :

Name of faculty/ Staff	Brief Details of Training	From	To
Dr. Pratik Patel, Assistant Professor Dr. Saroj Babar, Assistant Professor Dr. Suryakant Patil, Assistant Professor Dr. Panem Charanarur, Assistant Professor Mr. Kashinath Chandelkar, TRA Mr. Saurabh Patil, TRA Ms. Glorita Fernandes, TRA Mrs. Mrinmayee Kale, TRA Mrs. Aishvarya Dave, Visiting Faculty/-	A two-week Faculty Development Program was organized for the faculty members of NFSU Goa at Goa State Forensic Laboratory, Verna, Goa from 23-05-2022 to 03-06-2022. During this period all the faculty members received training in various areas of Forensic Sciences like Forensic Biology/Serology, Forensic Chemistry and Toxicology, Ballistics, Fingerprints and Computer and Mobile Forensics.	23.05.2022	03.06.2022

Dr. Rajendra Kumar Sarin, Professor Dr. Lokesh Chauhan, Associate Professor Dr. Pratik Patel, Assistant Professor Dr. Suryakant patil, Assistant Professor Dr. Saroj Babar, Assistant Professor Dr. Raj K Jaiswal, Assistant Professor Dr. Manisha Mann, Assistant Professor Dr. Vikash Kumar Rai, Assistant Professor Dr. Sandeep Munjal, Assistant Professor Dr. Sweta Nidhi, Assistant Professor Ms. Glorita Fernandes, TRA Ms. Mrinmayee Kale, TRA Mr. Abhishek Singh, TRA Dr. Kashinath Chandelkar, TRA Dr. Akshata Naik, TRA Dr. Ajit Muzumdar, TRA Ms. Hepi Suthar, TRA Mr. Harsh Panchal, Scientific Assistant, Mr. Rajesh Kumar Mitra, Scientific Asst.	One Week Capacity Enhancement Program organized by NFSU Gandhinagar	03.01.2023	10.01.2023
Dr. Vikash Kumar Rai, Assistant Professor	ATA-IN19DFLMCI01, "Digital Forensics Lab Mentorship" course held at CAPT Bhopal	13.03.2023	24.03.2023

Conferences/ Workshops/ Seminars/ Webinars attended and paper presentation by faculty members:

Name of faculty/ Staff	Date	Particulars	Specification
Dr. Naveen Chaudhary Campus Director	05 th April 2022	Seminar on Cyber Safe Mission	Guest Speaker
Dr Panem Charanarur, Assistant Professor	8 – 9 April, 2022	Fourth International Conference on Materials Science and Manufacturing Technology (ICMSMT 2022)□, organized by Akshaya College of Engineering and Technology Coimbatore, Tamil Nadu	Participated
Dr. Suryakant Patil, Assistant Professor	05-06 May 2022	International Virtual Conference on Advance in Forensic Science, organized by Unit of Forensic Science, Department of Life Science, Kristu Jayanti College	Participated
Ms. Glorita Fernandes, TRA	07 May 2022	Talk on Careers in Forensic Science at St. Xaviers College, Mapusa	Resource person

Name of faculty/ Staff	Date	Particulars	Specification
Dr Panem Charanarur, Assistant Professor	13 -14 May May 2022	State Level Workshop on "Cyber Security and Cyber Forensics" held in collaboration with SPES' Government Multi-Faculty College, Dharbandora	Resourceperson
Dr. Suryakant Patil, Assistant Professor	20 – 21 May 2022	Two Days National Conference on Impact of Chemistry and Biology to the Society and Industry(ICBSI-2022), organized by Department of PG Studies and Research in Industrial Chemistry Kuvempu University, Jnana Sahyadri, Shankaraghatta -577 451, Shimoga, Karnataka.	Poster Presentation on "Adsorption of Toxic Crystal Violet Dye From Aqueous Solution By Using Waste Sugarcane Leaf Based Activated Carbon: Isotherm, Kinetic and Thermodynamic Study"
Dr. Naveen Chaudhary Campus Director	12-14 July 2022	Session on 13 July 2022 on Cyber Security, Threats, Challenges & Response: AI and Big Data Analytics as a Tool for Intelligence Assessment	Expert Speaker
Dr Panem Charanarur Assistant Professor	28-29, July 2022	Second Global Conference on Recent Developments in Computer and Communication Technologies (GC-RDCT 2022) held at A.J. Institute of Engineering & Technology, Karnataka, India during (IOP)	Paper presentation
Ms. Glorita Fernandes TRA	14 Aug 2022	National Symposium on "Death Deserves Dignity" The way we look at it organized by NFSU Goa in collaboration with Indian Academy of Forensic Medicine, Goa office at South District Hospital Auditorium, Margao, Goa	Organizer
Dr. Lokesh Chouhan Associate Professor	14.08.2022	National Symposium on "Death Deserves Dignity" The way we look at it organized by NFSU Goa in collaboration with Indian Academy of Forensic Medicine, Goa office at South District Hospital Auditorium, Margao, Goa	Organizing Member
Dr. Naveen Chaudhary Campus Director	14.08.2022	National Symposium on "Death Deserves Dignity" The way we look at it organized by NFSU Goa in collaboration with Indian Academy of Forensic Medicine, Goa office at South District Hospital Auditorium, Margao, Goa	Keynote speaker
Mr. Abhishek Singh TRA	14 -19 Aug 2022	Congress of the European society for evolutionary biology	Oral Presentation : Ancestral deconvolution confronts socio-cultural structure in western Himalayas
Dr. Saroj Babar Assistant Professor	14.08.2022	National Symposium on "Death Deserves Dignity" The way we look at it organized by NFSU Goa in collaboration with Indian Academy of Forensic Medicine, Goa office at South District Hospital Auditorium, Margao, Goa	Participation

Name of faculty/ Staff	Date	Particulars	Specification
Ms. Glorita Fernandes TRA	23 – 24 Aug 2022	National Virtual Conference on "Clinical Significance of Forensic Nursing as an Emerging Specialty in Healthcare and Nursing Practice"	Resource person
Dr. Rakesh Yadav Associate Professor	28 Sep 2022	National conference on "Method development and validation by HPLC and spectrophotometric techniques" by JJTU, Rajasthan	Resource Person
Dr. Kashinath Chandelkar TRA	06 Oct 2022	Webinar on Problem statement in cybercrime and possible research solutions by Dr. Gaurav Gupta, MeitY	Participation
Mr. Harsh Panchal Scientific Assistant	08 Oct 2022	Webinar on "Problem statement in Cybercrime and Possible Research Solutions" by Dr. Gaurav Gupta, Ministry of IT and info Tech.	Organizer
Mr. Harsh Panchal Scientific Assistant	11 Oct 2022	Webinar on 'OT Threat intelligence' by Deepak Kumar (I4C - MHA)	Organizer
Mr. Harsh Panchal Scientific Assistant	13 Oct 2022	Webinar on "Latest Trends in Cyber Crimes and Best Mitigation Strategies" by Mr Triveni Singh, IPS	Organizer
Mr. Harsh Panchal Scientific Assistant	08 Nov 2022	Presented Project at INTERPOL DFEG 2022	Resource person & Speaker
Dr. Naveen Chaudhary Campus Director	8- 10 Nov 2022	IoT, Cloud Forensics and Decentralized Data, Session 1, 7 th INTERPOL Digital Forensic Expert Group Meeting, held at NFSU	Session Speaker
Mr. Harsh Panchal Scientific Assistant	08 Nov 2022	Presented Project at All India Forensic Science Conference 2022	Resource person & Speaker
Dr. Suryakant Patil, Assistant Professor	22- 26 Nov 2022	DAE-BRNS sponsored Tenth Biennial Symposium on Emerging Trends in Separation Science and Technology (SESTEC-2022) organized by Institute of Chemical Technology (ICT), Mumbai	Oral Presentation on "Preparation of carbon nano-flakes from waste molasses for efficient adsorption of Malachite green dye"
Dr. Rakesh Yadav Associate Professor	25 – 26 Nov 2022	National conference on theme entitled Journey of a drug molecule: From Research to patient (An interdisciplinary conference) NFSU Tripura campus and IET, Bhadda , Punjab	Convener
Dr. Sandeep Munjal Assistant Professor	02 Dec 2022	International Conference on Information Security, Privacy and Digital Forensics	As Corresponding Author
Dr. Naveen Chaudhary Campus Director	02-03 Dec, 2022	International Conference on Information Security, Privacy and Digital Forensics (ICISPD 2022) organized by the National Forensic Sciences University (NFSU) Goa Campus in collaboration with Sardar Vallabhbhai National Institute of Technology, (SVNIT) Surat, and Birla Institute of Technology and Science- Pilani, Goa Campus, (BITS-Goa)	As an Author

Name of faculty/ Staff	Date	Particulars	Specification
Dr. Naveen Chaudhary Campus Director	02-03rd Dec, 2022	International Conference on Information Security, Privacy and Digital Forensics (ICISPD 2022) organized by the National Forensic Sciences University (NFSU) Goa Campus in collaboration with Sardar Vallabhbhai National Institute of Technology, (SVNIT) Surat, and Birla Institute of Technology and Science- Pilani, Goa Campus, (BITS-Goa)	General Chair
Dr. Saroj Babar Assistant Professor	02-03 Dec 2022	International Conference on Information Security, Privacy and Digital Forensics (ICISPD 2022) organized by the National Forensic Sciences University (NFSU) Goa Campus in collaboration with Sardar Vallabhbhai National Institute of Technology, (SVNIT) Surat, and Birla Institute of Technology and Science- Pilani, Goa Campus, (BITS-Goa)	Participation
Mr. Abhishek Singh, TRA	02 -03 Dec 2022	International Conference on Information Security, Privacy and Digital Forensics (ICISPD 2022) organized by the National Forensic Sciences University (NFSU) Goa Campus in collaboration with Sardar Vallabhbhai National Institute of Technology, (SVNIT) Surat, and Birla Institute of Technology and Science- Pilani, Goa Campus, (BITS-Goa)	Participation
Ms. Glorita Fernandes TRA	02 -03 Dec 2022	International Conference on Information Security, Privacy and Digital Forensics (ICISPD 2022) organized by the National Forensic Sciences University (NFSU) Goa Campus in collaboration with Sardar Vallabhbhai National Institute of Technology, (SVNIT) Surat, and Birla Institute of Technology and Science- Pilani, Goa Campus, (BITS-Goa)	Participation
		Forensic Sciences University (NFSU) Goa Campus in collaboration with Sardar Vallabhbhai National Institute of Technology, (SVNIT) Surat, and Birla Institute of Technology and Science- Pilani, Goa Campus, (BITS-Goa)	
Dr. Lokesh Chouhan Associate Professor	02-03 Dec 2022	International Conference on Information Security, Privacy and Digital Forensics (ICISPD 2022) organized by National Forensic Sciences University (NFSU) Goa Campus in collaboration with Sardar Vallabhbhai National Institute of Technology, (SVNIT) Surat, and Birla Institute of Technology and Science- Pilani, Goa Campus, (BITS-Goa)	Co-General Chair
Dr. Manisha Mann, Assistant Professor	13- 14 Dec 2022	International conference on Multidisciplinary Approaches in Forensic Science organized by GD Goenka University Gurugram (INDIA)	Oral Presentation on "A novel lifting technique for sequencing of homogeneous intersecting lines"
Dr. Lokesh Chouhan Associate Professor	22- 24 Dec 2022.	4th International Conference on Data, Engineering, and Applications 2022 (IDEA-2k22) in Bhopal	Session Chair

Name of faculty/ Staff	Date	Particulars	Specification
Dr. Sandeep Munjal, Assistant Professor	22 Dec 2022	2nd International Conference on Advanced Materials and Nanotechnology	As Corresponding Author
Dr. Sandeep Munjal Assistant Professor	22 Dec 2022	2nd International Conference on Advanced Materials and Nanotechnology	As an Author (2 papers)
Dr. Rakesh Yadav Associate Professor	22 Dec 2022	2nd ISN-APSN online school by NBRC, Manesar, Gurugram, Haryana.	Participation
Dr. Rakesh Yadav Associate Professor	26- 30 Dec 2022	A series of lecture on various characterization techniques at JJTU, Rajasthan from 26-30, December, 2022.	Resource Person
Dr. Naveen Chaudhary Campus Director	3- 10 Jan 2023	Industry Interaction, Placement Strategies & Entrepreneurship, FDP organized by NFSU.	Session Speaker
Dr. Rakesh Yadav Associate Professor	03 -10 Jan 2023	Capacity Enhancement Programme by NFSU, Gandhinagar	Participation
Dr. Rakesh Yadav, Associate Professor	23- 25 Jan 2023	Certificate of achievement and commendation for exceptional contribution to the workshop on "Safeguarding dual use materials & data using blockchain technology applications" by CRDF global.	Resource Person
Dr. Manisha Mann, Assistant Professor	31 Jan-01 Feb 2023	Forensic Hackathon, NFSU Gandhinagar	As an author
Dr. Naveen Chaudhary Campus Director	2 nd Feb 2023	Webinar on "New Drone Regulations and Implications for LEA" organized by National Crime Record Bureau, New Delhi	Expert Speaker
Mr. Abhishek Singh, TRA	02-04 Feb 2023	25th All India Forensic Science Conference	Participation
Dr. Rakesh Yadav, Associate Professor	02 -03 Feb 2023	"Know your customer-Pharma workshop" which includes industry case study, risk of PBA's and know our customer training for dual-use chemical industries by Sandia Laboratories, USA	Participation
Dr. Manisha Mann, Assistant Professor	02 – 04 Feb 2023	AIFSC 2023, NFSU Gandhinagar	As an author
Dr. Rakesh Yadav, Associate Professor	06 Feb 2023	DBT-RRSFP-SAHAJ funded workshop on LC-HRMS, Tripura University, Agartala	Resource Person
Ms. Glorita Fernandes, TRA	15 Feb 2023	"Vidnyan Dhara", a Mega Science Series Program to Celebrate National Science Day 2023, organized by Government of Goa	Resource person
Dr. Naveen Chaudhary Campus Director	1 st March 2023	Online Training on Importance of Digital Forensics in Investigation, organized by National Academy Customs, Indirect Taxes and Narcotics, Mumbai	Guest Speaker
Dr. Naveen Chaudhary Campus Director	14-18 March 2023	05 Day Online STTP on AI for Cyber Security	Keynote Speaker

Outstanding Achievements:

Sr. No.	Particular	Total No.
(a)	National/ International Conferences/ Events organized	03
(b)	Conference/ Workshop/ Seminar/ Webinar Organized	09
(c)	MoU/ Collaborations/ Partnership National	-
(d)	MoU/ Collaborations/ Partnership International	-
(e)	Research Projects	-
(f)	SSIP Projects	01
(g)	Conference Papers presented	16
(h)	Journal Paper Published	17
(i)	Conference/ Workshop/ Seminar/ Webinar participated	48
(j)	Training/ FDP attended by Faculty members	09
(k)	Training attended by Staff members	-
(l)	Training/ FDP provided by Faculty members	09
(m)	Patents/ copyrights	-

Visits of Delegations/ VIPs/ Guests etc. at University:

Sr.	Name	Designation and Affiliation	Date of Visit
1	Dr. S S Iyenger	Distinguished Professor FIU	02 - 05 Dec 2022
2	Dr. C S Rao	ADGP and Director, FSL Madhuvan Training Center, Haaryana Police	28 Feb 2023
3	Mr. R. Madhan	Director, Indo German Science and Technology Centre	20 March 2023

International and National Collaborations:

Sr. No.	Name of the Parties	Brief Description of the MoU	Financial stake, if any
1	Forensic Science Laboratory, Verna Goa	The Forensic Science Laboratory (FSL) in Verna, Goa and the National Forensic Sciences University (NFSU) Goa has signed a Memorandum of Understanding (MoU) to strengthen their collaboration. This significant partnership aims to enhance the forensic capabilities and investigative processes in Goa, ultimately contributing to more effective and efficient criminal justice outcomes.	-

Webinar Conducted:

Sr. No.	Particulars of the Webinar (Description)	No. of Participants	Details of the Faculty member
1	NFSU, Goa Campus organized a webinar on "Understanding the Basics of Forensic DNA Workflow" on 26th September 2022. The guest speaker for the webinar was Dr. Amit Gokhale, Manager of Field Applications, HID SA Team, ThermoFisher Scientific.	180	Coordinator: Dr. Saroj Babar Moderator: Dr. Sweta Nidhi Resource Person: Dr. Amit Gokhale, Manager, Field Applications, HID SA Team Thermo Fisher Scientific
2	Webinar on "OT Cyber Security and Challenges" by Dr. Naveen Kumar Chaudhary, Campus Director, NFSU was organized on 05 Oct 2022	55	Co-Ordinator Harsh Panchal
3	Webinar on "Problem Statement in Cyber Crime and Possible Research Solutions" by Dr Gaurav Mehta - Additional Director, MeitY was organized on 08 Oct 2022	77	Co-Ordinator Harsh Panchal
4	Thynk Drone : Open House Session on Drone Forensics 10 October 2022	70	Co-Ordinator Harsh Panchal
5	Webinar on "Latest Trends in Cyber Crimes & Best Mitigation Strategies" by Prof. Triveni Singh, IPS (SP, Cyber Crime, UP Police) on 13 Oct 2022	50	Co-Ordinator Harsh Panchal
6	Webinar on "5G Core Network: Security Issues and Research Direction" by Dr. Rajendra Patil (Postdoctoral Research Fellow from KTH Royal Institute of technology) on 14.10.2022	50	Co-Ordinator Dr. Ajit Muzumdar
7	The Department of Forensic Sciences of National Forensic Sciences University, Goa Campus organized an expert session on the topic "Forensic Investigation in Sexual Assault Cases" on 19th December 2022 in online mode Dr. Robert Green, Professor, School of Physical Sciences, University of Kent.	70	Co-Ordinator: Dr. Sweta Nidhi Resource Person: Dr. Robert Green, Professor, School of Physical Sciences, University of Kent.

Students Activities and Achievements. Visits/ Training/ Internship:

Sr. No.	Name of the student	Activities / Achievements
1	Ashish kamboj, M.Sc. Cyber Security	Presented a Research Papers titled, "Vehicle Theft Detection and Tracking using surveillance video for the Modern Traffic Security Management System" at International Conference on Information Security, Privacy and Digital Forensics (ICISPD 2022) organized by NFSU Goa on 2nd-3rd December 2022.

Sr. No.	Name of the student	Activities / Achievements
2	Shalini Rajan, Aaromal Venugopal, Hridhya K.K and Sreya V students of 2nd year M.Sc. Forensic Science	Presented a paper titled, "Synthesis of ZnO Nanoparticles by Precipitation Method: Characterizations and Applications in Decipherment of Latent Fingerprints" at 2nd International Conference on Advanced Materials and Nanotechnology (ICAMN 2022) on 23rd December 2023.
3	Aaromal Venugopal, Meghna Bordoloi and Varun Kashyap students of 2nd year M.Sc. Forensic Science	Presented a poster titled "A Novel Lifting Technique for The Determination of Sequence of Intersecting Ball-point Pen Strokes" at 25 th All India Forensic Science Conference 2023.
4	Vanshika Seth, 2nd year M.Sc. Forensic Science	Presented a poster titled, "Identifying the composition of commercially available toxic inhalants by using different analytical techniques" in the category of "Forensic Toxicology and Chemistry" at All India Forensic Science Conference 2023.
5	Ashtha Tiwari and Sahil Jha students of 1st year M.Sc. Forensic Science	Presented a poster titled Significance of Psychological Autopsy with rising male suicides in India at 25 th All India Forensic Science Conference 2023.
6	Aman Verma 2nd year M.Sc. Forensic Science	1st position in Poster Presentation competition organized at National Symposium on –Death Deserves Dignity – The way we look at it□ at Goa on 14 Aug 2022.
7	Aarya Dhargalkar 1 st year B.Sc. M.Sc. Forensic Science, NFSU Goa	Winner of Daijiworld TV's Konkani poetry recitation reality show 'Biri Biri Pavs' on 23August 2023.
8	Inquisitor 2023 i) Mansha Agarwal (Cross examination-2nd prize) Nittheesha Gunupudi(X word-1st prize) ii) Ayushi Beura (Crime toonist-1st prize) Manan Korant (Crime toonist-3rd prize) iii) Nittheesha Gunupudi (I-witness-1st prize) Vidushi Varshney (I-witness-2nd prize) Mude Sai vyshnavi (I-witness-3rd prize) Nittheesha Gunupudi Mansha Agarwal (Wiz-quiz team competition-2nd prize) Nittheesha Gunupudi (Room of opinion-1st prize)	Students of 1st year B.Sc. M.Sc. Forensic Science, NFSU Goa bagged first position in the national level intercollegiate forensic science fest "Inquisitor 2023" organized by Kristu Jayanti College, Bangalore from 10 to 12 March 2023.
9	Cultrang-2023 Yasheesha Sharma, Riya Reang (B.sc Msc FS 1st year) Brush the face (face painting) – 3rd Prize Muskaan Bindal (B.sc M.sc FS 2nd year) Nat Samrat (monologue) – 3rd Prize Arya Dhargalkar (B.sc Msc 1st year) Lafz (poetry) – 1st Prize Team Fire-Rangmanch (StagePlay) – 3rd Prize Muskaan Bindal (B.sc M.sc FS 2nd year) Pencil Feud (pencil sketch) 3rd Prize	Students of NFSU Goa participated in intercollegiate cultural fest Cultrang-2023 organized by IIT, Goa on 14-03-2023 and secured various prizes,

Sr. No.	Name of the student	Activities / Achievements
10	Megha J Krishna	Secured 2nd position in Fitathon 2022
11	Mansi Choudhary B.Sc. M.Sc. Forensic Science	Secured 3rd position in Fitathon 2022
12	Mr. Varun Kashyap 2nd year M.Sc. Forensic Science	Qualified UGC NET- December 2022 for Assistant Professor
13	Chinta Niyathi, 1st year B.Sc. M.Sc. Forensic Science	Participated in All India Inter University Aquatics (Men& Women Championship 2022-2023) organized by Kalinga Institute of Social Sciences, Bhubaneswar, Odisha on 26th -29th December 2022
14	Students of M. Sc. Forensic Science Batch 2021-23	Visited South Goa District Hospital, Margoa, Goa to observe Post Mortem Autopsy on 19th and 20th May 2022.

Internship Details:

Sr No.	Name of the Program	No of students	Name of the organization
1	M.Sc. Cyber Security	1	CyberCube Services Pvt. Ltd.
		3	Deloitte USI & India
		1	AKS IT
		2	NJ Finlogic Technologies
		1	CFSL Chandigarh
		1	Versa Networks
2	M.Sc. DFIS	2	Deloitte USI & India
		1	Ernst & Young
3	M.Sc. Forensic Science	18	CFSLs, FSLs, & RFSLs
		1	National Institute of Oceanography
		1	National Dope Testing Laboratory
		2	Rajendra Memorial, Research Institute

Extension Activities:

Name of faculty	Extension Activities
Dr. Manisha Mann, Dr. Sweta Nidhi, Mrinmayee Kale, Saurabh Patil	A health run of 3.5Kms-_'Fitathon 2022' was conducted on 29.08.2022 on the occasion of National Sports Day to create and promote fitness awareness amongst the students. A total of 200 participants from Ponda participated in the event and 2 students from NFSU, Goa Campus bagged second and third position in Girl's category. Megha G Krishna and Mansi Chaudhary claimed silver and bronze medals respectively.
Dr Akshata Naik	Participated in Clean Beach Drive 2022 on the occasion of International Coastal Cleanup Day on 17th Sept 2022.

Special initiatives by the Schools:

Two-day state level workshop titled "Cyber Security and Cyber Forensic" National Forensic Sciences University, Goa in collaboration with SPES's Goa Multi-Faculty College, Dharbandora, organized a two-day state level workshop titled –Cyber Security and Cyber Forensic" on 13th and 14th May 2022 at Deputy Collector Hall, Dharbandora, Goa. The Chief Guest for the function was Shri. Shobhit Saxena, IPS (SP – Cyber-crime North). The other dignitaries present at the function included Prof. Dr. R. K. Sarin, Professor, NFSU, Goa; Mr. Yogendra Yadav, Director, Lab Systems Pvt. Ltd. and Prof. Dr. Shaikh Mohammad Parvez Al -Usmani, Professor & Principal, GMFC.



National Symposium on "Death Deserves Dignity – The way we look at it"

National Forensic Sciences University, Goa campus, organized a National Symposium on "Death Deserves Dignity – The way we look at it" in collaboration with Indian Academy of Forensic Medicine, Goa office on 14th August 2022 at South District Hospital Auditorium, Margao, Goa. Forensic medicine doctors from different government hospitals around India, experts, academic researchers, faculty, and students from forensic science participated in this event.



Two-day International Conference on Information Security, Privacy and Digital Forensics 2022

National Forensic Sciences University, Goa Campus in collaboration with Sardar Vallabhbhai National Institute of Technology, (SVNIT) Surat, and Birla Institute of Technology and Science- Pilani, Goa Campus, (BITS-Goa) organized a two-day International Conference on Information Security, Privacy and Digital Forensics 2022 on 2nd and 3rd December 2022 at BITS Pilani Goa Campus and NFSU Goa Campus. Dr. Shri Pramod Sawant, Honorable Chief Minister of Goa, was the Chief Guest of the day. Shri Jaspal Singh, Director General of Police, Goa State, Rear Admiral Shri Rajiv Dhankar, Naval War College, Brigadier Shri Arvinder Singh Sawhney, Commandant 2



STC Goa, Shri Chhatrapalsinh D. Jadeja, Executive Registrar, National Forensic Sciences University, Prof. S.S. Iyengar, Distinguished Professor Florida International University and Chair Professor, Digital Forensics, National Forensic Sciences University and Prof. Suman Kundu, Campus Director, BITS-Pilani graced the occasion with their auspicious presence. 80 papers were received out of which 35 papers were accepted with an acceptance ratio of 43.75 %. 20 papers were presented online and 10 papers were presented offline. The conference was attended by around 200 participants from NFSU Goa and different prestigious universities and educational institutions across India.



D) Online workshop on Crime Data Analytics and Data Visualization was organized on 26th-27th January 2023. Workshop had four technical sessions inclusive of hands-on training. The workshop covered Data visualization and Modeling for Anomaly Detection in Crime Data, Credit Card Fraudulent Analysis, Signature based Intrusion Detection, and The Role of Data Analytics in Crime Prediction and Prevention. The event was coordinated by Dr. Ajit Muzumdar, Dr. Akshata Naik. 140 participants participated in the event.

Two days" workshop on Crime Scene Management on 02 & 03 March 2023

National Forensic Sciences University, Goa Campus, organized a two days' workshop on Crime Scene Management on 02 & 03 March 2023. ShriJaspal Singh, IPS, Director General of Police, Goa, Dr. N. P. Waghmare, Director, FSL, Goa, Prof (Dr.) Naveen Kumar Chaudhary, Campus Director, NFSU Goa, ShriOmvir Singh Bishnoi, IPS, Inspector General of Police, Goa. Delegates from Indian Navy, Indian Army and FSL, Goa, were among the participants. A total of 200 delegates participated in the conference



Visit by VIPs/Delegations/Guests etc. Brief about each visit and photographs:

Visit by Dr. S.S. Iyengar, Distinguished Professor FIU, USA, and Chair Professor NFSU

Dr. S.S. Iyengar, Distinguished Professor FIU, USA, and Chair Professor NFSU visited NFSU Goa Campus on 5th and 6th December 2022. During his visit he interacted with the faculty and students of NFSU Goa. He discussed the various opportunities of collaborations between NFSU Goa and FIU, USA and also conducted 02 days workshop for faculty and students.

Guest Visit by Dr. C. S. Rao, ADGP and Director FSL Madhuvan Training Center, Haryana Police Dr. C S Rao, ADGP and Director FSL Madhuvan Training Center, Haryana Police visited NFSU Goa Campus on 28th February 2023. He took a tour of all the Laboratories and interacted with all the faculties.

Guest visit by Mr. R. Madhan, Director, Indo-German Science and Technology Centre, New Delhi on 17.03.2023

Mr. R Madhan, the Director of Indo-German Science & Technology Centre (IGSTC) visited the Goa Campus on 17.03.2023 to discuss the latest research project and collaboration opportunities with industrial relevance between India and Germany. During his visit, he highlighted the various programs that can benefit the students and researchers of NFSU. The discussions included exploring avenues for joint research projects, fostering collaboration with industries to create innovative solutions, and establishing ties between universities and research institutions to promote knowledge sharing and skill development. Overall, the meeting was a productive exchange of ideas aimed at enhancing research and educational opportunities for the benefit of both countries.



Miscellaneous:

Training

Capacity building and training of forest frontline staffs and Assistant Public prosecutors on Wildlife Forensics

A Training was conducted to introduce the trainees to the aspects of wildlife crime, its trade, and about the short and long-term impact on survival of majestic species like the Tiger, Leopard, Rhino, Elephant, Chiru, Musk Deer, Turtle, etc. First day session began with the registration and lectures on why we need to be aware about crimes associated with wildlife and importance of wildlife investigation. Other sessions on the second day marked the mock crime scene and collection of wildlife evidences, packaging, transporting and report preparation.

The expert's shared information and experiences of the crime scene investigation with the forest guard and officers, assistant public prosecutors. The modes used were through power point presentations, lectures, dummy crime scene investigation, report formation, case discussion in the form of practical sessions and field work.

Training Program on Forensic Aspects of Fire and Arson Investigation

NFSU Goa campus successfully conducted a four day training program on "Forensic Aspects of Fire and Arson Investigation" for ONGC Fire Safety Executives from 14.03.2023 to 17.03.2023. The program aimed to train the officials on fire scene management, including strategies to prevent tampering and preserve as much evidence as possible. There were also expert lectures on the areas of Risk Assessment and Profiling, Structural Integrity and fires, Disaster Management and a mock crime scene for hands-on demonstration of investigation and management. By gaining an overview of these important forensic aspects, the trainees were equipped with the knowledge and skills needed to reconstruct events and support investigations related to fire and arson incidents.

Photos of Training Sessions:



Training imparted by the University:

Sr. No.	Name of Training	From	To	No. of Participants	Officers	Country
1	Capacity building and training of forest frontline staffs and Assistant Public Prosecutors on Wildlife Forensics	10.12.2022	11.12.2022	25	Goa Forest department officials	India
2	Training Program on Forensic Aspects of Fire and Arson Investigation	14.03.2023	17.03.2023	20	ONGC Fire Safety Executives	India



Library Facilities

Sr. No.	Particular	Quantity
(i)	No. of Books procured during FY 2022-23	480
(ii)	No. of Magazines subscribed during FY 2022-23	18
(iii)	No. of Journals procured during FY 2022-23	—
(iv)	Turnitin subscription for Faculties	16

Hostel Section, Canteen & Mess

Sr. No.	Hostel Location/Address	No. of Seats		No. of Students	
		Boys	Girls	Boys	Girls
1.	Farmagudi Residency, GTDC	20	60	15	57

Sports Facility/NSS/NCC

NFSU Goa Campus successfully conducted a competitive sports tournament in intra-campus mode under 'Battle of Houses'.

The students of NFSU Goa campus along with faculty members and multi-tasking staff members were divided into four houses namely Legendary Leo, Timeless Tigris, Majestic Maximus and Ultra Unicornis which are themes named over endangered animal species of India.

Date	Name of Organizing House / Faculty	Sports Event Organized	Name of Winner
26.11.2022	Ultra Unicornis (Mr. Saurabh Patil)	Inter house Futsal Tournament 2022	Majestic Maximus (Captain - Pranav Shetgaonkar, M.Sc. Forensic Science)
10.02.2023 & 11.02.2023	Majestic Maximus (Ms. Mrinmayee Kale)	Inter House Volleyball Tournament 2023	Majestic Maximus (Captain - Lakavath Pudim, B.Sc.-M.Sc. Forensic Science)
25.03.2023 & 26.03.2023	Timeless Tigris	Inter House Cricket Tournament 2023	Timeless Tigris (Captain- Rathalavath Swagath)

Amongst the three events conducted under 'Battle of Houses', Majestic Maximus were the proud overall winners in the year 2022-23 under the student captainship of Sudeep Deshpande and Samyukta Lokhande (Former Captains Meghna Bordoloi and Ashish Kamboj) under the guidance of Ms. Mrinmayee Kale, Dr. Suryakant Patil, Ms. Glorita Fernandes and with constant support from Mitesh Gaonkar, Mayur Velip and Sufala Gaonkar.

Name of the Sports held with number of Boys and Girls students' participation:-

- ❑ Fitathon-2022 (a fitness run of 3.5km) conducted on 29.08.2022: Total number of Participants: 200, Volunteers 30
- ❑ Futsal tournament conducted on 26.11.2023: Boys: 32, Girls: 08 Volunteers 20
- ❑ Volleyball tournament conducted on 11.02.2023: Boys: 48, Girls: 08
- ❑ Cricket match conducted on 25.03.2023: Boys: 60, Girls: 04



Achievements in Sports at International/ National/ State Level:

Chintha Niyathi (B. Sc. – M. Sc. Forensic Science)

- ❑ **Event Name:** Participated in All India Inter University Aquatics (Men & Women Championship 2022-2023)
- ❑ **Event Date:** 26th -29th December 2022
- ❑ **Organizing University:** Kalinga Institute of Social Sciences

TRIPURA CAMPUS



About Campus:

Inauguration of NFSU, Tripura (transit) Campus as well as the Bhoomi Pujan and Shilanyas of the main Srinagar Campus was done by the Hon'ble Union Home Minister and Minister of Cooperation, Government of India Shri Amit Shah on 8th March, 2022. The Transit campus is the erstwhile old campus of B. Ed. College, Near Buddha Mandir, VIP Road, Agartala, Tripura. The permanent campus will be established at Srinagar area of Tripura on a sprawling 49.21-acre land generously allocated by the Government of Tripura. Presently two programs B.Sc. -M.Sc. Integrated Forensic Science and M.Sc. Forensic Science) with total seats of 90 are being conducted in the transit campus. Unique programs like Drone Forensics, DNA Fingerprinting, Wildlife Forensics, Fraud Investigation, Cybercrime and Digital Forensics, Narcotic Drugs analysis, Criminology, Forensic Food Investigation, Homeland Security and others related to Undergraduate and Postgraduate programs are to be introduced at the NFSU-Tripura campus. In the next 4-5 years more than 30-40 Undergraduate and Postgraduate courses related to Forensic Science and allied branches including Ph.D. courses will be conducted at Tripura campus. NFSU Tripura Campus will also provide training to the Police Officers, Judges, Security Officials, Banker's, CA and Government Officials from Tripura and neighbouring states as well as countries. Centre of Excellence in Narcotic Drugs Analysis, Wildlife Crimes, Cyber Security, Forensic Food Analysis, Nanotechnology, Forensic Anthropology, Toxicological Research Centres will be established at Tripura campus in near future.

Activities in Campus/ Academy:

List of Programs offered:

Sr. No.	Program Name	Duration
1	M.Sc. Forensic Science (2021-2023)	02
2	M.Sc. Forensic Science (2022-2024)	02
3	B.Sc. – M.Sc. Forensic Science (2021-2026)	02- 05
4	B.Sc. – M.Sc. Forensic Science (2022-2027)	05
5	PhD	00
6	B.Tech. – M.Tech. CSE (2022-2027)	05

Faculty Members:

Sr. No.	Faculty name and designation	Designation	Qualifications	Specialisation/ Interest Area
1.	Dr. Panem Charanarur	Assistant Professor	Ph.D.	Data communication, and Cyber security with AI
2.	Dr. Arpan Datta Roy	Assistant Professor	Ph.D.	Physics
3.	Dr. Sanay Naha	Assistant Professor	Ph.D.	Chemistry
4.	Dr. Monisha Samuel	Assistant Professor	Ph.D.	Biological Science
5.	Dr. Rutwik Shedje	Assistant Professor	Ph.D.	Forensic Medicine and Forensic Anthropology
6.	Dr. Parvesh Sharma	Assistant Professor	Ph.D.	Questioned Documents and Multimedia Forensics
7.	Ms. Gitanjali Dass	Teaching And Research Assistant	Ph.D. (Pursuing)	Forensic Biology
8.	Dr. Rito Chopi	Teaching And Research Assistant	Ph.D.	Forensic Chemistry and Toxicology
9.	Mr. Abhijit Debnath	Teaching And Research Assistant	Ph.D. (Pursuing)	Artificial Intelligence

Publications:

Research Paper:

- Charanarur Panem "Lung Cancer detection" from CT scans using modified DenseNet with feature selection methods and ML classifiers, Expert Systems with Applications (Elsevier), March-2023.
- Panem charanarur, "The sixth generation mobile cloud based High performance computing implementation". Mobile and Communication Networks(Wiley), Vol.2022, March-2022.
- Panem charanarur, Scheduling in LoRa Gateways to Reduce Packet Loss. Mathematical Statistician and Engineering Applications , Vol.71,Issue.4, pp.9490-9499(2022)
- Charanarur Panem , "Non -duality of Vedanta and Quantum Mechanics", International Journal of Research Publication and Reviews, Vol.-04, No.-01, pp.373-377(2023)
- Charanarur Panem , "Study Into The Cutting -Edge Advancements In Mathematics With Reference To Computer Science", Journal Of Mechanics Of Continua And Mathematical Sciences, Vol.-17, No.-12, December-2022.
- Shekhawat, R. S., Meshram, V. P., Rao, M., Shedje, R., Panwar, R., Rathore, M., & Kanchan, T. (2023). Further explorations into the role of mast cells in deaths associated with fatal asphyxia: an immunohistochemical study utilizing CD 117 marker. Forensic Science International, 111689.
- NJ, M. A., Shekhawat, R. S., Kanchan, T., Yadav, T., Meshram, V. P., Shedje, R., ...& Meshram, V. (2023). Computed Tomographic Evaluation of Cranial Suture Obliteration for Age Estimation in an Indian Population. Cureus, 15(3).
- Hosmani, A., Pathak, H., Khartade, H., Jadav, D., Shedje, R., Pawar, M., ...& Pawar, M. N. (2023). Age Estimation in Sportspersons From the Epiphyseal Fusion Around Wrist, Elbow, and Pelvic Joints. Cureus, 15(1).
- Warrier, V., Shedje, R., Krishan, K., & Kanchan, T. (2023). McKern -Stewart method as a technique for analysing age related pubic symphyseal changes: A systematic review and meta-analysis. Medicine, Science and the Law, 63(1), 31-41.
- Warrier, V., Kanchan, T., Garg, P. K., Dixit, S. G., Krishan, K., & Shedje, R. (2022). CT -based evaluation of the acetabulum for age estimation in an Indian population. International Journal of Legal Medicine, 1-11.
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22. Balarabe, B. Y., Bowmik, S., Ghosh, A., & Maity, P. (2022). Photocatalytic dye degradation by magnetic XFe₂O₃ (X: Co, Zn, Cr, Sr, Ni, Cu, Ba, Bi, and Mn) nanocomposites under visible light: A cost efficiency comparison. *Journal of Magnetism and Magnetic Materials*, 562, 169823.
23. Bhowmik, S., Paria, S., Tater, I., & Maity, P. (2022). Synthesis of Orange-Red Emissive Au-SG and AuAg-SG Nanoclusters and Their Turn-OFF vs. Turn-ON Metal Ion Sensing. *Journal of Fluorescence*, 32(6), 2271-2280.

Books:

1. Charanarur Panem, GS Rao, J Vijaylaxmi has published a book, 'Robotic Process Automation Design & Development' published by 'Scientific International Publishing House' in 'March & 2023'. ISBN: 978-93-5757-129-6.
2. Charanarur Panem, GS Rao, J Vijaylaxmi has published a book, Compendia of Reuleaux Tetrahedron (The System of Parallel verses and it's Transformational consistency compatibility With reference to cellular automaton) First Edition' published by 'Scientific International Publishing House' in 'January & 2023'. ISBN: 978-93-5625-653-8.
3. Charanarur Panem, GS Rao, J Vijaylaxmi has published a book, Dodecahedron: The Influential Transformations of the Computational Aspects of Artificial Intelligence' published by 'BOHR Publishers' in 'October & 2022'. ISBN: 978-93-92892-30-1.
4. Charanarur Panem, has published a book, 'Ethical Hacking' published by 'Jayalakshmi Publication' in 'July & 2022'. ISBN: 978-93-91987-92-3.
5. Charanarur Panem, GS Rao, has published a book, 'Cloud Computing And Its Service Oriented Mechanism' published by 'Akinik Publications' in 'FEBRUARY & 2022'. ISBN: 978-93-5570-1329.
6. Kathiresan, A., Naha, S., & Velmathi, S. (2022). AIEgen nanoparticles: modern advancements in sensing of nitroaromatics, warfare agents and real-time application. In *Sensing and Biosensing with Optically Active Nanomaterials* (pp. 463-486). Elsevier.
7. Das L., Datta Roy, A. (2022) *COVID 19 and Mental Health of Students: Role of Teacher in Managing Stress, Anxiety and Social Distancing among Learners*. New Delhi Publishers
8. Shinde AV, Pawar HM, Dass G, Chate SV, Biochemical applications in forensics, AGPH publishers, ISBN-108196069138

Book Chapters:

1. Charanarur Panem, GS Rao, S. Sateesh "High-performance computing-based scalable 'Cloud forensics-as-a-Service' readiness framework factors - A review". Published *Cyber Security Techniques for Cloud based Data Center*, March-2022, Wiley Publication, DOI: <https://doi.org/10.1002/9781119812555.ch2>.
2. Charanarur Panem, GS Rao, "Protection of personal data and Internet of Things security", Published *Fraud Prevention, Confidentiality, and Data Security for Modern Businesses*. IGI Publication, January-2023. DOI: 10.4018/978-1-6684-6581-3.ch009.
3. Charanarur Panem, GS Rao, "Deception preclusion, discretion, and Data safety for contemporary business", Published, *Fraud Prevention, Confidentiality, and Data Security for Modern Businesses*. IGI Publication, January-2023. DOI: 10.4018/978-1-6684-6581-3.ch006

Invited Guest Lecture:

- a. Dr. Monisha Samuel, Assistant Professor, NFSU - Tripura campus was invited as a resource person to present on the topic "Forensic inputs in cases of Sexual assault" in a one-day state level sensitization cum consultation workshop on handling POCSO cases for Advocates of DLAs/Prosecutors, Special Juvenile Police units (SJPU) and child welfare police officers (CWPOs) in Agartala, Tripura by National Commission for Protection of Child Rights (NCPCR) on 11th June, 2022.
- b. Dr. Monisha Samue, Assistant Professor, NFSU - Tripura campus was invited as a resource person to present on the topic "Forensic inputs in cases of Sexual assault" in a one-day state level sensitization cum consultation workshop on handling POCSO cases for Advocates of DLAs/Prosecutors, Special Juvenile Police units (SJPU) and child welfare police officers (CWPOs) in Shillong, Meghalaya by National Commission for Protection of Child Rights (NCPCR) on 14th June, 2022.
- c. Dr. Monisha Samuel, Assistant Professor, NFSU - Tripura campus was invited as an expert resource person to present on the topic "Combating Child Trafficking" in a technical session held at Sepahijala District, Tripura by National Commission for Protection of Child Rights (NCPCR). The campaign focused on holding Sensitization Workshops for Anti Human Trafficking Unit, Special Juvenile Police Units (SJPU)/ Child Welfare Police Officers (CWPOs), Officers of MHA, Special Forces active in the district on Human Trafficking issues, Child Welfare Committee, Juvenile Justice Board, in the identified 75 Bordering Districts of our country on 6th August, 2022.
- d. Dr. Arpan Datta Roy, Assistant Professor, NFSU - Tripura campus was invited as a resource person to present on the topic "Thin Film Fabrication and its application" held in offline mode organized by Department of Basic Science and Humanities of Techno College of Engineering Agartala, Maheskhola - 799004, Tripura (West), India on 6th May, 2022.
- e. Dr. Arpan Datta Roy, Assistant Professor, NFSU - Tripura campus was invited as an expert resource person to present on the topic "Combating Child Trafficking" in a technical session held at Gomati District, Tripura by National Commission for Protection of Child Rights (NCPCR). The campaign focused on holding Sensitization Workshops for Anti Human Trafficking Unit, Special Juvenile Police Units (SJPU)/ Child Welfare Police Officers (CWPOs), Officers of MHA, Special Forces active in the district on Human Trafficking issues, Child Welfare Committee, Juvenile Justice Board, in the identified 75 Bordering Districts of our country on 2nd August, 2022.
- f. Dr. Arpan Datta Roy, Assistant Professor, NFSU - Tripura campus was invited as a resource person to present on the topic "Awareness regarding Forensic Science" held in offline mode organized by Bishalgarh English Medium H.S. School, Sepahijala, Tripura on 23/03/2023 under the National Service Scheme (NSS).



- g. Miss Gitanjali Dass, TRA, NFSU Tripura Campus was invited to deliver an expert talk entitled "Virtopsy" at the International Conference on Forensic Research and Toxicology, organized by conference mind from December 08-09, 2022.
- h. Attended the FDP as Resource Person to deliver expert talk on "Basics of Computer, MS-Office and Basic Programming Language" at Central Sanskrit University, Ekalavya Campus on 19-11-2022.
- i. Dr. Panem Charanarur, **Invited Speaker** on "Cyber Security Awareness" Army training at 57 sector ,Army camp Agartala, Tripura , April 1st , 2023, FSL, Tripura.
- j. Dr. Panem Charanarur, Indian Chambers of Commerce (ICC) **invited as a guest lecture** on "Data Forensic and Recovery" for the ICC Conclave on Data Governance and Cyber Security, on 18-11-2022, Agartala, Tripura.
- k. Dr. Panem Charanarur, **Invited Speaker** on "Current Trends in Cyber Security" Judiciary training at FSL, Tripura , November 8th , 2022 , FSL, Tripura.
- l. Dr. Panem Charanarur, **Invited Speaker** on "Challenges and Current Trends in Cyber Security" Two Day Workshop on Cyber Security and Cyber Forensic , May 13-14,2022 , Organized by Goa Multi faculty College, Goa.

Patents/ Copyrights:

Name of Faculty	Title	Description
R. Panem Charanarur, Assistant Professor	Intelligence based Automatic intrusion detection system using data mining and machine learning methods for cyber security intrusion detection. Application Number: 202341022661, Filed on 28/03/2023. Published in Indian patent Journal, No. 14/2023/P1 on 07/04/2023.	Artificial Intelligence based Automatic intrusion detection system using data mining and machine learning methods for cyber security intrusion detection Abstract: An intrusion detection system for a computer or network can detect and prevent unauthorised access. This technology is sometimes referred to as an intrusion detection system (IDS) (intrusion detection system). Companies and other organisations routinely employ intrusion detection systems (IDSs) to prevent unauthorised users from exploiting or gaining access to their computer systems and networks. This document describes the methodology and findings of the review. Machine Learning and Deep Learning Algorithms are used to detect intrusions automatically. This study revealed that intrusion detection systems are constructed using single, hybrid, and ensemble classification algorithms, in addition to various non-observable learning techniques. Individuals are also keen on using soft computing technology in intrusion detection systems (IDS).
		NSL-KDD variations are the most common sorts of datasets. Typically, accuracy, precision, recall, area under the curve (AUC), and F1 score are used to evaluate the performance of an intrusion detecting system (IDS). Conversely, if too much time is spent classifying known intrusion threats, it may be difficult to detect unusual incursions, which could be new or enhanced intrusion attacks. To overcome this issue, it was suggested that academics develop new detection methods and algorithms. This action was taken to resolve the issue at hand.

Name of Faculty	Title	Description
	<p>"Cyberslacking and Remote Workers' Computer Security Attitudes: An Empirical Analysis Is Proposed to Assess Threats to Organizational Cybersecurity". Application Number: 202211075682, Filed on 26/12/2022. Published in Indian patent Journal, No. 52/2022/P2 on 30/12/2022.</p>	<p>Organizations are continually seeking to gain a deeper understanding of the numerous facets of cyber risk. A crucial component of reducing this risk is being aware of how employee behaviour can affect it. With the advent of remote work, which is now possible for the great majority of professionals, there has been a rise in cybersecurity breaches. Alliance Virtual Offices, a company that allows individuals to work from home, said in March 2022 that the number of cyber attacks jumped by 238% during the COVID-19 outbreak, when remote employees were more likely to be attacked. In Gartner's study on the 7 top trends in cybersecurity for 2022, an increase in the attack surface caused by remote work and the rising use of the public cloud was cited as a major security risk. In light of these changes, 78% of CISOs anticipate prioritising remote worker security and risk-based vulnerability management in 2022, according to a report by security software supplier Lumu Technologies. In this section, we examine whether the amount of time people spend cyberloafing correlates with the level of cyber risk an organisation faces.</p>
		<p>Cyberloafing, or the use of corporate resources for non-work-related internet activities, diminishes overall productivity and increases the possibility that harmful malware will access an organization's network. Productivity, workload, and company policies can all influence the amount of time spent cyberloafing. We develop a general System Dynamics model to explain the non-linear relationship between cyberloafing and workplace productivity, and then investigate a use-case involving light cyberloafing (such as social media use). We observed that while fines help minimise cyberloafing, employees are far less likely to engage in it when they have a substantial amount of work to perform</p>
	<p>"IoT and Cloud Computing-based identification of cyberthreats using Machine Learning". Application Number: 202211041374, Filed on 20/07/2022. Published in Indian patent Journal, No. 31/2022/P1 on 05/08/2022.</p>	<p>The Internet of Things (IoT) has emerged as one of the most cutting-edge technologies, as well as a research- and business-attractive subject of interest, respectively. It requires the connection of several devices as well as the connection of devices to humans. The Internet of Things requires a cloud computing infrastructure to manage its data exchange and processing. Simultaneously, artificial intelligence (AI) is necessary to do analysis on the data stored in cloud infrastructure and to get quick and reliable intelligent conclusions. These Internet of Things devices are networked, and in order to speak with one another and share information, they use their unique identifiers and embedded sensors. Utilizing an Internet and cloud-based network infrastructure, they accomplish this (Girma, 2018). We are currently living in the era of big data, in which AI and machine learning are required to effectively manage and assess the vast amounts of collected cloud-based big data.</p>

Name of Faculty	Title	Description
		Despite the fact that AI is already playing a significant role in boosting traditional cybersecurity, the cloud's vulnerability and the networking of IoT devices remain significant threats. Internet of Things (IoT) devices and artificial intelligence (AI) continue to represent a threat to cybersecurity, in addition to cloud computing security problems.
		In addition, fraudsters regularly target the vast majority of Internet of Things devices that are wirelessly connected and put on a public network. This research study will offer a hybrid detection strategy combining artificial intelligence and machine learning (AI/ML) to prevent and mitigate Internet of Things cyber threats on host-based and network-level cloud computing settings. The paper will focus specifically on cloud computing environments.
	"Innovative Method to Analyze IoT Device in Terms of Cyber security". Application Number: 202241029444, Filed on 23/05/2022. Published in Indian patent Journal, No. 24/2022/P1 on 17/06/2022.	The work aimed to provide a methodology to test IoT equipment present in a home network and identify potential vulnerabilities with a focus on mitigating them and ensuring the safety of end-users. Therefore, the Huawei B310s-22 and Thomson TG784n equipment were tested to represent the home routers provided by the ISP, the Motorola VIP1200 IPTV STB in order to represent the IPTV services contracted to an operator, and the Sony Bravia KDL Smart TV - 50WC808 as input segment television. In the equipment under study, security audits were carried out in parallel with the normal use of the network, thus representing the common use that a user would make in his daily use. Accompanied Drawing.

Faculty Achievements and Recognition:

Name of faculty	Achievement / Recognition
Dr. Rutwik Shedde	Member, Scientific Committee, 25th All India Forensic Science Conference, 2023
Dr. Monisha Samuel	Member, Scientific Committee, 25th All India Forensic Science Conference, 2023
Dr. Arpan Datta Roy	Member, Scientific Committee, 25th All India Forensic Science Conference, 2023
Dr. Sanay Naha	Member, Scientific Committee, 25th All India Forensic Science Conference, 2023
Dr. Sanay Naha	Invited as a member of Board of Studies (BoS), Assam Down Town University.
Ms. Gitanjali Dass	Awarded "Young Faculty Award" on Teacher's day celebration organized by Applied Forensic Research Sciences held on 5 th September 2022
Mr. Abhijit Debnath	Member, Scientific Committee, 25th All India Forensic Science Conference, 2023
Dr. Panem Charanarur	Session Chair Person for "Fourth International Conference on Advances in Electrical and Computer Technologies 2023 (ICAECT 2023)" held at Shri Shankaracharya Technical Campus, Bhilai, Chhattisgarh, INDIA, India during 5- 6, January 2023.
Dr. Panem Charanarur	Session Chair Person for "2022 Second Global Conference on Recent Developments in Computer and Communication Technologies (GC-RDCT 2022)" held at A.J. Institute of Engineering & Technology, Karnataka, India during 28 - 29, July 2022
Dr. Panem Charanarur	Session Chair Person for "Fourth International Conference on —Materials Science and Manufacturing Technology (ICMSMT 2022)", Coimbatore, Tamilnadu, India during April 08 – 09, 2022.

Training imparted by the Campus/ Academy:

Brief Details of Training	From (Date)	To (Date)
<p>WORKSHOP ON 3D LASER SCANNER WAS ORGANISED AT NFSU TRIPURA CAMPUS</p> <p>On 25th August, 2022 a training on 3D laser scanner was provided to the students at NFSU- Tripura campus. The FARO team interacted with the students and demonstrated the scanner to them. The students also experienced 3D crime Scene scanners in virtual reality. The team interacted with the students and the faculty and it was felt to be very useful to study different crime scenes for forensic evidence.</p>	25 th Aug, 2022	25 th Aug, 2022
<p>NATIONAL FORENSIC SCIENCES UNIVERSITY (NFSU) TRIPURA CAMPUS CONDUCTS WORKSHOP ON FAKE INDIAN CURRENCIES NOTES (FICN)</p> <p>NFSU – Tripura Campus in collaboration with Forensic Science Laboratory (FSL), Tripura conducted a workshop on –Identification/Examination of fake Indian currency notes on 20th December 2022. The representative participants of various banks and working professionals were welcomed and enlightened about NFSU by higher authorities Dr. Rakesh Yadav, Dean (I/C) & Prof. Kashinath Jena, OSD respectively. The expert session commenced with a technical talk by NFSU Tripura Campus, Director Dr. H.K Pratihari where he shared the current scenario of FICN and white-collar crimes in India. An invited talk was delivered by Mr. Rishi Kumar, Branch Manager SBI and he shared his experiences on real case scenarios pertaining to FICN.</p> <p>Later on, Dr. Parvesh Sharma Assistant Professor NFSU Tripura Campus delivered a talk where he shared his knowledge on different security features present in Govt. currency notes. Afterwards, the practical demonstration of FICN/Genuine Govt. Currency through the latest instrument VSC 8000 was demonstrated by Shri Subhasish Chaudhuri, Deputy Director Document Division, FSL Agartala.</p>	20 th Dec, 2022	20 th Dec, 2022
<p>A ONE DAY – LONG TRAINING PROGRAMME ON DRUG ABUSE AND FORENSIC EXAMINATION NFSU – TRIPURA CAMPUS</p> <p>Serious drug problems in the state Tripura are due to various factors including proximity to the golden triangle in the N-E region of the country and also having an international border. Moreover, new designer drugs are also manufactured and circulated by the traffickers for use among the addicts. Considering the problem, a one day-long seminar was organized by NFSU Tripura Campus for investigating officers for effective investigations of NDPS cases.</p> <p>The Director General of Police nominated 20 (twenty) investigating officers from anti narcotics cell/ and other units (Sub Inspector to Dy. Superintendent of Police). Experts were invited to deliver lectures and hands-on training to all the participants. All the participants were awarded training and participation certificates.</p>	24 th March, 2023	24 th March 2023
<p>EXPOSURE TO POLICE STATIONS IN WEST DISTRICT - TRIPURA"</p> <p>A one week exposure programme was conducted for students of M.Sc. Forensic Science. The students were divided into 8 groups and were attached to various police stations in Agartala, Tripura. They were exposed to the day to day functioning of the police station along with first hand exposure to different crime scenes during the period.</p>	27 th March, 2023	1st April, 2023

Training received by Faculty and Staff members (Offline and Online):

Name of faculty/ Staff	Brief Details of Training	From (Date)	To (Date)
Dr. Panem Charanarur	Two Week FDP on " Hands on training Forensic Tools", at FSL Goa	23-05-2022	03-06-2022
Dr. Panem Charanarur	FDP on " Designing and Modelling of IoT, AI & ML Systems", at All India Council for Technical Education(AICTE), Arm Education, STMicroelectronics, with support from Microsoft and NIELIT Calicut	01-08-2022	05-08-2022
Mr. Abhijit Debnath	Faculty Development Program (80 credits) on Computer & System Security from IIT Kanpur	26-10-2022	9-11-2022
Mr. Abhijit Debnath	Faculty Development Program on Academic Writing and Publication from Teaching Learning Centre, Tezpur University	01-11-2022	07-11-2022
Dr. Rutwik Shedge	Faculty Development Program on Exploring Dynamics of National Education Policy 2020 with Reference to NAAC Perspectives	24-11-2022	30-11-2022
Dr. Monisha Samuel	Faculty Development Program on Exploring Dynamics of National Education Policy 2020 with Reference to NAAC Perspectives	24-11-2022	30-11-2022
Mr. Sagar Bhowmik	Faculty Development Program on Exploring Dynamics of National Education Policy 2020 with Reference to NAAC Perspectives	24-11-2022	30-11-2022
Dr. Sanay Naha	Faculty Development Program on Exploring Dynamics of National Education Policy 2020 with Reference to NAAC Perspectives	24-11-2022	30-11-2022
Dr. Arpan Datta Roy	Faculty Development Program on Exploring Dynamics of National Education Policy 2020 with Reference to NAAC Perspectives	24-11-2022	30-11-2022
Dr. Rutwik Shedge	Preparing Authored / Edited Book Proposals For International Publishers	27-11-2022	27-11-2022
Ms. Gitanjali Dass	PREPARING AUTHORED / EDITED BOOK PROPOSALS FOR INTERNATIONAL PUBLISHERS	27-11-2022	27-11-2022
Dr. Monisha Samuel	Preparing Authored / Edited Book Proposals For International Publishers	27-11-2022	27-11-2022
Dr. Sanay Naha	Preparing Authored / Edited Book Proposals For International Publishers	27-11-2022	27-11-2022
Mr. Abhijit Debnath	Training on Artificial Intelligence under Future Skills PRIME programme	12-12-2022	23-12-2022
Dr. Panem Charanarur	Two Week Training on "Artificial Intelligence for government Officials ", at NIELIT Agartala	12-12-2022	23-12-2022
Mr. Abhijit Debnath	Training on ERP system for NFSU by Marwadi Technologies	21-12-2022	21-12-2022
Dr. Panem Charanarur	FDP on " Capacity Building", NFSU Gandhinagar	03-01-2023	10-01-2023

Name of faculty/ Staff	Brief Details of Training	From (Date)	To (Date)
Mr. Abhijit Debnath	One week capacity building program conducted by NFSU Gandhinagar	3-1-2023	7-1-2023
Dr. Arpan Datta Roy	One Week Training Programme on CONTEMPORARY PHYSICS RESEARCH from 5 th – 11 th January, 2023 organized by Department of Physics, NIT Agartala Under Project Management Unit NIT Agartala, Synergistic Training Program (Utilizing the Scientific and Technological Infrastructure Program – 2021 (STUTI 2021), an Institute of Department of Science and Technology (DST), Govt. of India.	5-1-2023	11-01-2023
Ms. Gitanjali Dass	Attended training program on fundamentals of digital marketing using social media platforms organized by NIELIT, Agartala	16-01-2023	30-1-2023
Mr. Abhijit Debnath	Training on Fundamentals of Digital Marketing using Social Media Platforms by NIELIT Agartala	16-01-2023	30-01-2023
Dr. Panem Charanarur	Training on Fundamentals of Digital Marketing uses Social Media Platforms", at NIELIT Agartala.	16-01-2023	30-01-2023
Dr. Panem Charanarur	Faculty Induction Programme (FIP), at UGC-HRDC, Goa University, Goa	31-01-2023	08-03-2023
Mr. Abhijit Debnath	Training on Ethical Hacking using Open Source Tools by Centre for Cyber Intelligence	04-02-2023	04-02-2023
Mr. Abhijit Debnath	Training program on "Cyber Security Tools" by NIELIT Calicut	06-02-2023	10-02-2023
Dr. Panem Charanarur	Microsoft learn for Educators Training program on AZ 900: Microsoft Azure Fundamentals	17-02-2023	1-02-2023
Mr. Abhijit Debnath	Train The Trainer Programme in Artificial Intelligence by CDAC	01-03-2023	23-03-2023
Dr. Panem Charanarur	"Trainer Programme in Artificial Intelligence ", at NIELIT Agartala and CDAC Pune	01-03-2023	16-03-2023
Mr. Abhijit Debnath	Faculty Development Program on "Vulnerability Assessment and Penetration Testing" organized by Centre for Cyber Intelligence	06-03-2023	13-03-2023
Mr. Abhijit Debnath	Faculty Development Program on ICT Tools for Effective Teaching & Learning organized by Teaching Learning Centre, (TLC) Tezpur University	22-03-2023	28-03-2023

Conferences/ Workshops/ Seminars/ Webinars attended and paper presentation by faculty members:

Name of faculty/ Staff	Date	Particulars	Specification
Dr. Panem Charanarur	28/07/2022	"Review on Automatic Diagnosis of Autism Spectrum Disorders using Multi-Atlas Graph Convolutional Networks and Ensemble Learning", 2022 Second Global Conference on Recent Developments in Computer and Communication Technologies (GC-RDCT 2022) held at A.J. Institute of Engineering & Technology, Karnataka,	Paper presentation
Dr. Arpan Datta Roy	29th Aug, 2022	Webinar on Forensics Through Cases, Session -I organized on 29 th August, 2022 by National Forensic Sciences University (An Institution of National Importance), Tripura Campus.	Participation
Dr. Monisha Samuel	29th Aug, 2022	Webinar on Forensics Through Cases, Session -I organized on 29 th August, 2022 by National Forensic Sciences University (An Institution of National Importance), Tripura Campus.	Participation
Dr. 29th Monisha Samuel	29th Sept, 2022	Webinar on Forensics Through Cases, Session -II organized on 29 th September, 2022 by National Forensic Sciences University (An Institution of National Importance), Tripura Campus.	Participation
Dr. Arpan Datta Roy	29th Sept, 2022	Webinar on Forensics Through Cases, Session -II organized on 29 th September, 2022 by National Forensic Sciences University (An Institution of National Importance), Tripura Campus.	Participation
Dr. Panem Charanarur	09/11/2022	"Study Into The Cutting -Edge Advancements In Mathematics With Reference To Computer Science", Fifth International Two-Day Conference (Online) on Advanced Research and Development in Applied & Pure Mathematics and Computer Science (ARDAPMCS), Kolkata	Paper presentation
Mr. Abhijit Debnath	19/11/2022	Delivered expert talk in the Faculty Development Program on MOOCs and e-Learning Technologies by Central Sanskrit University, Ekalavya Campus	Resource person
Dr. Arpan Datta Roy	28th Nov - 2nd Dec, 2022	Participated in an online workshop organized by the National Forensic Sciences University on "MULTIMEDIA FORENSICS IN CRIME INVESTIGATION" from 28 th November 2022 to 2 nd December 2022.	Participation
Dr. Panem Charanarur	02/12/2022	"VehicleTheft Detection and Tracking using surveillance video for the Modern Traffic Security Management System", International Conference on Information Security, Privacy and Digital Forensics(ICISPD 2022), NFSU, Goa campus	Paper presentation

Name of faculty/ Staff	Date	Particulars	Specification
Dr. Arpan Datta Roy	3rd Dec, 2022	Participated LIVE WORKSHOP On Microsoft Powerpoint Conducted By Skill Nation On 3 rd December, 2022	Participation
Dr. Panem Charanarur	12/12/2022	"Machine Learning based Spam Mail Detector", 8 th International Conference on Cyber Security and Privacy in Communication Networks (ICCS) 2022, Cardiff Metropolitan University, Wales, United Kingdom(UK),	Paper presentation
Dr. Rutwik Shedge	20th Dec, 2022	"Identification, examination of Fake Indian Currency Note" organized by National Forensic Sciences University, Tripura Campus	Participation
Dr. Arpan Datta Roy	20th Dec, 2022	"Identification, examination of Fake Indian Currency Note" organized by National Forensic Sciences University, Tripura Campus	Participation
Mr. Abhijit Debnath	20/12/2022	"Identification, examination of Fake Indian Currency Note" organized by National Forensic Sciences University, Tripura Campus	Participation
Dr. Sanay Naha	20th Dec, 2022	"Identification, examination of Fake Indian Currency Note" organized by National Forensic Sciences University, Tripura Campus	Participation
Dr. Monisha Samuel	20th Dec, 2022	"Identification, examination of Fake Indian Currency Note" organized by National Forensic Sciences University, Tripura Campus	Participation
Dr. Panem Charanarur	28-12-2022	"Scheduling in LoRa Gateways to Reduce Packet Loss", International Conference on Internet of Things (ICIOT-2022) , Athens, United Kingdom(UK)	Paper presentation
Ms.Gitanjali Dass	21 st to 22 nd Jan, 2023	Presented a paper titled a next generation toolkit for mitochondrial DNA Analysis' at 1 st international conference on Advanced optimization techniques and applications organized by Ramgarh Engineering college in collaboration with Sultan Moulay Slimane University, Morocco, City University, Malaysia	Presentation
Ms.Gitanjali Dass	3rd to 4th Feb, 2023	Dental informatics: Importance of reliable dental records in disaster victim identification' during the National Symposium on Forensic Odontology and Disaster victim identification and organized by Mathrusri Ramabai Ambedkar Dental College and Hospital, Karnataka, India	Presentation
Dr. Panem Charanarur	05-02-2023	"The Application of Deep Learning to the Localization of Brain Tumors", International Conference on Emerging Trends In Mathematical Sciences & Computing (IEMSC-23), Institute Of Engineering & Management, Kolkata,	Paper presentation
Mr. Abhijit Debnath	27/02/2023	Webinar(3rd) on Forensic through Cases	Participation

Webinar conducted:

Sr. No.	Particulars of the Webinar	No. of Participants	Details of the Faculty member
1	One Day Virtual Workshop on PCR Workflow organised by National Forensic Sciences University, Tripura Campus in association with Eppendorf India	100	Dr. Monisha Samuel and Dr. Rutwik Shedge
2	A webinar series named "Forensics Through Cases" was introduced by NFSU Tripura Campus. Session 1	326	Ms Gitanjali Das
3	A webinar series named "Forensics Through Cases" was introduced by NFSU Tripura Campus. Session 2	178	Ms Gitanjali Das
4	A webinar series named "Forensics Through Cases" was introduced by NFSU Tripura Campus. Session 3	103	Ms Gitanjali Das

Students Activities and Achievements:

Sr. No.	Student Name, Course Name, Semester	Particulars of the Achievement
1.	Ms. Jovanna Esther, M.Sc. Forensic Science, Semester 4	Qualified the UGC NET-JRF
2.	Mr. Aayush Dhaka, M.Sc. Forensic Science, Semester 4	Qualified the UGC NET-JRF
3.	Mr. Arghyadeep Debnath, M.Sc. Forensic Science, Semester 4	Qualified the UGC NET
4.	Mr. Adwaith R, M.Sc. Forensic Science, Semester 4	Qualified the UGC NET
5.	Ms. Diksha Priyadarshini, M.Sc. Forensic Science, Semester 4	Qualified the UGC NET
6.	Ms. Jovanna Esther, M.Sc. Forensic Science, Semester 4	Won the first prize in poster presentation in the medicolegal section in the 25th All India Forensic Science Conference, 2023
7.	Ms. Sudeshna Bhowmik	Won the second prize in poster presentation in the medicolegal section in the 25th All India Forensic Science Conference, 2023
8.	Mr. Akash Saha, B.Sc. - M.Sc. Forensic Science, Semester 4	Interning at the State Crime Record Bureau, Fingerprint Cell, Tripura Police
9.	Mr. Avik Das a student of B.Tech – M. Tech computer Science engineering (Cyber security)	Selected for YUVA SANGAM, under Ek Bharat Shrestha Bharat (EBSB), an initiative by Govt. of India to strengthen people to people connect. The selected participants will undergo an educational tour from 4 th – 9 th March at IIT Madras fully sponsored by the government of India.
10.	Ms. Tammana Wara	Won 3rd in Scientific presentation in Review Category , paper titled 'Dental informatics: Importance of reliable dental records in disaster victim identification' during the National Symposium on Forensic Odontology and Disaster victim identification and organized by Mathrusri Ramabai Ambedkar Dental College and Hospital, Karnataka, India from 3 rd to 4 th Feb, 2023
11.	M.Sc.Students Batch 2021-2023	Internship at CFSL-CBI, New Delhi
12.	M.Sc.Students Batch 2022-2024	Internship at CFSL-CBI, New Delhi

Special initiatives by the Campus/ Academy:

National Science Day was celebrated at National Forensic Sciences University (NFSU) Tripura Campus

NFSU Tripura Campus celebrated National Science Day on 28th Feb, 2023 with the theme "Global Science for Global Wellbeing". The celebration began with a talk delivered by our respected Director Sir Dr H.K Pratihari followed short lecture sessions by Prof. Kashinath Jena, OSD – NFSU Tripura Campus, Mr. Imtiaz Ahmed, Deputy Registrar – NFSU Tripura Campus and Dr. Arpan Data Roy, Assistant Professor – NFSU Tripura Campus. This was followed by a "Model Exhibition" where students from all the different programs running at Tripura Campus participated and made some interesting and creative scientific models. A photography competition was also conducted which saw students participating with their best clicked pictures based on the theme "Science". Extempore Competition and Quiz Competition was also conducted. The day ended with a cultural awareness programme where students performed a skit by which they showed the importance of science and delivered a tribute to our Covid warriors "Doctors".

National Forensic Sciences University (NFSU) Tripura Campus Conducts a 5- Day Crime Scene Management Workshop and Competition

A 5-day workshop and competition from 5th to 9th of December, 2022, to educate the students of NFSU – Tripura campus on techniques and methods of crime scene investigation was conducted. The convenors for the programme were Dr. Rutwik Shedge, Assistant Professor, NFSU – TC and Mr. Sagar Bhowmik, Assistant Registrar, NFSU – TC. Eminent professionals with a vast practical experience of crime scene management delivered plenary sessions on a variety of relevant topics to the students in the first half of 5th to 7th of December, 2022. Among them were Hon'ble Justice S.C Das, Shri. Subhasish Chaudhri Senior Scientific Officer, Document Division, State Forensic Science Laboratory, Tripura, Dr. Sabyasachi Nath, Senior Scientific Officer, Biology and Serology Division, State Forensic Science Laboratory, Tripura and Dr. Ajithesh pal, Senior Scientific Officer, Physics and Ballistics Divisions, State Forensic Science Laboratory. On the final day the occasion was graced by Prof. (Dr.) Satish Kumar (Dean, School of Forensic Science, National Forensic Sciences University, Gandhinagar), Dr. Pooia Ahuja (Associate Dean, School of Forensic Science, National Forensic Sciences University, Gandhinagar) and Shri. Saurabh Tripathi, IPS, (Addl. Director General of Police (L&O), Tripura). The students of M.Sc. Forensic Science and B.Tech. – M.Tech. Computer Science (Cyber Security) also participated in the competition. They were divided into 10 teams, and were allowed to choose their topic of crime scene creation and a faculty mentor through a chit-based system. Upon receiving their topic and faculty mentor, they initiated the planning and creation of their crime scenes which was further investigated by the students of B.Sc. Forensic Science. On the final day the competition was judged by Dr. Joychandra Singh, Director, State Forensic Science Laboratory, Manipur along with Dr. H.K. Pratihari, Director, NFSU – Tripura campus. The winners were felicitated in the closing ceremony.



SPORTS AND CULTURAL WEEK BY NFSU, TRIPURA CAMPUS

National Forensic University, Tripura Campus organised a sports week for its students to break the monotony of the classes and re-energize their minds as the students were entering the second semester of their respective courses. After a hectic and cumbersome end semester exam session, the students were really excited to participate in the sports activities organised by the faculty members and staff of the Tripura campus. The sports week started on 4th May 2022. Outdoor Events like badminton, Cricket, Volleyball and football were conducted and the students participated in it with all the enthusiasm. There were also indoor games like chess and carrom that were conducted for all the students. Faculties and staff of the Tripura campus also participated in all the events with equal fervor. On the last day of the week, an exciting treasure hunt was designed for the students by Dr. Rutwik Shedge, Assistant Professor (Tripura Campus) as well as cultural activities which included extempore, debate; dance and singing competition were conducted. In the end, the whole-hearted participation of the students, staff and faculty members of NFSU, Tripura campus made the event a very successful one.



Independence Day celebration at NFSU Tripura Campus

75th Independence Day was celebrated at NFSU Tripura Campus, Radhanagar, Agartala. A three-day programme was conducted to celebrate "Azadi ka Amrit Mahotsav". The first day began with "Prabhat Phery" followed by expert sessions on Nationalism and Patriotism by Prof. K. N. Jena, Professor and Former Director, Distance Education, Tripura University, and Lieutenant Colonel Suyog Dave from Army Air Defence. On the second day quiz was conducted on Nationalism and Patriotism along with cultural programme by the students. On the final day, 15th August 2022, all the faculty members as well as staff and students attended the hoisting of the National flag. Our special dignitary for the occasion was Dr. Asha Srivastava, Director CFSL, CBI. She addressed the students as well as the staff on the auspicious occasion.



Inauguration of Volleyball Court at National Forensic Sciences University, Tripura Campus

National Forensic Science University, Tripura Campus inaugurated a volleyball court on 17th November 2022. Our respected Campus Director Dr. H.K Pratihari inaugurated the court which was followed by a very spirited faculty versus student's match.



Quiz Competition was conducted by NFSU Tripura Campus

To create awareness regarding G20 Summit 2023: India's Presidency, NFSU – Tripura campus organised a quiz competition on 21st February 2023. The quiz was curated with the objective of increasing awareness of the G20 culture track among the young minds. 126 students participated in the online quiz competition. Certificates were provided to those who secured marks on and above 60%.

National PI Day and Einstein's Birthday Celebration at NFSU Tripura Campus

To celebrate one of the most accomplished scientists of the world and to inspire the students of NFSU Tripura and inculcate a scientific aptitude, NFSU-Tripura campus celebrated National Pi day on 14th March, 2023. A small quiz was conducted on Einstein and his achievements. All the students and staff participated in the competition.

Slogan Competition

National Forensic Sciences University (NFSU)-Tripura Campus successfully organized a Slogan writing Competition on the topic "One earth, one family, one future" on the celebration of G20 Summit 2023: India's Presidency held on March 27, 2023. The competition was held online, and the event saw the participation of 26 students and 1 employee.



Visit to FSL, Tripura By M.Sc. Forensic Science Students Of National Forensic Sciences University – Tripura Campus

M.Sc. Forensic Science (1st Semester) students of National Forensic Sciences University, Tripura campus went for a visit to Forensic Science Laboratory, Agartala with faculty Ms. Gitanjali Dass on 23rd November, 2022. The students gained practical knowledge on document examination by physical and instrumental analysis like VSC 8000 in the field of Questioned Documents.



Visit to FSL, Tripura By B.Sc. - M.Sc. Forensic Science Students of National Forensic Sciences University – Tripura Campus

B.Sc. - M.Sc. Forensic Science (3rd Semester) students of National Forensic Sciences University, Tripura campus went for a visit to the Physics Division of the State Forensic Science Laboratory, Tripura with faculty Dr. Rutwik Shedge on 1st December, 2022. The students gained practical knowledge on how to record the density and refractive index of glass evidence, how to examine layers of paint under a stereomicroscope, and how to do density gradient analysis of soil samples.

Painting Competition was conducted by NFSU Tripura Campus on the topic "One Earth, One Family and One Future"

To create awareness regarding G20 Summit 2023: India's Presidency, NFSU – Tripura campus organised a painting competition on **17th March 2023**, on the topic "**One Earth, One Family and One Future**". The topic was selected to create awareness among the students about the G20, 2023 theme "**Vasudhaiva Kutumbakam**". The competition was conducted on NFSU - Tripura campus. A total of 24 students participated from three different programmes currently running here at NFSU, Tripura campus. The total number of female students that participated were 15 in number and the total numbers of male students were 9 in number. The registration for participation was free of cost and certificates will be provided to all the participants. The mode of conduct was offline in National Forensic Sciences University (NFSU) - Tripura Campus. The participants were given 1.5 hours to complete their paintings and they were evaluated by the judges.

Visit by VIPs/Delegations/Guests etc:

Hon'ble Chief Minister of the State of Tripura, Shri Biplab Kumar Deb visits NFSU (Transit) Campus in Tripura

On 8th March, 2022 on the auspicious occasion of laying of foundation stone of the NFSU Tripura Campus, Hon'ble Chief Minister of the state of Tripura visited the transit campus of NFSU Tripura (erstwhile old campus of B. Ed. College) in the evening. He was welcomed by the faculty members and the staff and was given a tour of the campus. The currently run courses were discussed and future courses to be introduced and further development of infrastructure were discussed.



Invited guest lecture by Dr. Lallukhum Fimate, Forensic Medicine expert and ex-director of Regional Institute of Medical Sciences (RIMS, Manipur)

NFSU, Tripura campus had the fortune to welcome Dr. Lallukhum Fimate, ex -director of RIMS Imphal for a short visit. Dr. Fimate is a pioneer in the field of forensic medicine and has many accolades throughout his entire career. He and his wife were welcomed warm-heartedly by the Director of NFSU, Tripura campus Dr. H.K. Pratihari as well as all other staff and faculty members on 9th June, 2022. A one-day seminar session was organised for the students in which Dr. Fimate discussed very interesting case studies from his vast experience in Forensic medicine. The students were extremely inspired by the session.



Invited guest lecture by Dr. Kailash Chandra, Ex-director Zoological Survey of India

NFSU, Tripura campus had the fortune to welcome Dr. Kailash Chandra, Ex-Director, The Zoological Survey of India for a short visit. The Zoological Survey of India (ZSI) was established to promote survey, exploration and research leading to the advancement of various aspects of exceptionally rich life of the Indian subcontinent. Scientists in ZSI are engaged in exploring, naming, describing, classifying and documenting animals from all over India. Dr. Chandra was welcomed warm-heartedly by the Director of NFSU, Tripura campus Dr. H.K. Pratihari as well as all other staff and faculty members on 24th May, 2022. A short seminar session was organised by the staff on 25th May, 2022 in which Dr. Chandra presented an interesting talk on the various case studies related to Wildlife Forensics during his term in the ZSI. The talk as well as the discussion following it enlightened and encouraged all the faculty members of the NFSU, Tripura Campus.



Invited guest lecture by Dr. Asok Bandyopadhyay, Joint Director – C-DAC (Centre for Development of Advanced Computing), Kolkata.

NFSU, Tripura campus had the opportunity to welcome Mr. Asok Bandyopadhyay, Joint Director – C-DAC, Kolkata for a short visit on 17th July, 2022. Mr. Bandyopadhyay presented and proposed joint activity on document forensics between NFSU, Tripura Campus and C-DAC, Kolkata. He was welcomed by the Director of NFSU, Tripura campus, Dr. H.K. Pratihari as well as all other faculty and staff members. His proposal was discussed and further progress was planned. Research and Development work on forensic document examination was planned to solve need based problems.

Invited guest lecture by Prof. S.A. Hussain, HoD, Department of Physics, Tripura University

An invited technical talk was organised by Dr. Arpan Datta Roy, Assistant Professor at National Forensic Sciences University (NFSU), Tripura campus on 16th September, 2022. Prof. S.A. Hussain, HoD, Department of Physics, Tripura University (A Central University) presented a lecture on the topic –Higher Education Research and Development for a sustainable future. Apart from the talk, discussions were also held to allow students to go for an exchange programme between NFSU and Tripura University. It was decided that certain students of NFSU, Tripura campus will also be allowed to pursue M.Sc. thesis work at the state-of-the-art laboratories of Tripura University. Prof. Hussain appreciated the efforts of NFSU Tripura campus in its academic journey so far and also wished to collaborate on more such joint research projects. Campus Director, Dr. H.K. Pratihari and Dr. Rakesh Yadav, Dean (i/c) Academics, expressed sincere gratitude to Prof. Hussain for delivering the talk and also requested for more frequent lecture sessions at NFSU Tripura campus.



Expert lecture on Cyber Forensic was organised by Dr. Charanarur Panem, Assistant Professor, NFSU Tripura. Shri Bapi, Senior Scientific officer, FSL, Tripura gave a talk on "Cyber Forensics" on 21st November, 2022.

Independence Day celebration at NFSU Tripura Campus flag hoisting by Dr. Asha Srivasatava, Director CFSL, CBI

75th Independence Day was celebrated at NFSU Tripura Campus, Radhanagar, Agartala. A three-day programme was conducted to celebrate "Azadi ka Amrit Mahotsav". The first day began with "Prabhat Pheri" followed by expert sessions on Nationalism and Patriotism by Prof. K. N. Jena, Professor and Former Director, Distance Education, Tripura University, and Lieutenant Colonel Suyog Dave from Army Air Defence. On the second day quiz was conducted on Nationalism and Patriotism along with cultural programme by the students. On the final day, 15th August 2022, all the faculty members as well as staff and students attended the hoisting of the National flag. Our special dignitary for the occasion was Dr. Asha Srivastava, Director CFSL, CBI. She addressed the students as well as the staff on the auspicious occasion.



Outstanding Achievements:

Sr. No.	Particular	Total No.
(g)	Conference Paper presented	7
(h)	Journal Paper published	22
(i)	Conference/ Workshop/ Seminar/ Webinar participated	27

BHOPAL CAMPUS



About Campus:

NFSU Bhopal is an off-site campus of National Forensic Sciences University (NFSU), an Institution of National Importance established under the aegis of Ministry of Home Affairs, Government of India. With a sole objective of creating professional expertise in the field of Forensic sciences. NFSU Bhopal campus is established with the objective of strengthening forensic facilities in Madhya Pradesh. As a part of its mission, the Bhopal Campus offered the following four programs in Forensics and allied subjects in its first year (2022-23):

- (a) M.Sc. Forensic Science
- (b) PG Diploma in DNA Forensics
- (c) PG Diploma in Forensic Documents examination
- (d) PG Diploma in fingerprint sciences

Based on a very encouraging response received in its first year, the campus is contemplating offering more programs from the next academic year.

The Government of Madhya Pradesh has allotted 27 acres of land to NFSU for establishing a world-class campus to cater to the needs of students from India and Abroad. NFSU Bhopal is currently functioning from a transit campus located in the premises of Central Forensic Science Laboratory, Bhopal (CFSL).

List of Programs offered:

Sr. No.	Program Name	Duration
1	M.Sc. Forensic Science	02 Year
2	PG Diploma in DNA Forensic	01 Year
3	PG Diploma Forensic Document Examination	01 Year
4	PG Diploma in Fingerprint Science	01 Year

Faculty Members:

Sr. No.	Faculty name and designation	Qualifications	Specialisation/ Interest Area
1	Dr. Rajesh Singh Yadav	M.Sc., Ph.D.	Toxicology/Forensic Neuro Science
2	Dr KK Mishra	M.A. Ph.D.	Forensic Psychology

Details of Scientific Assistant/ Research Fellows:

Sr. No.	Faculty name and designation	Qualifications	Specialisation/ Interest Area
1	Ms. Dhanshree Borker	M.Sc.	Forensic Toxicology

Research projects:

Name of Faculty	Title of project	Duration	Cost (INR)	Sponsoring Agency
Dr. Rajesh Singh Yadav	Metabolomics and molecular profiling to assess the neurobehavioral toxicity of Nano pesticides and their synergetic effect on developing mice.	03 Years	50,29,000/-	SERB-DST NEW Delhi

Faculty Achievements and recognition:

Name of faculty	Achievement / Recognition
Dr. Rajesh Singh Yadav	Awarded second position in best post award in AIFSC 2023

Training imparted by the Campus/ Academy:

Brief Details of Training	From (Date)	To (Date)
01-week capacity enhancement program organised by NFSU, Gandhinagar	03/01/2023	10/01/2023

Training received by Faculty and Staff members (Offline and Online):

Name of faculty/ Staff	Brief Details of Training	From (Date)	To (Date)
Dr. Rajesh Singh Yadav	01-week capacity enhancement program organised by NFSU, Gandhinagar	03/01/2023	10/01/2023

Conferences/ Workshops/ Seminars/ Webinars attended and paper presentation by faculty members:

Name of faculty/ Staff	Date	Particulars	Specification
Dr. Rajesh Singh Yadav	2-4 Feb 2023	AIFSC 2023	Paper presentation

Students Activities and Achievements. Visits/ Training/ Internship:

Sr. No.	Student Name, Course Name, Semester	Particulars of the Achievement
1	Total 23 Students (MSc 18, PG Diploma in DNA Forensics 03, PG Diploma in Forensic Document Examination: 02)	Visited NFSU Gandhinagar Campus and participated at AIFSC 2023 from Feb 2-4, 2023

Guwahati Academy

About Campus/ Academy:

NFSU Academy - Guwahati, Assam is an academy of National Forensic Sciences University (NFSU), which has been established in collaboration with the Directorate of Forensic Science Services (DFSS, New Delhi) and Central Forensic Science Laboratory - Guwahati (CFSL-Guwahati) in the Month of June 2022 through NFSU Notification ADM/NFSU/NotiCampuses/1932/2022. The academy is presently functioning from the Central Forensic Science Laboratory – Guwahati building in the Kamrup district of Assam.

The academy has been established with the objective to impart quality education in Forensic and allied Sciences and conduct training for the FSL, Law Enforcement Agencies, Judiciary, and various other Government and Industry personnel. Training in the areas of DNA Forensics, Ballistics, Questioned Documents, cybercrime, Forensic Toxicology, Analysis of narcotic drugs and psychotropic substances, and wildlife forensics will be conducted at this academy. Presently three academic programs (PG Diploma in DNA Forensics, PG Diploma in Forensic Document Examination, and PG Diploma in Fingerprint Science) are running at this academy. These programs can be availed by in-service persons and students pursuing another academic degree in parallel. The academy wants to promote Forensic Science education in the state of Assam and the whole north-eastern region of India and will help to strengthen the criminal justice delivery system. The campus is headed by the campus coordinator in association with the Director of CFSL-Kamrup. Experienced faculty members from NFSU, Directors, Deputy Directors, and Assistant Directors of CFSL, and senior scientific staff from both CFSL and state FSL are working as resource persons for this academy. The academy has excellent infrastructure at the CFSL-Kamrup building with smart classrooms, state-of-the-art sophisticated laboratories equipped with high-end instruments, Library, and computers.



Facilities (Infrastructural development).

Transit Campus- C/o CFSL, Barkheda bonder, Bhopal:

The Transit Campus is established in the CFSL Bhopal which is located at a distance of 25 km from the main city of Bhopal.

Ever since the establishment of the campus in Sep-2022, concerted efforts have been made to create a conducive ecosystem for the academic activities. General sprucing up of the area, creation of a basic library & laboratory, indoor sports facilities, a small cafeteria etc. are some of the infrastructural development works carried out in the first year.

Further developments of creating more class rooms with adequate furnishing, a conference cum meeting room and a synthetic badminton court are in the pipe line and will be taken up soon. The transit campus is equipped with all necessary basic facilities such as clean washrooms, a separate rest room for women students, CCTV surveillance system and a small cafeteria.

Permanent Campus- Near Police Academy, Bhauri, Bhopal:

With regard to the progress of permanent campus, a regular follow-up has been maintained with the revenue department of Govt of M.P. since the announcement of allocation of 27 acres of land and Bhumi Pujan Ceremony by the Hon'ble Home Minister of Govt of India on 22 Aug 2022. Govt of M.P. has already allocated and notified 15 acres of land and the allotment of remaining 12 acres is in the final stages of approval by Govt. of M.P.

A proposal to appoint CPWD (M.P. Zone) as the PMC for construction of the campus is under serious consideration at the HQ.

Miscellaneous:

Regular visits are being made to various higher education Institutes located in and around Bhopal to increase the outreach of the campus as well as to increase its visibility and enhance awareness amongst various target groups.

Introduction of Campus Coordinator

Dr. Harshad Patel is currently serving as the Campus Director of the National Forensic Sciences University (NFSU), Guwahati campus on deputation, and Senior Assistant Professor of the School of Engineering and Technology, NFSU Gandhinagar.

He earned his B.Sc. degree from Hemchandracharya North Gujarat University in 2002. He completed his M.Sc. in Materials Science (2004) and his Ph.D. in Nanotechnology/Materials Science (2010) from the Sardar Patel University, Vallabh Vidyanagar, Gujarat. His doctoral study was focused on the synthesis of carbon nanotubes via a novel route, and the fabrication of aligned carbon nanotube-based nanocomposite materials using Chemical Vapour Infiltration (CVI) techniques for various applications.

Dr. Patel has 13 years of Research and Academic experience in the field of Nanotechnology and Materials science and forensic application of Nanotechnology.

Dr. Patel works in the area of synthesis, characterization of Nanomaterials, and applications of nanotechnology in forensic, environment, and composites fields. Some of the areas where he has contributed significantly include – the synthesis of aligned carbon nanotubes-based nanocomposites for thermal applications, Nanosensors for trace detection in the forensic field, development of nanotechnology-enabled body Armour materials, Nanosensors for detection and remediation of environmental pollutants.

Dr. Patel has been the recipient of the Junior Research Fellowship of DST and the Meritorious Research Fellowship of UGC. He also received a Senior Research Fellowship from the Ministry of Home Affairs, New Delhi to carry out a research project entitled Development of Nano techniques and technology for fingerprint detection and Identification of toxic trace materials in biological matrices. He has also worked as a mentor for Students Start-up Innovation Policy (SSIP) of Gujarat state. Currently, he is working as a principal investigator in the Seed Money Project of NFSU to carry out research on nanotechnology-based body armour materials for defence applications.

Dr. Patel has published more than 35 research articles in various peer-reviewed journals, in books, and at various international and National Conferences in India and abroad.

Dr. Patel has supervised more than 30 master's degree students and is currently, guiding 5 doctoral studies students at NFSU. He has been serving as an expert in various academic and administrative committees such as the Board of Studies, research progress committees, purchase committees, library, and anti-ragging committees. He has also served as the nodal officer of the scholarship cell for degree and doctoral studies students.

Dr. Patel has been a member of the Indian carbon society, Materials Research Society of India (MRSI), and Chemical Research Society of India (CRSI).

Activities in Campus/ Academy:

List of Programs offered:

Sr. No.	Program Name	Campus	Duration
1	PG Diploma in DNA Forensics	Guwahati	One year (Two Semesters)
2.	PG Diploma in Forensic Document Examination	Guwahati	One year (Two Semesters)
3.	PG Diploma in Fingerprint Science	Guwahati	One year (Two Semesters)

Faculty Members:

Sr.	Faculty name and designation	Campus	Qualification	Specialization
1.	Dr Kailash Chandra, Professor	NFSU Guwahati	M.Sc., Ph.D.	Wildlife Forensics

Publications:

Research Papers:

Singh, V. K., Joshi, B. D., Dalui, S., Ghosh, A., Jabin, G., Sharief, A., Kumar, V., Singh, H., Singh, S. K., Chandra, K., Sharma, L. K., and Thakur, M. "Genetic diversity and population structure of Himalayan tahr (*Hemitragus jemlahicus*) from Western Himalaya" *Mammalia*, vol. 87, no. 3, 2023, pp. 238-244. <https://doi.org/10.1515/mammalia-2022-0037>

- Ghosh, D., Saini, J., Subramanian, K.A. and Chandra, K. (2023). *Euasipolynesia Vachal*, 1903 (Hymenoptera: Apoidea: Megachilidae): A New Addition to Bee Fauna of India with Comments on Natural History. *Natl. Acad. Sci. Lett.* 46, 193–197 (2023). <https://doi.org/10.1007/s40009-023-01234-x>
- Das G. N., Ali, M., Bálint, Z. Singh, N. Chandra, K., Gupta, S.K. Visiting Ladakh Himalaya for a better knowledge of butterflies: new faunistic data with annotations (Lepidoptera, Papilionoidea). *Zootaxa*. 5271(3):401-445:DOI: [10.11646/ZOOTAXA.5271.3.1](https://doi.org/10.11646/ZOOTAXA.5271.3.1)
- Gupta, D., Keith, D. Bhunia, D., Das, P., Ghosh, J., and Chandra, K. (2023). Review of *Melolontha* Fabricius, 1775 (Coleoptera: Scarabaeidae: Melolonthinae) from India with the description of two new species. *Zootaxa* 5263. (2):191-216.
- Priyambada, P., Singh, V.K., Singh, A., Joshi, B.D., Dalui, S., Wangmo, L.K., Ghosh, A., Thapa, A., Singh, S.K., Chandra, K., Sharma, L.K. and Thakur, M. (2023) Noninvasive genetic monitoring of Chinese pangolin (*Manis pentadactyla*) from Darjeeling district of Northwest Bengal, India. *Wildlife Letters*, 1, 15-22. <https://doi.org/10.1002/wll2.12005>.
- Jehamalar, E.E., Dash, S., Chandra, K., and Raghunathan, C., (2023) *Amemboa* Esaki (Hemiptera: Gerromorpha: Gerridae) of India, with descriptions of two new species and establishment of species groups of world species. *Zootaxa*, 5239.1.4.: DOI: [10.11646/ZOOTAXA.5239.1.4](https://doi.org/10.11646/ZOOTAXA.5239.1.4).
- Subrata, G., and Chandra, K. (2023). A new distributional range of *Abraxas antipusilla* Inoue, 1995 (Lepidoptera: Geometridae) from Eastern Himalaya, India. *Zootaxa*. 5228.2.6:DOI: [10.11646/ZOOTAXA.5228.2.6](https://doi.org/10.11646/ZOOTAXA.5228.2.6).

Books:

Sivaperuman, C., Banerjee, D., Tripathy, B. and **Chandra, K.** (Eds.), (2022). *Faunal Ecology and Conservation of the Great Nicobar Biosphere Reserve*. Springer, Singapore. https://doi.org/10.1007/978-981-19-5158-9_21, pp. 1-373.

Book Chapter

Singh, L.R.K., Gupta, D. and **Chandra, K.** 2023. Ichneumonid Parasitoids. In: Omkar (Ed.), *Parasitoids in Pest Management*. CRC Press. 8 pp.

Faculty Achievements and recognition

Name of faculty	Achievement / Recognition
Dr Kailash Chandra	Evaluated the D. Sc. Thesis received from Mangalore University, Mangalore on 8 th February 2023.
Dr Kailash Chandra	Invited as 'Chief Guest' during the 'National Conference on Life Sciences and Biotechnology for the Eternal Development' on 24th March 2023 at SDSMS, Palghar, Maharashtra.
Dr Kailash Chandra	Invited as an expert for the Board of Studies meeting for B.Sc., Forensic Science at Down Town University, Guwahati on 27th March 2023.

Conferences/ Workshops/ Seminars/ Webinars attended and paper presentation by faculty members

Name of faculty/ Staff	Date	Particulars	Specification
Dr. Kailash Chandra	14 th Dec, 2022	One Day Seminar on DNA Forensics organized by NFSU Academy, Guwahati	Paper presentation on 'DNA Wildlife Forensics'
Dr. Kailash Chandra	24 th March 2023	SD SMS, Palghar, Maharashtra.	Life Sciences and Biotechnology (Inaugural Lecture)

Webinar Conducted

Sr. No.	Particulars of the Webinar	No. of Participants	Details of the Faculty member
1	One-Day Seminar on DNA Forensics	60	The program was organized by NFSU Academy, Guwahati in association with CFSL, Kamrup, Guwahati.

Facilities (Infrastructural development)

1. Class Room with Overhead multimedia projector
2. Seminar Hall with Interactive Board
3. 1 Laboratory of DNA
4. Internet with Wi-Fi connectivity
5. Library (more the 115 Books)
6. Computer Lab
7. Classrooms, Laboratory, and Office with UPS back up

Instruments Purchased

1. Mini Centrifuge
2. Oven
3. Refrigerator for Sample and Chemical Storage
4. PCR workstation (Tendered)
5. PCR Machine (Tendered)
6. Nano spectrophotometer (Tendered)
7. Stereo Microscope (Tendered)

Extension Activities

Name of faculty	Extension Activities
Forensic Laboratory Visit	Students of PG Diploma in DNA Forensic visited the Directorate of Forensic Science Laboratory, Kahilipara, Guwahati along with Prof. Kailash Chandra and Dr. Harshad Patel, Coordinator, NFSU Academy. They have visited DNA Laboratory where they have conducted hands-on training in DNA extraction and Identification. Dr. Monalisa Chaudhary and Dr. Arup Manta guided the students during this visit.
 	

Visit by VIPs/Delegations/Guests etc:

Shri Keshav Kumar, IPS (Rtd), ex-DGP Gujarat and Forensic Consultant to the Government of Assam visited the NFSU Academy on 9th February 2023. During his visit, Shri Keshav Kumar interacted with Faculty members and students. The coordinator of NFSU Academy has appraised the various courses and activities of the academy.



Special initiatives by the Academy

A One-day Seminar on DNA forensics was organized on 14th December 2022 jointly by NFSU-Academy and CFSL Kamrup. The resource persons for this seminar were Dr. AK Sharma, Director, CFSL, Kamrup, Dr. Monalisa Chowdhary, DFS, Guwahati, Prof. K. Chandra, NFSU, Dr. M. Das, Guwahati University. The convener of the seminar was Prof. P. Maity. More than 60 Students and Scientists from colleges, Universities, and Forensic Laboratories have participated in it.





Pune Academy

About Campus/ Academy:

National Forensic Science Academy - Pune, Maharashtra (NFSU Academy – Pune) is an academy, which has been established in collaboration with Directorate of Forensic Science Services (DFSS, New Delhi) and Central Forensic Science Laboratory - Pune (CFSL- Pune) in the Month of June 2022 through NFSU Notification ADM/NFSU/Noti_Campuses/1932/2022. The academy is presently functioning from the CFSL - Pune building in the Pune district of Maharashtra. The NFSU Academy, Pune envisions a holistic development through research, training & quality education. It is an eminent institute dedicated towards imparting and building scientific aptitude in highly specialized domains.

The academy has been established with the objective to impart quality education in Forensic and allied Sciences and conduct training for the FSL, Law Enforcement Agencies, Judiciary and various other Government and Industry personnel. Training in the areas of DNA Forensics, Ballistics, Questioned Documents, cyber-crime, Forensic Toxicology, Analysis of narcotic drugs and psychotropic substances, wildlife forensics will be conducted from this academy.

The NFSU Academy, Pune Campus will address the challenges associated with shortage of Forensic Experts throughout the country and globe. The enormous void created by lack of resources for investigative research creates hindrance for the functioning of the judiciary system of the nation. With the sole objective of overcoming such hurdles, the Pune Academy offers opportunities to render it possible to achieve the goal of battling crimes through Forensic and allied science. Presently, NFSU Academy –Pune offers courses in the niche areas of Crime Scene Management, DNA forensics & Cyber Security.

The School of Cyber Security & Digital Forensics, NFSU offers PG Diploma in Cyber Security at NFSU - Pune. The course is concretely designed to encompass technical proficiency & requisite knowledge to address the menaces of Cyber Security. The School of Forensic Science, NFSU is exclusively dedicated towards the developments & the contributions in the field of Forensic Science & Investigative studies. The School of Forensics science primarily offers PG Diploma in DNA Forensics & Crime Scene Management at NFSU - Pune. The courses are focused on quality research, facilitated by high-end lab facilities.

The academy is presently functioning from the CFSL – Pune, in Maharashtra. The campus is headed by the campus coordinator in association with the Director of CFSL- Pune. Experienced faculty members of NFSU and Scientists from CFSL – Pune are working as resource persons for this academy. The curriculum is chiefly designed by experienced academicians and experts to cater the needs of the scientific community and build competence among the students.

Objective of the Academy:

- ❑ To impart quality education and research in various domain of forensic sciences with a focus on the need of the north east India.
- ❑ To conduct rigorous training activities involving various stakeholders of law enforcement agencies and help the criminal justice delivery system.
- ❑ To providing consultancy services to government and private organizations from India and abroad related to crime investigation and crime prevention.
- ❑ To carryout collaborative academic and research activities with eminent national and international educational institutes and industry R&Ds.

Activities in Academy:

List of Programs offered:

Sr. No.	Program Name	Duration
1	PG Diploma DNA Forensics	1 Year (2 Semesters)
2	PG Diploma Crime Scene Management	
3	PG Diploma Cyber Security	

Faculty Members:

Sr. No.	Faculty Name	Designation	Qualifications	Specialization/ Interest Area
1	Dr. Jasmin Kubavat	Campus Coordinator	M.Pharm, Ph.D.	Pharmacology and Toxicology
2	Dr. Deepak Rawtani	Associate Professor	M.E., Ph. D.	Nano-biotechnology
3	Ms. Sharada Avadhanam	OSD	M.Sc.	Forensic Science/Crime Scene Management

Publications:

Research Papers

- Kubavat J., Sarvaiya JR, Tyagi T, Banerjee S., Aggarwal P. Development of Levan capped silver nanoparticles-based product and its effect on wound healing'. BurnsOpen. 7(1) 2023.
- Muralikrishnan A., Kubavat J., Vasava M., Jupudi S., Biju, N. (2023). Investigation of Anti-SARS COV-2 activity of some Tetrahydro curcumin derivatives: An in silico study. Int J App Pharm, 15(1), 333-339.
- Anil Kavad, Kajal Patel, Prasenjit Maity, Jasmin Kubavat, Sagar Bhowmik "Luminescence Detection of Fluoroquinolone Antibiotic Contamination in Raw Milk Samples by Lanthanide Probes and its Validation with LC-MS/MS Technique" Journal of Food Chemistry; Nanotechnology. 8 (3) 2022.
- Parikh, G., Parikh, B., Natu, A., Rawtani, D. (2022). Uses of nanocellulose in the environment industry. In Nanocellulose Materials pp. 157–178. Elsevier.
- Dube S., Rawtani D., Khatri N., Parikh, G. (2022). A deep delve into the chemistry and biocompatibility of halloysite nanotubes: A new perspective on an idiosyncratic nanocarrier for delivering drugs and biologics. Advances in Colloid and Interface Science, 102776.
- Parikh G., Rawtani, D. (2022). Environmental impact of COVID-19. In COVID-19 in the Environment. 203–216. Elsevier.
- Saadat, S., Rawtani, D., Parikh, G. (2022). Clay minerals-based drug delivery systems for anti-tuberculosis drugs. Journal of Drug Delivery, Science and Technology, 103755.
- Pandey G., Tharmavaram M., Khatri N., Rawtani, D. (2022). Mesoporous halloysite nanotubes as nano-support system for cationic dyes: An equilibrium, kinetic and thermodynamic study for latent fingerprinting. Microporous and Mesoporous Materials, 346, 112288.
- Pandey, G., Tharmavaram M., Khatri N., Rawtani, D. (2023). Halloysite nanotubes as nano-support matrix to tailor cellulase and acetylcholinesterase-based 'nano-biocatalysts' for waste degradation and electrochemical sensing. Applied Clay Science, 234, 106852.
- Pandey, G., Tharmavaram, M., Phadke, G., Rawtani, D., Ranjan, M., & Sooraj, K. P. (2022). Silanized halloysite nanotubes as 'nanoplatfrom' for the complexation and removal of Fe (II) and Fe (III) ions from aqueous environment. Separation and Purification Technology, 293, 121141.
- Satish S, Dey A, Tharmavaram, M., Khatri N., & Rawtani, D. (2022). Risk assessment of selected pharmaceuticals on wildlife with nanomaterials based aptasensors. Science of The Total Environment, 836, 155622.
- Tharmavaram, M., Pandey, G., Khatri N., Rawtani, D. (2023). L-arginine-grafted halloysite nanotubes as a sustainable excipient for antifouling composite coating. Materials Chemistry and Physics, 293, 126937.

SSIP projects:

Name of faculty	Title of project	Duration	Cost (INR)	Sponsoring Agency
Dr. Jasmin Kubavat, Shubhamkeliya	Wheels on wings	1 Year	Rs. 50,000/-	SSIP/NFSU
Dr. Jasmin Kubavat, Smit Nayak	SKOR-X	1 Year	Rs. 50, 000/-	SSIP/NFSU

Start up initiatives by Faculty and students:

Name of faculty/ Student	Name of the Start-up	Area	Cost (INR)	Sponsoring Agency
Dr. Jasmin kubavat Shubham Y Kelaia Smit B Nayak	SKOR-H	Extraction& Production	1.50 lakh	NFSU
Dr. Jasmin kubavat Shubham Y Kelaia	GADI MEDICARE	Healthcare	2 lakh	NFSU

Training received by Faculty and Staff members (Offline and Online):

Name of faculty/ Staff	Brief Details of Training	From (Date)	To (Date)
Dr. Jasmin Kubavat Dr Deepak Rawtani	Faculty Development Program	3 January 2023	10 January 2023
Dr. Jasmin Kubavat Dr. Deepak Rawtani	Gender Awareness Program	5 January 2023	5 January 2023
Ms. Sharada Avadhanam	Certified Cyber Security Governance Professional Information Sharing And Analysis Center	7 May 2022	22 JUNE 2022
	NSD Certified Cyber Security Scholar Programme Cohort 4 Information Sharing And Analysis Center	30 August 2022	20 November 2022
	Certification In Cyber Psychology information Sharing And Analysis Center	17 February 2023	9 April 2023

International and National Collaborations:

Sr. No.	Name of the Parties	Brief Description of the MoU	Financial stake, if any
1.	CFSL Pune, DFSS MoHA, GoI and NFSU Gandhinagar	Academic, Education, Research and Training	No

Students Activities and Achievements:

Sr. No.	Student Name, Course Name, Semester	Particulars of the Achievement
1	Students of all three PG Diploma Semester – 1, NFSU Pune	The Students of all three PG Diploma Semester – 1 NFSU Pune had Visited PTC Khandala and Regional Forensic Sciences Laboratory Pune in February – 2022

Special initiatives by the Campus/ Academy:

- **Academy got inaugurated in June 2022.**
- **Visit to Police Training College, Khandala in February, 2022**

To explore areas of mutual coordination and cooperation as an initiative towards this goal both the coordinator of the campus and OSD took a tour to PTC located in Khandala in February 2022. The visit had twin purpose of seeking the mutual cooperation in areas of common interest and to bring in awareness among the faculty and participants of various courses about the courses being run by Pune academy. The interaction focused on advantages that would accumulate to the participants of having a firsthand feel of hands on various gadgets in real life scenarios. Since police the main stakeholders in the criminal justice system a thorough and deep knowledge of cyber security and digital forensics they are given to understand as to how the courses running in the Pune academy will be beneficial not only to the fresh students but also for in-service personnel and upgrading the skills sets of the professionals also.

- **Visit to Regional Forensic Laboratory, Pune in February, 2022**

The students of all streams were taken for a visit to RFSL PUNE in February 2022, showed all the wings of RFSL, the practical component attached with each paper were thoroughly imparted to all the students with hands on practice while understanding the procedure theory practice principle behind the experiments the intake of the cases received in RFSL how they are processed, how preliminary examination, how many and confirmatory examinations are being done and how the reports are generated out of that while maintaining the integrity and chain of custody of all the material objects which are being received in the FSL. The visit was beneficial as it brought awareness as to the facilities available for our students to get exposure to the latest technology.

Institute of Forensic Sciences for Training & Skilling Manipur

About Academy:

Evidently, Manipur being a small state in the Union of India, in terms of population and land area, however, the variety and rates of crimes are quite high while the conviction rate is very low. State data reports plenty of crimes against women & children. Being a border state near the Golden Triangle, number of cases related to cultivation, trafficking and consumption of illicit drugs are on higher side. The problem of insurgency in the state has also added a large variety and number of crimes, including ransom money, extortion, unauthorized possession and usage of sophisticated firearms etc. The rate of Digital/ Cybercrimes has been increasing very fast. Further, with opening of the Trans-Asian Highway to Myanmar through the border town of Moreh in Manipur, a lot of complicated international crimes are also expected to be dealt with in the near future. Looking into such urgent challenges in the criminal justice system, Ministry of Home Affairs, Govt. of India has delegated an imperative assignment to the National Forensic Sciences University (NFSU) to facilitate in creation of qualified manpower needed to strengthen crime investigations. Subsequently, a high-level team comprising of Executive Registrar, NFSU, Director-DFS, and Nodal officer East India made a courtesy visit to Hon'ble Chief Minister of Manipur Shri N. Biren Singh Ji for establishing an NFSU off-campus in Manipur. The Hon'ble Chief Minister gave the consent for the establishment of the NFSU campus for creating skilled manpower in Forensic Science and strengthening the forensic capabilities of Manipur and neighbouring states. Following this major development, a Tripartite MoU has been signed by NFSU, DFS and the Govt. of Home, Manipur to establish the Institute of Forensic Sciences for Training & Skilling (IFS-T&S), National Forensic Sciences University (NFSU)-Manipur.

At present a transit campus is being established at Southern Wing of Manipur Police Training College (MPTC), Pangei and Govt. of Manipur has allotted nearly 5 acres of land adjacent to DFS-Manipur and 6th IRB at Pangei. Currently the campus is offering five different Post Graduate Diploma Programs.

Foundation Stone Laying Ceremony is yet to organize for the NFSU-Manipur Campus. Expansion of academic activities (for e.g. by opening other degree and integrated courses as per NEP-2020) and further research activities and consultancy services shall take place after establishment of new campus.

Activities in Academy: List of Programs offered:

Sr. No.	Program Name	Duration
1	PG Diploma in Forensic Document Examination	1 year
2	PG Diploma in Forensic Ballistics	1 year
3	PG Diploma in Crime Scene Management	1 year
4	PG Diploma in Cyber Crime Investigation	1 year
5	PG Diploma in Drug and Substance Abuse Laws	1 year

Coordinators: Dr. Proshanto Kumar Saha (from 01/07/2022 to 31/12/2022) Dr. Biswajit Dey (from 30.12.2022 to 30.06.2023) Officer:

Sr. No.	Officer name and designation	Qualifications	Specialisation/ Interest Area
1	Dr. Soraisam Joychandra Singh Officer on Special Duty(OSD)	Ph.D	Forensic Ballistics

Faculty Members:

Sr. No.	Officer name and designation	Designation	Qualifications	Specialisation/ Interest Area
1	Dr. Soraisam Joychandra Singh	Officer on Special Duty(OSD)	Ph.D	Forensic Ballistics
2	Bogimayum Abdul Razaque	Visiting Faculty	Ph.D (Pursuing)	Forensic Entomology
3	Johny Chingakham	Visiting Faculty	MBA Forensic Accounting	Forensic science, Forensic accounting, Fraud Investigation, Crime scene management
4	Laishram Leimalen	Visiting Faculty	M.Sc. Forensic Sciences (UGC-NET)	Forensic Question Document Examination
5	Laishram Hemanta Singh	Visiting Faculty	MTech in Cyber Security	Cyber Security,Digital Forensics, Computer Forensics, Cyber Law, Computer Network, OSINT, Social Media crime investigation, Darkweb/Deepweb Analysis, Financial Fraud Analysis, CDR/IPDR/Tower Dump Analysis, etc.
6	Dr. Naorem Ramananda Singh	Visiting Faculty	Ph. D. (Chemistry)	Photoluminescence, Photocatalysis, Hyperthermia, Drugs for Biomedical applications etc.
7	Nongmaithem Ajay Singh	Visiting Faculty	Ph.D.(pursuing)	Forensic Ballistics
8	Khundrakpam Priyanka Devi	Visiting Faculty	M.Sc	oology Fishery
9	Nongmaithem Dinamani Singh	Visiting Faculty	M.CA.	Computer forensic,Mobile Forensics,Computer Triage Incident Response, DVR Forensic,Image and video Forensics
10	Loitongbam Bilasini Chanu	Visiting Faculty	M.Sc.	Forensic Science, NET Forensic. PGDC in Forensic Chemistry and Toxicology
11	Thoudam Chandramani Singh	Visiting Faculty	M.Sc	Forensic Ballistics
12	Oinam Manao Singh	Visiting Faculty	M.Sc.	Forensic Question Document Examination
13	Mongjam Subhalaxmi Devi	Visiting Faculty	L.L.M	Master of Laws in Crime & Security Laws

Publications: Research Paper

1. Naorem R. S., Singh N. P. Singh N. M. (2022). Synthesis of SnS_2 photocatalysts and investigation of their photocatalytic activities under sun light irradiation, *Advances in Materials and Processing Technologies*, 8(4), 4720-4730. <https://doi.org/10.1080/2374068X.2022.2079591>
2. Sharma, S. Bogimayum A. R. & Sharma, S. (2022). A Retrospective Study of Hanging by Suicide Death in Manipur, *Asian Journal of Forensic Sciences*, 1(1), 29-33.

Faculty Achievements and recognition:

Name of faculty	Achievement / Recognition
Laishram Hemanta Singh	i) Received two Appreciation Letters from North Eastern Police Academy (NEPA), Shillong, Meghalaya for providing the training to Law Enforcement Agency Officials. ii) Received Appreciation Letter from Directorate of Forensic Sciences (DFS), Guwahati, Assam for providing training to newly appointed 39 Scientific Officers, Junior Scientific Officers.

Training imparted by the Academy:

Brief Details of Training	From (Date)	To (Date)
Topic: "Cyber Security and its Challenges" organized by IIIT Manipur and NFSU Manipur	04/01/2023	04/01/2023

Training received by Faculty and Staff members (Offline and Online):

Name of faculty/ Staff	Brief Details of Training	From (Date)	To (Date)
Laishram Hemanta Singh	"CHFI (COMPUTER HACKING FORENSIC INVESTIGATOR)" conducted by the EC Council.	19/09/2022	10/01/2023
Laishram Hemanta Singh	"The International Cyber Threat Task Force" conducted by ICA (International Compliance Association)	09/03/2023	10/03/2023
1. Johnny Chingakham 2. Bogimayum Abdul Razaque 3. Laishram Hemanta Singh 4. Lairenjam Lanchenbi Chanu	ERP Training by NFSU (availed online modality)	21/12/2022	23/12/2023

Conferences/ Workshops/ Seminars/ Webinars attended and paper presentation by faculty members:

Name of faculty/ Staff	Date	Particulars	Specification
Laishram Hemanta Singh	04/01/2023	Topic: "Cyber Security and its Challenges" organized by IIIT Manipur and NFSU Manipur	Participation (Organizer)
Laishram Hemanta Singh	01/11/2022	Topic: "Digital Evidence Search, Seizure and Preservation" training for the police officers in the rank of Dy. SP to Superintendent of Police (SP) across the country at North Eastern Police Academy (NEPA), Shillong, Meghalaya	Resource Person
Laishram Hemanta Singh	12/01/2023	Topic: "Cyber Forensics and Photography Analysis" training for the Scientific Officers of Directorate of Forensic Sciences Guwahati Assam.	Resource Person
Laishram Hemanta Singh	22/02/2023	Topic: "Mobile Forensics and CDR/IPDR Analysis" training for the police officers in the rank of Dy. SP to Superintendent of Police (SP) across the country at North Eastern Police Academy (NEPA), Shillong, Meghalaya	Resource Person
Laishram Hemanta Singh	23/10/2022	Radio Discussion Topic/interview: "Cyber Security and it its related laws" organized by Manipur State Legal Service Authority, Thoubal, Manipur at Diamond Radio 91.2	Resource Person
Laishram Hemanta Singh	18/10/2022	One Day Cyber Awareness on "Cyber Security and Cyber Awareness Program" organized by Echel Computer (CSC), Bishnupur District, Manipur	Resource Person
Laishram Hemanta Singh	17/04/2023	"IT-Forensic Roadshow 2023" organized by MI-Service	Participation
Bogimayum Abdul Razaque Johnny Chingakham Laishram Hemanta Singh Laishram Leimalen Dr. N Ramananda Singh Khundrakpam Priyanka Devi Nongmaithem Ajay Singh	21/10/2022	Seminar on "Narcotic Drug Abuse" by Dr. Pratihari (Director, NFSU Tripura Campus & Former Director of FSL Tripura.) organised by IFS-T&S, NFSU-Manipur.	Participation (Offline)
Bogimayum Abdul Razaque Johnny Chingakham Laishram Hemanta Singh Laishram Leimalen Dr. N Ramananda Singh Khundrakpam Priyanka Devi Nongmaithem Ajay Singh Oinam Manao Singh	1/02/2023 - 4/02/2023	Forensic Hackathon Meet by NFSU & Directorate of Forensic Sciences Services (DFSS) under Ministry of Home Affairs.	Participation (Online)
Bogimayum Abdul Razaque Johnny Chingakham Laishram Hemanta Singh Laishram Leimalen Dr. N Ramananda Singh Khundrakpam Priyanka Devi Nongmaithem Ajay Singh Oinam Manao Singh	1/02/2023 - 4/02/2023	All India Forensic Sciences Conference (AIFSC 2023)	Participation (Online)

International and National collaborations:

Sr. No.	Name of the Parties	Brief Description of the MoU (e.g., Academic Collaboration, Research etc.)	Financial stake
1.	Government of Manipur & Director, Directorate of forensic Science Manipur & National Forensic Sciences University, Gandhinagar.	The Governor of Manipur, represented for and on his behalf by Deputy Secretary (Home), Government of Manipur & Director, Directorate of forensic Science Manipur (hereinafter jointly referred to as –GoM"), Which expression shall unless repugnant to the context or meaning thereof include its successors and permitted assigns) of the ONE PART & National Forensic Sciences University, Gandhinagar, a University established under the National Forensic Sciences University Act 2020 (32 of 2020), by Government of India having its registered office at Gandhinagar, Gujarat represented for and on its behalf by Executive Registrar (hereinafter referred to as –NFSU"), which expression shall unless repugnant to the context or meaning thereof, include its successors and permitted assigns) of the OTHER PART.	

Visit by VIPs/Delegations/Guests etc:



Inspection of allotted land (5 acres) by Executive registrar.



Agreement between Govt. of Manipur, and NFSU Gandhinagar (HQ).



Campus visit by Dr. Pratihari (Director, NFSU Tripura Campus & Former Director of FSL Tripura.) organised by IFS T&S, NFSU-Manipur



Group Photo with Prof. Dr. Kailashnath of NFSU Guwahati Campus, Campus Coordinator Manipur Campus, Faculty & staff members and along with Students.



Ex Registrar visiting at Sangai Festival 2022 as special guest.(receiving of memento)



Crime Scene Examination



Lecture class conducted by Prof. Dr. Kailashnath of NFSU Guwahati Campus



Campus visit by Prof. Dr. Kailashnath of NFSU Guwahati Campus



Students visiting conference regarding Cyber Security and its Challenges organized by IIIT Manipur and NFSU Manipur



Conference visit on Cyber Security and its Challenges organized by IIIT Manipur and NFSU Manipur

Miscellaneous

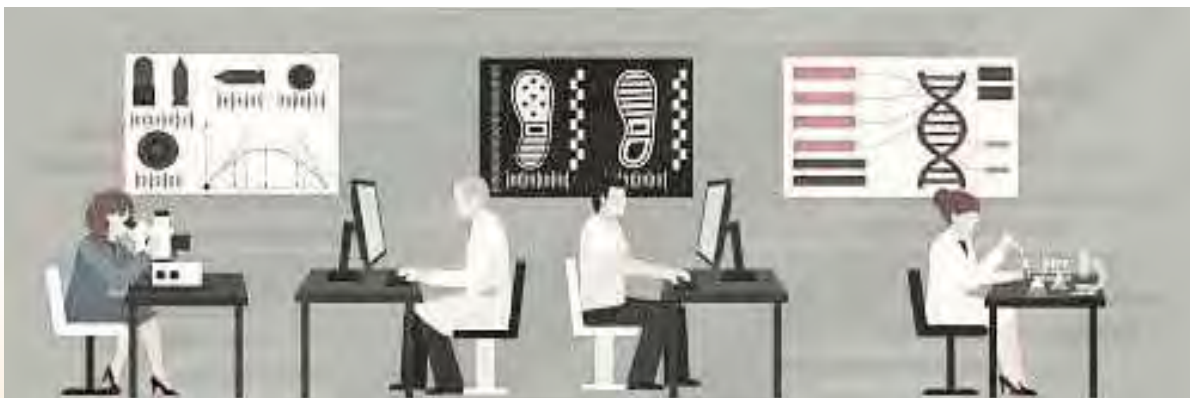
1) All the necessary and due activities for the **Foundation Stone Laying Ceremony (FSLC)** for NFSU-Manipur Campus (land filling, elevation and related work) and construction of our own campus (Sub Soil Testing and Topographical Survey) were completed in the month of February, 2023. All the necessary official communications, regarding these, with required images and reports were made available with the HQ administration, through emails, dated 17/02/2023 for land related work and 23/02/2023 and 07/03/2023 for SST and TS.

The state of readiness was informed and requests of approval from HQ for planning FSLC have been made through emails, dated 28/02/2023 and 03/05/2023 respectively. However, NFSU's first overseas campus inauguration in Uganda and subsequently, profound ethnic violence and preventive curfew orders across the state since 03/05/2023 till date have delayed the planning of the ceremony.

As per the latest meeting with the Joint Secretary of the Home Department, Manipur State, dated 19/06/2023, during the first half of the working hours, a formal approval letter from HQ is being requested so that the State Ministry can pursue the issue and finalization of a date for FSLC to the Central Home Ministry after stabilization of ongoing unrest in the state.

2) For streamlining academic activities and for the better exposure of the students of Manipur Campus to various practical and field work, heads of the concerned departments of two Government Medical Colleges and Hospitals were officially contacted and Manipur academy of NFSU has implemented the schedule of the same (letters are attached with this annual report).

3) Extensive promotional campaigning activities for the admission in the new academic year (2023-2024) for NFSU-Manipur Academy have started since April, 2023 at various UG colleges and Manipur University campuses. The activities also included publication of admission notice in various local newspapers, broadcasting the same through Imphal radio station etc. Necessary supportive documents can be provided to HQ, if asked and required.



Centre of Excellence for Research and Analysis of NDPS

About the Centre:

National Forensic Sciences University has been conferred with Centre of Excellence for Narcotic Drugs and Psychotropic Substances by Ministry of Home Affairs, Government of India Vide letter no. F. No 25013/43/2011-WS-III dated 26-4-2-19. Facility was inaugurated by Honourable Union Home Minister of India Shree Amit Shah on 12th July 2021.

The state of an art, Centre of Excellence for Research and Analysis of Narcotic Drugs and Psychotropic Substances has been established with a mission to extenuate the issues arising of illicit drug trafficking and Narco-terrorism. The premier facility is equipped with high end technology to identify substances of abuse, designer drugs, precursor chemicals and other impurities in the illicit drugs seized by the various law enforcement agencies. The Centre would also promote scientific technologies for predictive and preventive studies. Through the educational campaign like seminar, conferences and workshop, Centre of Excellence (COE) will educate various law agencies, scientific fraternities and other stake holders to identify current upcoming trends in illicit drugs and precursor detection leading to rapid court convictions of Narcotics cases.

MISSION AND VISION

- To strengthen the Law Enforcement Agencies to combat cases of drug abuse.
- To maximize the total conviction rate of Narcotic Drugs & Psychotropic Substances.
- To educate and empower Law agencies, Forensic fraternities, and other stakeholders in latest technology related to Narcotic Drugs & Psychotropic Substances.

OBJECTIVES

- To conduct research in different zones of narcotic drugs and psychotropic substances to facilitate the law enforcement agencies in quick conviction of the narcotic cases.
- To acquaint and create expertise in scientific fraternity in the advanced areas of instrumental analysis of NDPS and designer drugs.
- To create state of art centralized facilities in inter-disciplinary areas of NDPS drugs analysis.
- To create data base of NDPS drugs to establish network between Forensic Science Laboratories and other laboratories engaged in Narcotic Drugs analysis.
- To create a facility for quality management system and proficiency testing programs related to NDPS drugs.
- To impart training and enhance capacity building of the officers engaged in law enforcement agencies.

Facilities available at the Centre:

COE-NDPS is the premier facility spurred out of the focus for Research, Testing and Training related to Narcotic Drugs & Psychotropic Substances.

RESEARCH:

CoE-NDPS is equipped with high end technologies for the purpose of research, such as;

- GC- HR MS ● GC –EA IRMS ● ICP-QQQ with IC ● LC HRMS

ANALYSIS :

- **Sample Preparation Room** for sample preparation & extraction carried.
- **Wet Testing Laboratory** for preliminary analysis (Dedicated facility to perform all wet analysis).
- **Instrumentation Room** to perform confirmatory analysis. Dedicated Laboratory/Hub with optimum ambient atmosphere for latest high end Chromatographic & Spectroscopic Technologies includes:
 - Gas Chromatography with FID/NPD (GC-FID/NPD)
 - Gas Chromatography – Mass Spectrometry (GC-MS)
 - High Performance Liquid Chromatography (HPLC)
 - Fourier Transform Liquid Chromatography (FTIR)
 - UV – Visible Spectrophotometry (UV-Vis)
 - Direct Insertion Mass Spectrometry (DI MS)

TRAINING:

NDPS Drug testing kits are available at CoE- NDPS to provide hands on training to Law Enforcement Agencies.

Activities undertaken during the FY 2022-23:

Training: Training were imparted to various officials of Consultancy/ Analysis

	Name of training program	Date		No. of candidate attended Training	Organization/ Department attended
		From	To		
1	Hands-on training on techniques and tools for field examinations	29.08.2022	02.09.2022	62	IPS Officers of SVPNPA, Hyderabad
2	Hands-on training on techniques and tools for field examinations	05.09.2022	09.09.2022	61	IPS Officers of SVPNPA, Hyderabad
3	Hands on training on techniques and tools involving cases of arson, fire, explosives and NDPS	29.08.2022	16.09.2022	9	Scientific Officers State Forensic Sciences Laboratory, Karnataka
4	Lectures imparted on —Basic Training on Forensic Science□	20.06.2022	16.09.2022	60	Scientific Officers State Forensic Sciences Laboratory, Karnataka
5	Internship at CoE-NDPS	21.06.2022	20.07.2022	5	M.Sc. Forensic Science students, Karunya University Tamil Nadu
6	Internship at CoE-NDPS	01.06.2022	30.06.2022	15	B.Sc. Forensic Science students, Karunya University Tamil Nadu
7	Hands on training on techniques and tools involving cases of arson, fire, explosives and NDPS	04.02.2023	02.03.2023	4	Scientific Officers State Forensic Sciences Laboratory, Karnataka
8	Lectures imparted on —Basic Training on Forensic Science□	05.12.2022	03.03.2023	34	Scientific Officers State Forensic Sciences Laboratory, Karnataka
9	Training program on —Narcotic Drugs and Psychotropic Substances□	09.01.2023	20.01.2023	45	ITEC Officers
10	Training	09.01.2023	13.01.2023	10	Maldives Police Services
11	Short term training program on —Crime Scene Management□	14.03.2023	10.04.2023	50	Scene of Crime Officers, State Forensic Sciences Laboratory, Karnataka

Total No. of Officers Trained= 3

Case Works:

Sr. No	Type of Organization	Name of Organization	Number of Cases	Number of Exhibits
1.	Central Government	Narcotics Control Bureau	21	121
2.	Central Government	Directorate of Revenue Intelligence	2	9
3.	Gujarat State Government	Special Operation Group, Dwarka	1	47
TOTAL			24	177

Knowledge Extension/Support
 COE-NDPS, NFSU supported various Schools and Centres of NFSU

Sr. No.	Name of School	No. of samples analysed
1	School of Forensic Sciences	67
2	School of Engineering & Technology	145
3	School of Medico-legal Studies	99
4	School of Pharmacy	37
5	Centre for Futuristic Defence Studies	4
TOTAL		352

Sr. No	Name of agency to whom given	Type of consultancy	Number of Cases	Number of Exhibits	Revenue generated (Rs.)
1	Archaeological Survey of India	Central Government	4	62	1,06,200
2	Gujarat Subordinate Service Selection Board	Gujarat State Government	1256	1256	20,06,000
			229	229	11,80,000
3	Gujarat National Law University	University	1	2	23,600
4	Kelvin Jute Mills	Private	2	10	1,18,000
5	Reliance General Insurance Pvt. Ltd	Private	8	17	2,00,600
6	K P Woven Private Limited, Gandhidam	Private	1	3	35,400
7	Sangam India Ltd., Rajasthan	Private	1	5	59,000
8	Inox World Industries Pvt. Ltd., Haryana	Private	1	26	3,06,800
9	Cholamandalam MS General Insurance Company Ltd.	Private	1	2	23,600
10	Accuprec Research laboratory, Ahmedabad	Private	1	1	28,026
11	SHUATS, Uttar Pradesh	University	1	3	21,240
TOTAL			1506	1616	41,08,466/-

Special initiatives by the Centre during the FY 2022-23:

- a) **Initiative taken to establish CoE-NSTS:** Initiative has been taken to establish Centre of Excellence in Nutritional Supplements Testing for Sportsperson. A tripartite MoU has been signed by MYAS (Ministry of Youth Affairs and Sports), NADA (National Anti-Doping Agency), FSSAI and NFSU. An amount of **6 Cr.** has been granted by MYAS for the establishment of the Centre.
- b) **Development of NDPS Drug Testing Kit "PARICHAYAN":** CoE-NDPS has been working to design and develop a prototype of indigenous NDPS field-testing kits which are going to be cost effective, easy to use, and more shelf life which will enhance the field detection capabilities of Law Enforcement Agencies of India. These kits are also can be used multiple times. Prototype development & validation of the kit has been completed.
- c) **Filed for Industrial Design and Trademark on NDPS Drug Testing Kit "PARICHAYAN":** As the Prototype development & validation of the kit has been completed, CoE-NDPS has applied for the industrial design and trademark on the NDPS field-testing kit.
- d) **Patent - "Test for Preliminary Detection of Barbiturates Class of Drugs":** Patent for the development of a novel presumptive test for barbiturate detection which is more sensitive than old presumptive test and reduce the chance of getting false positive results. (Patent No.-411605).
- e) **Copyright of "Concept and Design of CoE NDPS":** Copy right on the concept and design of the premier facility —Centre of Excellence for Narcotic Drugs and Psychotropic Substances"
- f) **ART-A-THONCoE-NDPS:** United Nations General Assembly declares 26th June as the International Day against Drug Abuse and Illicit Trafficking. This day aims at raising awareness of the dangers of illicit drug use and trafficking. On this occasion CoE-NDPS organized an ART-A-THON (A drawing competition) in collaboration with HIGH ON LIFE FOUNDATION on 24th June 2022.
- g) **ART-A-THONCoE-NSTS:** As a part of the awareness program, CoE-NSTS has organized an event named "ART-A-THON" (drawing competition) on the International Day of Education, i.e., on January 24, 2023, with the theme —Say Yes to Drug Free Sports." There were a total of 26 participants from different disciplines. Three of the best drawings were chosen for the award.
- h) **Participated in the International Collaborative Exercise (Proficiency testing):** The ICE programme is an independent inter- laboratory exercise, conducted by UNODC in drug analysis which allows for forensic drug and toxicology laboratories worldwide to continuously evaluate their own performance and assess the quality of their results. CoE-NDPS participated in the ICE program, conducted by UNODC in the year 2022 Round 2, and the result is awaited.
- i) **Achieved ISO 9001:2015:** CoE-NDPS is a premier laboratory established by with a mandate of strengthening law enforcement agencies by imparting training, and conducting research and analysis in the field of Narcotic Drugs & Psychotropic Substances. To evaluate the quality of the service that the Centre is providing, it is important to get certified by ISO 9001:2015. ISO9001 is a quality management system which promotes competency, confidence and efficient quality service. It thereby helps the Centre to be more efficient and improve customer satisfaction. In the month of March 2023 CoE-NDPS have achieved ISO9001:2015 certification.
- j) **Application filed for NABL affiliation:** Laboratory Accreditation activities are administered under the direction of the Board for National Accreditation Board for Testing and Calibration Laboratories (NABL), by involving Technical Committees and Evaluation Panels as the recommending bodies. NABL affiliation will help to improve the quality of services provided by the Centre, to develop and maintain criteria which can be used by a Centre to assess its level of performance and to strengthen its operations, to provide an independent, impartial and objective system by which Centre can be benefited through a total operational review. Therefore, being a premier laboratory, it is important to being affiliated by NABL. Hence application filed for the same.

Conducted Awareness Programme for Athletes: On the occasion of sports week celebrated by National Forensic Sciences University, CoE-NSTS conducted an Awareness Programme for Athletes on the topic "Sports Supplements as a Major Cause of Anti-Doping Rule Violations" in collaboration with SAI Netaji Subhas Western Centre, Gandhinagar on 16th March 2023.

Centre of Excellence in Cyber Security

1. About Centre of Excellence Cyber Security:

A Cyber-Range capability offers a practical and controlled setting where attack scenarios and security responses can be evaluated in real-world conditions and recorded and analyzed to improve the overall resilience of target networks

Unique Features:

- The first-ever ISO/IEC 27001 Certified Laboratory in India with the United Kingdom Accreditation Service (UKAS) Accreditation.
- Unique setup with cutting-edge tools and technologies integrated on a single platform to provide teaching, training, research and consultancy activities.
- In addition to Information Communication Technology (ICT), two important Cyber verticals - Operational Technology (OT) and Internet of Things (IoT) are recently integrated on the existing platform.
- Imparting hands-on training to higher education students, and special training to government officers, police and cyber security experts from more than 70 countries.
- Well qualified and trained faculty members with ISO / IEC 17025 certifications, providing advanced Cyber-Forensic investigation support to some of the most prestigious organizations in India and abroad.
- Supports innovative start-ups in the field of Cyber Forensics to convert high quality research into functional products like Cyber Kiosk and Mobile OT Audit kits under the theme of "Atma Nirbhar Bharat."

2. Facilities available at the Centre:

Digital migration is inevitable in traditional corporate environment to Industrial Control System (ICS) and so is the increase in Cyber-attack surface. This entails full-proof Cyber security framework for Critical National Infrastructure (CNI) and sensitive ICT assets. A complete test bed with 360-degree view on ICT and OT Infrastructure has been built to secure the sensitive CNIs. Besides that, on demand consultancy services in the following areas are being provided:

A. Cyber Security As – A - Services

- **Penetration testing:**
NFSU offer best-in-class tools and manual analysis to carry out effective penetration testing across each layer of system developments that includes:
 - Network penetration techniques,
 - Application penetration techniques,
 - Client-side exploitations.
 - Server-side exploitations
 - Remediation controls.
- **Network Vulnerability Assessment:**
Network devices are commonly targeted by hackers to threaten the entire network or to steal information. NFSU can help you to validate the configuration of various technology devices & platforms on your network as per best practices. We also help you to identify security issues and weak links in your network through network assessment.
- **Infrastructure and System Hardening:**
Infrastructure and system hardening are the process of tuning all the network devices and servers to increase security and helps to prevent unauthorized access. We will ensure that the hardening standards are in place and in line with industry benchmarks and that your servers are patched and configured to comply with these standards This would ensure that your network devices are secure and are proudly playing their role without any security misconfiguration thereby reducing the internal attacks.

□ **Cyber Security Governance and compliance:**

Application security testing is an approach to explore cyber security requirements and uncover vulnerabilities in web & mobile applications by performing dynamic security testing. Application security testing can be performed using latest trends and techniques that ensure security to the end users.

□ **End-Point Security:**

Organizations today seek strategic approach for infrastructure and network security. NFSU helps you to proactively address your organization's security needs with Infrastructure and Endpoint Security. With our services, organization gets extensive security expertise and security solution deployment experience coupled with efficient and cost-effective implementations. We help you to maximize the value of your technology investments by securing your enterprise data and networks.

B. Secure Software Engineering

□ **Application Security Software Development Life Cycle (SDLC) Assurance:**

Application Security is an integral part of today's complex business applications. A holistic, security review approach of NFSU can be used in parallel to application software development to cover the security reviews among different phases of SLDC.

□ **Secure Coding Configuration Review & Application Security Testing:**

- Examine an application's source code to the fullest to make it full proof.
- Identify any existing security flaws or vulnerabilities.
- Critical validation for logical errors, proper specifications implementation, and style guidelines, using best-in-class tools and highly skilled professionals.
- Compliance with international standards and guidelines in-line with industry standard best practices.

Application Security Risk Assessment:

- Overall assessment of security posture of the application.
- Identity and evaluate security gaps affecting confidentiality, integrity and availability of the application

C. Digital Forensics – As – A – Services

□ **Forensic Data Collection:**

We extract data, maintaining the integrity of the digital assets for conducting investigation. This copy doesn't just include files, which are visible to the operating system, but every bit of data, every sector, partition, files, folders, master boot records, deleted files, and unallocated spaces. The image is an identical copy of all the drive structures and contents.

□ **Computer Forensics:**

Digital investigations in variety of fraud cases including data leakage, Cyber-attack, malware incident, unauthorized access etc. Our latest forensic technology laboratory is equipped with high-end workstations, tools and forensics experts that gives us the capability to effectively analyse legally defensible evidence.

Using the array of technology our forensic professionals can recover information from computer hard drives and many other media types including active, deleted, hidden, lost or low encrypted files, file fragments and even files that were merely viewed but never saved.

□ **Network Forensics:**

We provide visibility into network attacks by offering scalable investigation for capturing and indexing of the network packets. Our professionals provide total visibility of network traffic allowing organization to perform historical analysis as well as to prepare against emerging trends.

□ **Mobile Forensics:**

NFSU brings substantial experience to support hand held device investigations. In particular, we have helped many organizations to preserve mobile devices, provide forensic analysis, reporting of devices, perform data extraction and produce mobile device data into standard review formats. Our teams of specialists forensically collect mobile devices using industry standard tools and protocols that are tested and verified.

□ **Malware Detection and Analysis:**

At NFSU, malicious software will be analysed through a root-cause oriented approach. Our forensic tools help in assessing whether malware has been installed in compromised corporate systems and interconnected systems may have been affected.

□ **Live Forensics:**

We are also involved in collection of volatile information that resides in registries, cache and RAM. Volatile information assists in determining a logical timeline of the security incident, and the possible user responsible for the crime.

D. Critical National Infrastructure Security

□ **IoT and OT Secure Architecture Development and Deployment:**

We at NFSU, protects connected IoT assets against cloning and malicious access. We deliver state-of-art hardware security containers. We ensure your data integrity and security through encryption-based mechanisms.

□ **Security Audit and Assessment:**

A Security Assessment is a preparatory exercise or a proactive evaluation, while an Information Technology (IT) Audit is an externally-reviewed appraisal of how well an organization is meeting a set of legal standards or required guidelines. We at NFSU, takes care of both the aspects of your organisation.

□ **Training and Up skilling:**

We believe in up skilling of security professionals to make the national cyber space self-reliant in the aspect of securing the critical national infrastructure. We at NFSU, having a one of its kind stimulated environments for SCADA and OT. Professionals get hands on experience in strengthening the defence OT critical infrastructure, further enriching the knowledge base for the rapid incident response and proactively hunting for cyber threats.

□ **Intelligent Security Operation Centre:**

NFSU I-SOC is a managed security posture facility run by security professionals who leverage technology to monitor an organization's entire information domain to detect, prevent and respond to attacks. Our services help organizations with assistance in formulating a Security Readiness Plan (SRP) to address any cyber security incident.

□ **Industrial Malware Detection and Analysis:**

To maintain the availability of Industrial Control System (ICS), it is important to robustly detect malware infection that spreads with the network. We detect and analyse such lurking malware which can spread malware infection and have the potential to do targeted malware attack and compromise critical infrastructure, while evading the security.

E. Cyber Security & Digital Forensics: Skill Development & Capacity Building:

The evolving nature of cyber-crime and growing complexity of Cyberspace demands availability of highly trained manpower to detect, investigate and prevent cyber incidents. NFSU's CDC is a unique of its kind Lab that encompasses wide spectrum of Cyber-Forensic tools as a part of the advanced Cyber Range, designed and built to address the Cyber-Forensics Capacity enhancement and skill requirements of the nation. The CDC provides hands-on training in the following areas:

- ☐ Cyber Crime Investigation Techniques.
- ☐ Cyber Warfare.
- ☐ Vulnerability Assessment & Penetration Testing.
- ☐ Web & Mobile Application Audit and Assessment.
- ☐ Network Security Audit and Assessment.
- ☐ Management of Security Operations Centre.
- ☐ Drone Forensics.
- ☐ RBI/IBA approved certified Information Security Professionals course.
- ☐ Information Security Auditors and Assessors Program.

F. Security Operations Centre (SOC) AS-A-Service:

With a dedicated Cyber Security Operations Centre (CSOC) that monitors networks across the continent, CDC's SOC provides advanced analytic processes to determine, confine, and destroy the threat. Our advanced malware detection and response capabilities safeguard organizations against emerging threats and zero-day vulnerabilities. CDC forensic professionals are providing expert solutions to our law enforcement agencies with a proactive damage assessment and repair and/or continuity of operations activities.

Our monitoring and proactive approach is backed by a comprehensive research and development mechanism that has one of our key strengths in research of malware and application since our inception.

A SOC is a cyber clearing house run by security professionals who leverage technology to monitor an organization's entire information domain to help prevent, detect and respond to attacks. It is equal to Process, People and Technology and, is a facility where an organization information systems like websites, applications, databases, data centres and servers, networks, desktops and other endpoints are monitored, assessed and defended.

Services:

- | | |
|--|--|
| <input type="checkbox"/> Real Time Security Monitoring | <input type="checkbox"/> Vulnerability Management |
| <input type="checkbox"/> End point protection solutions | <input type="checkbox"/> Cyber Emergency Response Services |
| <input type="checkbox"/> Cyber Threat Identification & Alerting Services | <input type="checkbox"/> Malware Detection & Analysis |
| <input type="checkbox"/> Patch Management | <input type="checkbox"/> Compliance Monitoring |

G. Capacity Building:

National Forensic Sciences University (NFSU) provide capacity building & awareness programs to train corporate entities. Academia & law enforcement officials to educate the stakeholders on the latest trends in crimes & training them on latest forensic tools & technologies. NFSU is providing training in Digital & Mobile Forensics for staff in all key departments, such as Legal, ICT, Information Security, Accounting, Audit/Inspection, Forensics, Investigation, Prosecution, Judiciary, Admin/Human Resources, etc.;

Forensics Examiners and other officers working in the Lab who may testify as Expert Witnesses and present electronic evidence in courts and tribunals. NFSU is also conducts various certification programs in the field of digital forensics such as:

- I. Certified Cyber Crime Investigation Officer - First Responder Roles & Responsibility
- II. Certified Computer Forensic Expert
- III. Certified Mobile Phone Examiner
- IV. Certified Cyber security professional
- V. Certified Complete Forensic Investigator
- VI. Certified Information Security Professional Officers from numerous organizations from different LEAs, Corporates, and Academia have availed these customized certifications programs including:

<input type="checkbox"/> Ministry of External Affairs (MEA)	<input type="checkbox"/> Canara Bank Professionals
<input type="checkbox"/> ICICI Bank Professionals	<input type="checkbox"/> Karnataka FSL
<input type="checkbox"/> GAIL India Limited	<input type="checkbox"/> ED – Investigating Officers

Our clients:

National Investigation Agency | Directorate General of GST Intelligence (DGGI) | Enforcement Directorate (ED) | Director General of Income Tax (DGIT) | Chief Commissioner of Income Tax (CCIT) | Narcotics Control Bureau (NCB) | National Crime Records Bureau (NCRB) | Central Bureau of Investigation (CBI) | Directorate of Revenue Intelligence (DRI) | Gujarat Police, | Delhi Police, | Chandigarh Police, | Uttar Pradesh Police, | J & K Police, | Diu – Daman Dadra Nagar Haveli (DNH) Police | Andhra Pradesh FSL, | Goa FSL | J & K FSL | Adani Group | L & T Infotech | ICICI Bank | Rajkot Nagrik Sahkari Bank | Cipla Ltd. Intas Pharmaceuticals | Lupin Ltd.

Activities:

The Centre of Excellence Cyber Security has organized following activities,

Cyber Awareness Month

School of Cyber Security & Digital Forensics, National Forensic Sciences University (NFSU) is celebrating October 2022 as National Cyber Security Awareness Month (NCSAM). Dr. J.M. Vyas, Vice-Chancellor, NFSU gave the presidential address in the inauguration ceremony on 6th October, 2022.

During the lamp-lighting ceremony, Dr. J.M. Vyas, Vice-Chancellor, NFSU; Air Commodore Kedar Thaakar, Dean-SPSSS and Prof. (Dr.) Naveen Kumar Chaudhary, Dean-SCSDF were present.

A series of events such as Table-Top Exercise on 7th October; SOC Bootcamp on 8th October; Cyber Yoddha on 11th October; Painting and Rangoli on Cyber Security on 12th October; Operational Technology (OT) CTF on 13th October; Cyber Awareness Campaign on 14 to 16th October, Expert Talk on 5G Security on 16th October, Expert Talk on OT Security on 19th October and Webinar Series and Cyber Adalat and Cyber Debate will be take place during this month. Deans, Associate Deans of various schools and students were present during the inauguration ceremony.



Special initiatives by the Centre during the FY 2022-23.
Visits and Delegations :



The Cyber Defence Center (CDC) of NFSU has become the first-ever ISO/IEC 27001 certified Laboratory in India with UKAS and NABCB accreditation. ISO Certificate date 24/01/22



Army Officer Visited NFSU at Gandhinagar on 28TH March, 2022.



Chief of the Army Staff, General M.M Naravane, PVSM, AVSM, SM, VSM, ADC Visited NFSU at Gandhinagar on 13TH April ,2022.



Visit of Shri Lanka Governor Visited NFSU at Gandhinagar on 9TH May, 2022.



Air Force Officer Visited NFSU at Gandhinagar on 7TH June, 2022.



National Security Advisor, Shri Ajitkumar Doval KC Visited NFSU at Gandhinagar on 10th June, 2022.

Special initiatives by the Centre during the FY 2022-23.
Visits and Delegations :



Vice Chief of Naval Staff (VCNS), Vice Admiral S N Ghormade, PVSM, AVSM, ADC Visited NFSU at Gandhinagar on 15th July, 2022.



Army Judge Visited NFSU at Gandhinagar on 20th July, 2022.



Army Officer Visited NFSU at Gandhinagar on 30th Sept, 2022.



Surinam president Visited NFSU at Gandhinagar on 12th January, 2023.



Jindal College Visited NFSU at Gandhinagar on 3th March, 2023.



NDA Officer Visited NFSU at Gandhinagar on 14th March, 2023.

Ballistic Testing Range and Research Centre

About the Centre:

Ballistic research centre & testing range an (*ISO 9001:2015 certified*) is a solely dedicated centre for application and development of advanced technology in the area of forensic ballistics. The more emphasize is given on the services to the targeted sectors or agencies such as defence establishments, law enforcement agencies and other security service providers. The entire process of service includes the examination and assessment of ballistics materials such as armoured materials e.g. Armour Vehicle, Body Armour, Helmet/ Patka, Run Flat Tyre, Composite LPG Cylinder, Bullet Resistant Panels and Stab Resistance Panel of Personal Body armour based on the internationally accepted standards and norms

Facilities available at the Centre:

Laboratory is equipped with the facility to perform testing, analysis, and product development for many ballistics finished products, processes, systems, in-process materials, raw materials and components such as:

Body Armor
 Vehicle Armor
 Helmets
 Other Protective materials
 Proof Range Testing



Jacket

Testing of Complete BR Jacket, BR Vest & Individual component can be tested in accordance to following various standards.

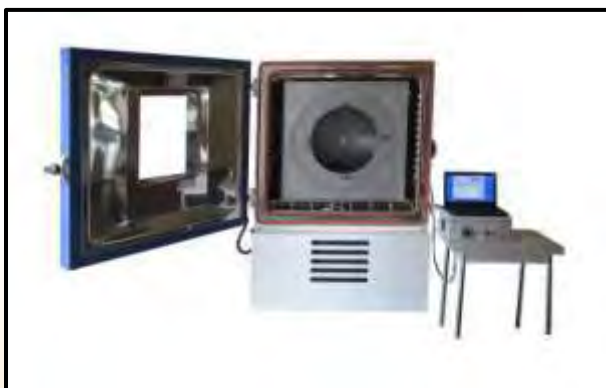
Test Standard:

MHA QR/TD, IS 17051:2018,

NIJ0101.06, NIJ0101.04.

Additional feature:

Service life assessment test (Tumbling & Conditioning) of the samples to determine the serviceability of 05 years.



Armoured Vehicle Testing

Ballistic testing of light & medium bulletproof vehicle testing up to 6 Ton Capacity in accordance to national & international test standard

Test Standard for BR Vehicle

AEP-55/STANAG-4569

User Specified

Additional feature:

360°Degree Rotation of Vehicle

Lifting capacity up to 2 meter height

Tilt of 30°Degree in all direction



BR Helmet & Patka

Ballistic evaluation & testing of helmet & Patka of all sizes.

Test Standard:

MHA QR/TD

BPR&D Standard

NIJ0106.01

User Specification



BR Patka



BR Helmet

Other Protective materials:

Testing of various materials like BR panels, BR glass, shields & sentry post are being tested as per EN-1063, NIJ and various other test standards.

Proof Range Testing:

Authorization has been given by MHA to NFSU to conduct the security and safety audit in accordance to arms rules 2016 of the various proof ranges developed by various arms and ammunition manufacturer. The audit covers all the aspects and safety guidelines prescribed in the security manual of MHA.

Other salient features:

In house x-ray facility.

Level IV/armour piercing test facility.

7.62 mm x 39 API BZ, 7.62 mm x 51 AP (WC Core), 7.62 mm x 54R B32 API.

Vibration table: In accordance to Indian standard 17051:2018.

Doppler radar system.

Universal test barrels.

Intelligent IR light gate.

Moving gun.

Refilling unit

Upcoming facility:

Fragment Simulating Projectile Testing.

High Speed Camera

Grenade/Blast Test facility

Activities undertaken during the FY 2022-23:

Sample tested in year 2022-2023		
Sr No	Sample Type	No of samples
1	Hard Armor Panel (HAP)	126
2	Soft Armor Panel (SAP)	133
3	HAP+SAP	188
4	Side plate	83
5	Groin	52
6	Throat	29
7	Collar	
8	BR Helmet	184
9	BR Patka	09
10	BR Glass	96
11	BR Steel	270
12	BR Armor Panel	42
13	BR Vehicle	03
14	BR Cabin	01
15	Tyre	30
16	Miscellaneous item	11
17	Security & Appraisal Audit of Proof Testing Facility	06
Total Samples Tested		1257

Revenue generated during 2022-2023:

Rs. 4,09,86,110/- (Four Crore Nine Lakh Eighty-Six Thousand One Hundred & Ten Only)

Tested sample



**Bullet resistant Glass tested with
7.62×51mm**



**Bullet Resistant Helmet tested with
9×19mm**



Soft Armor Panel tested with 9×19mm



HAP+SAP tested with 7.62×39mm (HSC)



Groin SAP tested with 9×19mm



Cylinder tested with 7.62×51 mm API

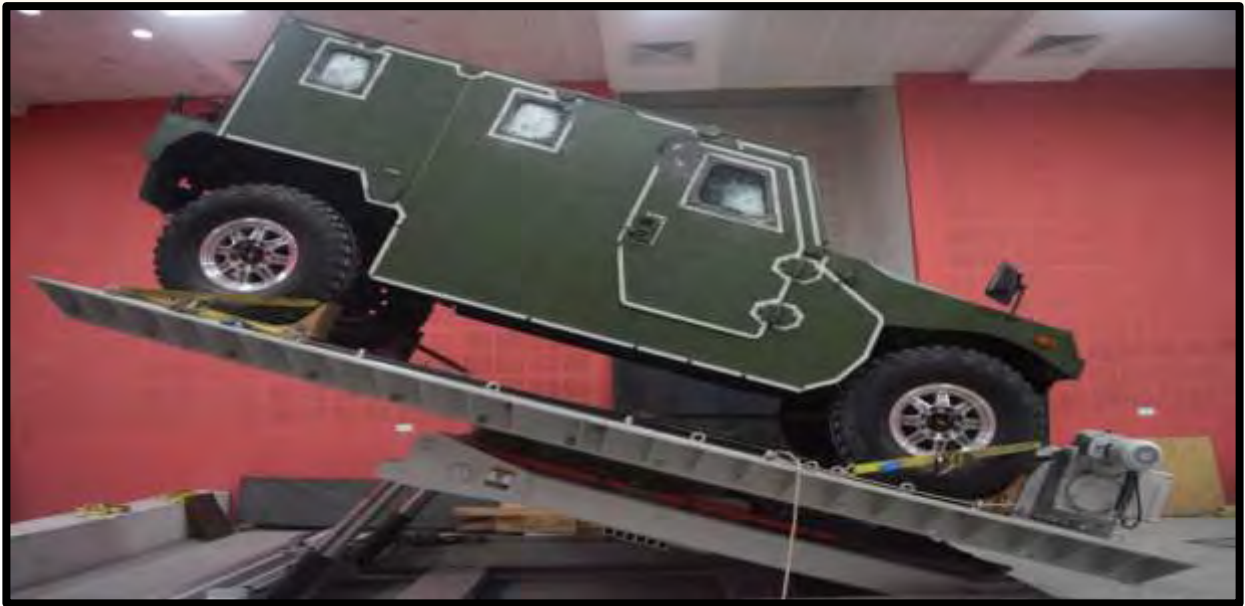


BR Steel Plate tested with 7.62×51 mm



BR Goggles tested with 12 bore

Tilting of vehicle for roof testing



Visit by VIPs/Delegations/Guests etc:



Air Force Chief



Air Force Officers



British Deputy High Commissioner



Education Ministers

Visit by VIPs/Delegations/Guests etc:



Interpol officers



Karnataka Home Minister



Governor of Sri Lanka



NDA Officers



Dr. Satheesh Reddy Advisor to Raksha Mantri

Centre of Excellence for DNA Forensics

About:

The Center of Excellence in DNA Forensics will be the first of its kind entity in India focused on providing high-quality education, training, research, and workflow development in the field of DNA forensics to forensic scientists, students, and law enforcement agencies, judiciary, and legal practitioners around the country. While encouraging global best practices, latest trends, and innovation, this center will bring focus on workflows that bring quality and uniformity to forensic DNA testing & analysis. Eventually, this state-of-the-art facility will be demonstrated as a model set up for DNA casework and data basing workflows for nationwide adoption.

This Center of Excellence will support NFS achieve its objectives of strengthening India's criminal justice institutions; assisting central and state governments to improve investigations while focusing on quality, crime detection, and prevention; and could also be helping the government in creating and maintaining a pilot national forensic DNA database for criminal investigations.

The CoE is dedicated to elevating the status of DNA forensics in India through:

- ▶ Development and implementation of leading-edge technology in DNA forensics.
- ▶ Imparting knowledge through accessible platforms such as hands-on training, workshops, and symposia for forensic and law enforcement officials worldwide.
- ▶ Offering streamlined workflows for forensic DNA analysis to provide investigative leads in a forensically responsible manner
- ▶ Delivering the latest bio forensics solutions for the most challenging and complicated crime scene samples.
- ▶ Catering to the instantaneous and huge demand of DNA experts and will be the model laboratory for DNA Forensics for India and other partner countries.

Service Offered:

- ▶ Human Identification
- ▶ Paternity testing
- ▶ Ancient DNA Analysis
- ▶ Maternal Lineage DNA Analysis
- ▶ Non-human DNA Analysis

International Centre for Humanitarian Forensics

About the Centre:

ICHF is the initiative borne out of a unique partnership between the National Forensic Sciences University (NFSU) and the International Committee of the Red Cross (ICRC). It is the world's first institutionalization for the application of forensic science to humanitarian crises.

The Centre will design and deliver high quality academic and professional training, conduct innovative research, and provide technical expertise to support field operations and consultancy services to attend to humanitarian needs related to the dignified management of the dead, including forensic human identification and support to affected individuals, families, and communities in the aftermath of a disaster.

The ICHF is envisioned as a global one stop Centre of Excellence for high quality and sustainable capacity-building, research, and innovative projects that will be at the core of operational responses to humanitarian crises and mass fatality events.

The ICHF will also explore socio-cultural realities in applying forensic sciences to humanitarian needs. Using evidence based research; we will help clearly define acceptable practices in distinct contexts, with a strong emphasis on respect for the local population and jurisdictional authorities, and with critical attention placed on ethical practice.

ICHF rests on four core activities related to humanitarian forensics:

- ▶ Teaching
- ▶ Professional training
- ▶ Innovative research
- ▶ Expert consultancy services

Facilities available at the Centre:

ICHF offers a wide range of facilities and resources to support its mission of advancing the use of forensic science in humanitarian contexts such as:

1. Library with several of the finest literary works ever written on Forensic science and disaster management.
2. Audio-visual system.
3. 3D printer.
4. Artificial skeletons for courses and workshops.
5. Excavation equipment.

Activities undertaken during the FY 2022-23:

1. Co-Head of the ICHF, Dr. Rajesh Babu, presented at an event on bioethics and the dead, co-hosted by Yenepoya University and the ICRC in the month of September, 2022.



2. At the end of November/beginning of December, ICHF hosted an International Summit on Forensic Data Management. The experts from different countries in Africa and Asia as well as NFSU faculty and students, and staff of the International Committee of the Red Cross shared experience and ideas during the summit.



3. ICHF Co-Head Dr. Derek Congram conducted a forensic anthropology workshop at Indo-Pacific Association of Law, Medicine and Science (INPALMS) in December 2022, held in Colombo, Sri Lanka. ICHF was also able to proudly represent two of its postgraduate students at INPALMS, where they presented papers.



4. ICHF conducted its First Short Course on Unmarked graves; Forensic Search and Excavation in February 2023. ICHF had a great group from different disciplines (odontology, anthropology, pathology, and police) and from several countries (India, Maldives, Bhutan, Canada, and Tanzania).



5. ICHF organised its second short course: Forensic Post-mortem and Fingerprint Photography in March 2023 at NFSU Delhi Campus. It was a great learning experience with Police, Forensic experts, NFSU faculty and researchers.



Special initiatives by the Centre during the FY 2022-23:

During the month of December, ICHF students had the incredible opportunity to conduct a humanitarian search and recovery mission for a missing WWII aircraft. The work was a joint mission conducted by the National Forensic Science University (Gandhinagar) (NFSU), the University of Nebraska-Lincoln (UNL), in cooperation with the Government of India Ministry of External Affairs and the US Defense POW/MIA Accounting



Centre of Excellence in Investigative and Forensic Psychology

About the Centre:

Centre of Excellence in Investigative & Forensic Psychology (CoEIFP) established at National Forensic Sciences University, Gandhinagar Campus is dedicated to serving the nation as one of a kind Investigative Psychology for Crime investigation, training & consultancy. It will fulfil the emergent need of Licensed Investigative Psychology professionals who will be well equipped with hands-on training in advanced Investigative Techniques like Visual stress analyzer for analyzing the change in facial color by measuring the blood flow while a suspect is under investigation; a Facial coding system which measures the tiniest change in the micro facial expressions that a criminal cannot hide, Neuroscript to analyze the handwriting pattern, personality profiling, decoding the suicide notes and for psychological autopsy; a Virtual Reality (Artificial Intelligence) Investigative psychological system to reconstruct the Crime Scene that will help in Crime Scene Profiling at the Centre of Excellence of Investigative & Forensic Psychology. Such Unique Investigative Psychology techniques will not only boost the field of Forensic Psychology but also help in detecting cases that are under-reported and lacks Psychological evidence like Sexual abuse, Workplace Harassment, Domestic Violence, Juvenile Justice, Bank fraud, malicious intent, cyber bullying, many more. Cases that are isolated, sensitive, and require fast, genuine, and conclusive reports will be taken up under CoEIFP. The CoEIFP will also provide Investigative Psychology based Recruitment services to Government and Private Agencies for criminal profiling and the suitability of an employee. All these advanced Investigative Psychology technologies will also be useful for Police, forensic experts, and Judiciary for investigation and giving justice to the innocent.



Bhoomi Pujan of CIFP, NFSU, Gandhinagar

Facilities available at the Centre:

- Psychological Profiling, Psychological Autopsy & Criminal Profiling.
- Audio-Video Interrogation
- Forensic Interview Based Recruitment Services like:
 - Visual Stress Analyzer ➤ Automated Polygraph with Eye Detect
 - Neuroscript (Handwriting Analysis) ➤ Layered Voice Analysis with Emotional Diamond
- In addition to for solving criminal investigation cases: -
 - Suspect Detection System ➤ Brain Electrical Oscillation Signature Profiling
 - Traditional Polygraph

Activities undertaken during the FY 2022-23:

Training Conducted by CIFP Staff Members: -

- On Dt. 21st March to 23rd March 2022, Delegates from MD Forensic Medicine field from Ethiopia visited School of Forensic Psychology. The training session was guided by Dr. Priyanka Kacker, Senior Asst. Prof., School of Forensic Psychology. She demonstrated on Brain Electrical Oscillation Signature Profiling & its importance in Forensic Psychology Investigation and various other aspects of investigating domain.
- On Dt. 13th April 2022, Chief of Army Staff, General M.M. Naravane, PVSM, AVSM, SM, VSM, ADC visited the School of Forensic Psychology for exploring and understanding the tools and techniques used in Forensic Psychological Investigation. The visit was guided by Dr. Priyanka Kacker, Senior Asst. Professor, School of Forensic Psychology. She explained BEOS, LVA, & SDS and importance in screening as well as border security purposes.
- On the 29th of August 2022 to the 9th of September 2022, a two-week training session for IPS officers was held, during which a demonstration + lecture was given to each batch about the various Investigative Psychological Techniques and Methods that are used in Crime Investigation, as well as practical exposure to Brain Electrical Oscillation Signature Profiling (BEOS), Layered Voice Analysis (LVA), and Suspect Detection.



Visit of IPS Officers for BEOS Training at CIFP, NFSU, Gandhinagar

On Dt. 11th Oct 2022, Prof. Dr. C.R. Mukundan delivered an expert lecture session on Brain Electrical Oscillation Signature & its futuristic approach in Psychological Investigation. Students from the School of Forensic Psychology attended the session. The event was organized by Dr. Priyanka Kacker, Senior Asst. Prof., School of Forensic Psychology.



Expert talk by Prof. (Dr.) C.R. Mukundan at CIFP, NFSU, Gandhinagar

On 23rd Dec 2022, a training session was conducted on "Micro Expressions" with the students of School of Forensic Psychology. The training session was conducted by Mr. Mahesh Parmar from SSBI.



Virtual Training on Micro Expressions For SFP Students at CIFP, NFSU, Gandhinagar

On 12th Jan 2023, an expert lecture training session was conducted on "Forensic Psychological Interview Technique & Preventive Measures for Cyber Crime" with Tanzanian Police delegates. The session was conducted by Mr. Pravesh Charan Isai, Scientific Asst. at the Centre of Excellence in Investigative & Forensic Psychology.



Expert Talk on Cyber Crime Prevention for Tanzanian Police Delegates at NFSU, Gandhinagar

- On Dt. 30th Jan 2023, A training session was conducted on various set of instruments used in Forensic Psychology Investigation method with Department of Psychology students of KETs V.G. Vaze College of Arts, Science & Commerce (Autonomous), Mulund, Mumbai. The session was conducted by Mr. Pravesh Charan Isai, Scientific Assistant, CIPF.
- On Dt. 7th Feb to 2nd March 2023, Forensic Professional from Karnataka FSLs name MANASA D., Scientifics Officer (KFSL) got an in-hand training exposure in tools used in Forensic Psychology Investigation like SDS, LVA, Polygraph, BEOS, VSA & Eye Tracking. The training was conducted by Mrs. Deepali Wankhade, JSO, CIPF, & Mr. Pravesh Charan Isai, Scientific Asst. CIPF, NFSU.



Training conducted for Scientific officer from Karnataka Forensic Science Laboratory: Psychology Division, India at CIPF, NFSU, Gandhinagar

- On Dt. 21st March 2023 to 29th March 2023, a hand on training programs was conducted by the CIPF staff members on **Polygraph & BEOS** for "Crime Scene Officers" from Karnataka FSL. The intent of this training program was to make them aware how forensic psychological investigation is important in terms investigating a crime scene.



Training Conducted for Crime Scene Officers from KFSL, India at CIFP, NFSU, Gandhinagar

- Students from Multimedia Forensics, Semester -2, School of Forensic Science had a one day demo session on Micro Expressions & Layered Voice Analysis. The session was taken by Mr. Pravesh Charan Isai, Scientific Asst. on "Micro Expressions" & Mrs. Deepali Wankhade, Junior Scientific Officer on Layered Voice Analysis.



Visit of Multimedia Forensics Students at CIFP on Micro Expression & LVA at CIFP, NFSU, Gandhinagar

Visit by VIPs/Delegations/Guests etc:

- On Dt. 1st June 2022, 200 Educational Ministers, Principle Secretary & Additional Chief Secretary visited School of Forensic Psychology, BEOS Lab, NFSU for getting the exposure of tools like BEOS, LVA, Polygraph, SDS & Eye Tracker etc. The visit was conducted by Dr. Priyanka Kacker, Senior Asst. Professor, SFP.



Visit of Educational Minister, Principle Secretary & Chief Additional Secretary at BEOS Lab, NFSU, Gandhinagar

- On Dt. 10th Aug 2022, visit of Chief of the staff, Air Chief Marshal VR Chaudhari PVSM AVSM VM ADC visited CIFP in order to explore the tools that can be used for —Border Security Purpose□ like SDS, Polygraph etc. The visit was conducted by Dr. Priyanka Kacker, Sr. Asst. Prof., School of Forensic Psychology.

- An overview of the Forensic Investigative Psychological Techniques, including Brain Electrical Oscillations Signature Profiling (BEOS), Polygraph, Suspect Detection System (SDS), Eye Detect System (EDS), Layered Voice Analysis (LVA), Neuroscript, Visual Stress Analyzer, Layered Voice Analysis with Emotional Diamond, Eye tracker +, and iMotion, was provided to National and Foreign Delegates, including the Chief Naval Officer on Dt.15th July 2022, CBI officers on Dt. 29th Aug 2022 , Delegates from Nepal on Dt. 7th Sept2022.



Visit of Chief Naval Officer at BEOS Lab, NFSU, Gandhinagar

- On Dt. 2nd Sept. 2022 A one-day visit was organized for Gujarat University students, who were given a lecture as well as a brief introduction to various Investigative Psychological Techniques such as Brain Electrical Oscillations Signature Profiling (BEOS), Polygraph, Suspect Detection System (SDS), Eye Detect System (EDS), and Layered Voice Analysis (LVA).
- On 12th Sept 2022 Ajmer and Parul University law students visited the lab and were introduced to various Investigative Psychological Tools Techniques that can be used in crime investigation, screening, and research, among other things.
- On 10th Sept 2022 Dental college students, Gujarat University visited the lab and were introduced to various Investigative Psychological Tools Techniques that can be used in crime investigation, screening, and research, among other things.



Visit of Dental college students, Gujarat University at CIFP, NFSU, Gandhinagar

- On 15th Sept 2022 50 Students from Karnavati University visited the BEOS lab and were introduced to various Investigative Psychological Tools Techniques that can be used in crime investigation, screening, and research, among other things.
- 27th Sept 2022 49 Students from D.A.V. International School, Ahmedabad visited the BEOS lab and were introduced to various Investigative Psychological Tools Techniques that can be used in crime investigation, screening, and research, among other things.
- On Dt. 7th Sept. 2022 Police Superintendent Mr. Himanshu from Tihar Jail visited the Centre of Excellence and the Brain Electrical Oscillation Signature Profiling (BEOS) lab, where he was introduced to various Investigative Psychological Tools Techniques that can be useful in Juvenile and Adult Offenders Research. He expressed a strong desire to collaborate on research projects centred on Rehabilitation and Reintegration Programs for Prison Inmates.
- Shri. Vivek Gogia (IPS) Director, National Crime Record Bureau (NCRB), Delhi visited the National Forensic Sciences University (NFSU), Gandhinagar on 8th September, 2022. Prof. (Dr.) Purvi Pokhariyal, Campus Director - NFSU, Gandhinagar, Shri. C.D Jadeja, Executive Registrar, NFSU, Prof. (Dr.) Naveen Kumar Chaudhary, Director (International Relations), NFSU and Air Commodore K.R. Thaakar, Dean, School of Police Science & Security Studies welcomed and briefed him about the various activities of this unique and highly specialized University. Shri Vivek Gogia (IPS) was accompanied by Shri. Dipak M Damor (IPS) Joint Director, NCRB, Delhi and Dr. Prashun Gupta (IPS) Deputy Director, NCRB, Delhi.
- On 9th Sept. 2022 Mohd. Yusuf Ali, an IPS officer from Hyderabad, expressed an interest in Brain Electrical Oscillation Signature Profiling (BEOS), Polygraph, and Suspect Detection System (SDS) and was willing to provide cases for investigation.
- On Dt. 21st Oct 2022, Delegates from Rwanda conducted by the Hon'ble Minister of Defence at NFSU visited our BEOS Lab & CIFP for understanding & exploring different tools and techniques used in Psychological Investigation & Police Interrogation. The visit was taken care of by Dr. Priyanka Kacker, Sr. Asst. Prof., School of Forensic Psychology. The tools she covered were BEOS, LVA – Emotional Diamond, Suspect Detection System, Polygraph, Handwriting Analysis, VSA, Micro Expressions, Eye Tracker + etc.



Visit of Indian Army Delegates & Rwanda Police at CIFP, NFSU, Gandhinagar

- On Dt. 21st Nov 2022, Himachal Pradesh Police Mr. Sanjay Kundu, IPS, Director General of Police visited CIFP for exploring and understanding various tool & techniques used in Forensic Psychological Investigation. The purpose of the visit was to understand & procure tools like SDS, LVA, VSA, Polygraph etc. for police interrogation purposes. The visit was conducted by Dr. Priyanka Kacker, Senior Asst. Prof., SFP.



Visit of IPS, DGP Himachal Pradesh Police at CIFP, NFSU, Gandhinagar

- On Dt. 17th Dec 2022, Rajasthan Police Probationers completed training on "Advanced Methods of Scientific Investigation". After that 35 police officials visited CIFP for the exposure of all the tools & techniques used in forensic psychological investigation setup & how it can be used in Interrogation tools & techniques. The visit was conducted by Mr. Pravesh Charan Isai, Scientific Asst. CIFP.
- On Dt. 19th Dec 2022, 30 Chief Vigilance Officers (CVOs) of India visited our CIFP in order to explore the technologies used in forensic psychological investigation & its evidential value in the courtroom scenario.
- On Dt. 2nd Jan 2023, a delegation of "BHARTIYA JANATA YUVA MORCHA" visited NFSU & our Centre of Excellence in Investigative & Forensic Psychology which was conducted by Dr. Priyanka Kacker, Sr. Asst. Prof., School of Forensic Psychology. The visit was all about exploring all the tools & techniques used in Investigative & Forensic Psychology and its futuristic approach in Criminal Justice System.



BHARTIYA JANTA YUVA MORCHA Visit at CIFP, NFSU, Gandhinagar

- On Dt. 9th Jan 2023, Delegates from Tanzania & Maldives Police officials visited CIFP for exploring tools which is being procured & it's usage in Interrogation purpose as well as Forensic Psychological Investigation.
- On Dt. 10th Jan 2023, Students from Mulund College of Commerce (Dept. of Law) visited CIFP to explore the tools used in Forensic Psychology Investigation. The session was conducted by Mr. Pravesh Charan Isai, Scientific Asst., CIFP on tools like VSA, Micro Expressions, LVA-Emotional Diamond, Eye Tracker+, Handwriting Analysis, BEOS, SDS etc. The purpose of the session was to brief them about the importance of all these techniques in psychological investigation in various different types of cases.



Visit of students from Mulund College, Mumbai at CIFP, NFSU, Gandhinagar

- On 12th Jan 2023, Delegations from Suriname Mr. Chandrikapersad Santokhi (President) & Mr. Albert R. Ramdin (Foreign Minister of Suriname) & Dr. S. Balchandran, Ambassador of India to Suriname visited our Centre of Excellence in Investigative & Forensic Psychology to explore the tools & techniques that are been used in Forensic Psychological Setup. The visit was conducted by Dr. J.M. Vyas, Hon'ble Vice Chancellor of NFSU & Dr. Priyanka Kacker, Associate Prof., School of Forensic Psychology.
- On Dt. 19th Jan 2023, a one day visit was scheduled for State Crime Record Bureau (SCRB) officers of Gujarat Police for making them explore the tools used for forensic psychology investigation & also its usage in police interrogation purposes.
- On Dt. 20th Jan 2023, Delegates from "The Academy of Forensic Medical Sciences, London-UK" visited CIFP in order to explore the tools & techniques used in Forensic Psychological Investigation purposes.
- On Dt. 20th Jan 2023, Students from Suryoday Arts and Commerce College Dhanera, Patan visited CIFP exploring tools that are used in Forensic Psychology Investigation.



Visit of students from Suryodax arts and commerce college, Dhanera. Patan at CIFP, NFSU, Gandhinagar

- On Dt. 23rd Jan 2023, Delegate from Nebraska Dr. William Belcher & Dr. LuAnn Wandsnider visited CIFP for exploring the newly procured tools in investigative psychology setup as well as in BEOS lab for exploring it's usage in investigative setup & its evidential value. The visit was conducted by Mrs. Deepali Wankhade, JSO & Mr. Pravesh Charan Isai, Scientific Asst., CIFP Staff members. The aim of the visit was to give an overview of all the tools & techniques used psychological investigation & its academics research approach as well.

- On Dt. 27th Jan 2023, a mock drill session was conducted with CBI officials; the session was conducted by Dr. Priyanka Kacker, As sociate Professor; School of Forensic Psychology. She briefed about the importance of forensic psychological investigation in police investigation & usage of various tools that can also be used in police interrogation approach as well.
- On Dt. 28th Jan 2023, a delegation of INTERPOL Young Global Police Leaders comprising of 68 police officers from 44 countries visited Centre of Excellence in Investigative & Forensic Psychology for exploring the tools & technique used in investigative psychology domain & its usage in Interrogation purpose. The visit was conducted by Dr. Priyanka Kacker, Associate Professor; School of Forensic Psychology & Mr. Pravesh Charan Isai, Scientific Assistant, CIPF.



Visit of Foreign and Indian Delegates from INTERPOL at CIPF, NFSU, Gandhinagar

- On Dt. 1st Feb and 2nd Feb India's first ever "Forensic Hackathon" was organized by NFSU, Gandhinagar Campus. Delegates from all over India & around the globe participated in this event & explored different labs.
- On Dt. 2nd to 4th Feb 2023, a 3day "25th All India Forensic Science Conference" was commenced by NHRC Chairperson Shri Justice Arun Kr. Mishra at NFSU, Gandhinagar. Delegates from various countries visited CIPF for exploring tools and techniques used in Investigative Psychological domain & its evidential value used in courtroom scenario. The visit was conducted by Dr. Priyanka Kakcer, Associate Prof. School of Behavioural Forensics. The purpose of the visit was to explore the tools procured by CIPF like VSA, Eye Tracker +, Micro Expressions, Handwriting Analysis, LVA-Emotional Diamond etc.



Visit of BPR&D Officials on the Occasion of 25th AIFSC Conference at CIPF, NFSU, Gandhinagar

25th AIFSC: Visit of NHRC Chairperson at CIPF, NFSU, Gandhinagar

- On Dt. 5th Feb & 6th Feb 2023, School of Behavioural Forensics, NFSU hosted a 2 day –International Conclave on Futuristic Approach of Forensic Psychology in Business Intelligence & Entrepreneurship. This conclave aims to bring professionals, companies, Govt. officials, Industrialists, technocrats, Academicians & students altogether to make a the future safe in the Private & Public Organizations. Experts from America, Israel, and Spain are also present in this conclave also with professionals' form Academia, Cyber Security, Govt. & Private Organizations. This conclave was a novel amalgamation of demonstration & lectures that make collaborative efforts to fill the Gap of Forensic Psychology in Business Intelligence & Entrepreneurship.



Interactive Session of Foreign Delegates from Inrobics (Spain) on Virtual Rehab at CIFP, NFSU, Gandhinagar

- Delegates from 19 different countries participated in a training programme on "Advanced Methods of Crime Investigations" Dt. 6th Feb 2023 to Dt. 17th Feb 2023 under the ITEC Scheme of MEA, GOI. They also visited our CIFP for exploring the tools & techniques used in Forensic Psychological Investigation & its evidential value prospects in the court of law.
- On Dt. 04th Feb 2023 Visit of students and faculty Dr Reena SP (HOD), Dept. of Forensic Science, Jain University, Bangalore visited CIFP for understanding & exploring the tools & techniques used in investigative psychological approach.



Visit of students from Jain University, Bangalore at CIFP, NFSU, Gandhinagar

- On Dt. 04th Feb 2023 Visit of students and faculties of Sandeep University, Nashik, Maharashtra visited CIFP for understanding & exploring the tools & techniques used in investigative psychological approach and its application towards Criminal Justice System.



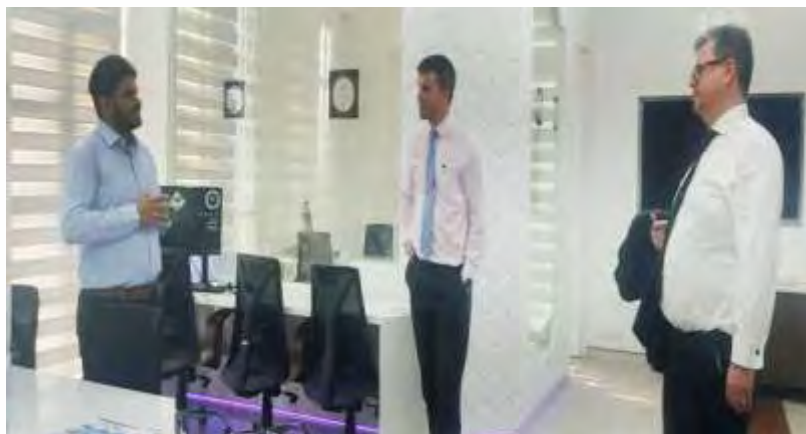
Visit of students from Sandeep University, Nashik, Maharashtra at CIFP, NFSU, Gandhinagar

- On Dt. 10th Feb 2023, Mr. Tatlom Jayeng, ABVP Executive member from North East region visited CIFP to understand the field of forensic psychology and its future prospects in the field of Academics and Research.
- On Dt. 15th Feb 2023, Dr. Sangita Chaudhary, DYPU, Navi Mumbai visited CIFP for understanding & exploring the tools & techniques used in investigative psychological approach.
- On Dt. 16th Feb 2023, Jaswant Singh, Jammu Kashmir Police visited CIFP for understanding the tools and technique used in Forensic Psychological Investigation setup & also its purpose in Interrogating setup for police officials investigation as well.
- Dt. 21st Feb 2023, P.K. Srivastava from CVC & their team members visited CIFP for exploring the working insight & nature how the Forensic Psychologists work & what types of cases can be investigated w.r.t. the instruments that are been used in our centre.
- On Dt. 23rd Feb 2023, Prof. Chirag. N. Patel & Prof. Anand A. Sutaniya visited CIFP for exploring the tools & techniques used in Investigative Psychology & its approach in the field of research prospects as well.
- On Dt. 24th Feb 2023, "Major General Gurpreet Singh" visited our Centre of Excellence in Investigative & Forensic Psychology for understanding the tools & techniques used in Investigative psychology and also its implementation in Border security purpose. The tools that he & his team explored were BEOS, SDS, LVA, Neuroscript, VSA, iMotions & Eye Tracker +.



Visit by Army Officer at CIFP, NFSU, Gandhinagar

- On Dt. 27th & 28th Feb 2023, 200 students from Govt. of Law College in Ahmedabad, visited NFSU for exploring different labs & its working nature in Forensic Investigation. They also visited CIPF where they explore tools like LVA, SDS, BEOS, Eye Tracker +, iMotions, VSA, Neuroscript etc. The importance of the visit was to understand how these tools & techniques can be useful in opinion with the court of law.
- On Dt. 3rd March 2023 Faculties from Jindal Institute of Behavioural Sciences named Dr. Vipin Vijay Nair & Dr. Pulkit visited our CIPF for understanding the tools & techniques used in investigative psychology domain the tools that they explored were LVA, SDS, BEOS, Eye Tracker +, iMotions, VSA, Neuroscript etc. Also, on the same day Dr. Vivekanand Tripathi, faculty from University of Allahabad, visited our centre for exploring & understanding the tools & its prospects in Academics. There was another visit Mr. Ashok Kumar Retired IPS officer, visited our centres for exploring the tools and techniques for Police Interrogation prospects. All these visits were conducted by the staff members of CIPF Mrs. Deepali Wankhede, Jr. Scientific Officer, & Mr. Pravesh Charan Scientific Asst.
- On Dt. 7th March 2023, Inspector General, National Investigation Agency (NIA) visited our centre for understanding the tools & technique. It's usage in forensic investigation and how these tools can also be used in screening purposes as well. Tools like SDS, LVA, BEOS, iMotions, & Eye Tracker+ were quite interesting according to him. The visit was conducted by Mrs. Deepali Wankhede, JSO, CIPF.
- On Dt. 9th March 2023, Devenal Capps, Dean School of Law, Leeds Beckett University visited our CIPF for understanding & exploring tools & techniques used in investigative psychology also it's evidential in court of law. The visit was conducted by Mrs. Deepali Wankhede, JSO, CIPF.



Visit of Foreign Delegate Mr. Devenal Capps, Dean School of law, Leeds Beckett University at CIPF, NFSU, Gandhinagar

- On Dt. 13th March 2023, 50 Crime Scene officers visited our CIPF & BEOS Lab to have an exposure of various tools and techniques used in Forensic Psychological Investigative approach & its importance in Crime Scene Analysis.
- On Dt. 14th March 2023, A 19 Member team of Defence College at New Delhi, comprising senior officers from Indian Army, Air Force & friendly foreign countries visited CIPF, NFSU, Gandhinagar Campus. The importance of the visit was how these newly developed investigative techniques can be used in National importance. The visit was conducted by Dr. Priyanka Kacker, Associate Prof., School of Behavioural Forensics. The purpose of the visit was to give them the exposure of various technologies used in psychological investigation & border security forces.



Visit of Indian Delegates from Defence College, Indian Army & Air Force, New Delhi at CIFP, NFSU, Gandhinagar

- On Dt. 16th March 2023, Mr. Vijay, Supreme Court Judge, visited CIFP for exploring and understanding the tools and techniques used in investigative psychological approach and its evidential value used in court of law.
- On Dt. 17th March 2023, Student visit from the Dept. of Animation, IT-IMS & Mobile Application, Gujarat University, by Roshni Vyas. The visit was all about understanding the tools and techniques used in Forensic Psychological Investigation & how A.I. can play a vital role in investigations.



Visit of Students from Dept. of Animation, Gujarat University at CIFP, NFSU, Gandhinagar

- On Dt. 24th March 2023, Shri Vikas Sahay, DG of Police, Gujarat State visited NFSU and had conducted discussions on the role of Forensic Investigation using different tools and techniques. He also visited CIFP for exploring various tools like VSA, LVA, and Polygraph that can also be used by the police officials for their interrogation purpose. The afterwards, students from NIRMA University, Institute of Technology, School of Technology, Dept. of CS & Engineering visit was there. The purpose of the visit was to explore and understand the tools used in Forensic Psychological Investigation collaborating with Cybercrime prospects.
- On Dt. 27th & 28th March 2023, Delegates from Kazakhstan visited our CIFP for exploring tools and techniques used in Forensic Psychological Investigation. The visit was conducted by Dr. Priyanka Kacker, Associate Dean, SBF & Centre Head, CIFP. The aim of the visit was to give them an exposure regarding how tools like SDS, LVA, Eye Tracker +, VSA etc. can be widely used in Police interrogation approach.



Visit of Foreign Delegates from Kazakhstan at CIFP, NFSU, Gandhinagar

- On Dt. 31st March 2023, Psychology students from United World School of Liberal Arts & Mass Communication, Karnavati University visited our CIFP for exploring the tools and technique widely used in psychological investigation. The intent of the visit was to brief them about the importance of psychological investigation by giving them an exposure of newly procured systems like LVA, VSA, Micro Expressions, Eye Tracker + & Handwriting Analysis. The visit was conducted by Mrs. Deepali Wankhade, JSO & Mr. Pravesh Charan Isai, Scientific Asst.
- On Dt. 5th April 2023, Students from Pandit Deendayal Energy University (PDEU) from Psychology Dept. visited our centre for exploring different tools and techniques used in Forensic Psychology Investigation the tools that were being explained were LVA-ED, VSA, Neuroscript, VSA, Micro expressions & APED etc.



Visit of Students from Dept. of Psychology, PDEU at CIFP, NFSU, Gandhinagar

- On Dt. 7th April 2023, Dr. Satheesh Reddy, Scientific Advisor to Raksha Mantri, GOI, visited NFSU & different centres, he also visited CoE IFP for understanding and exploring different tools and techniques used in Forensic Psychological Investigation. The visit was conducted by Dr. Priyanka Kacker, Associate Professor, Associate Dean, School of Behavioural Forensics & Centre Head of CoE IFP, NFSU.
- On Dt. 18th Apr 2023, Students from Pandit Deendayal Energy University (PDEU) from Psychology Dept. visited our centre for exploring different tools and techniques used in Forensic Psychology Investigation the tools that were being explained were LVA-ED, VSA, Neuroscript, VSA, Micro expressions & APED etc. The intent of the visit was to give them a quality explanation of each system from an academic & research point of view.
- On Dt. 24th Apr. 2023, Delegates from Vivekananda Institute of Professional Studies-Technical Campus (VIPS-TC), New Delhi, visited CIFP, NFSU for understanding and exploring the tools and techniques in forensic psychological investigation. The aim of the visit was to co-relate A.I. & Forensic Psychological Investigation into the legal prospects. The visit was conducted by Dr. Priyanka Kacker, Centre Head, CIPF, NFSU. She briefs them about the tools like BEOS, LVA, Neuroscript, VSA, iMotions, Eye Tracker + etc. The aim of the visit was to give them the exposure A.I. can be useful in Psychological Investigation as well.



Visit of Indian Delegates from VIPS – TC, New Delhi at CIFP, NFSU, Gandhinagar

- On Dt. 28th Apr 2023, 28 students & 4 faculties from Govt. MCA College, visited CIFP. The purpose of the visit was to explore & understand the tools used in Forensic Psychology Investigation and its A.I. can play a vital role in psychological investigation.



Visit of students from Govt. MCA College at CIFP, NFSU, Gandhinagar

ACB Cases Undertaken:

A previously existing **Anti-Corruption Bureau (ACB)** audio-video set-up in December 2017 was undertaken by the CoEIFP; from July 2022, a total of **34 ACB cases** from various districts of Gujarat have been recorded and the relevant Case CDs have been submitted to the Hon'ble court.

Motive to initiate cases, consultancy etc:

We're the only Government recognised institution to provide Forensic Psychological Investigation services. Psychological autopsy employing Advanced Handwriting examination tool for psychological and behavioural examination of the departed mind, which has never been done before in India. Criminal profiling can be used in a variety of investigative instances to help prevent crime. Services are provided by trained domain experts. Opinion based on Scientific Applications Scientific Based non-invasive techniques identifying the Behavioural patterns of Suspects/Victims/Witnesses.

Comprehend the practical facets of the investigation.

Details about the Manual: CIPF

The Handbook of Centre of Excellence in Investigative & Forensic Psychology is a specialised manual that focuses on providing in-depth knowledge of investigations using highly advanced psychological investigative tools, such as the Polygraph with Eye Detect+, Layered Voice Analysis-Emotional Diamond, Handwriting Analysis, Micro Expression Analysis, Virtual Reality, Camera 360, Suspect Detection System, Audio Video Forensic Interview System, and Brain Electrical Oscillation Signature Profiling. The handbook also includes professional case investigation interview guides for criminal profiling and psychological autopsies. Include a description of the crucial component of correctional services known as forensic rehabilitation and correctional recovery, which includes restitution for victims and a regime for offenders.

Student's research activities undergoing at CIPF:-

- Personality profiling through NEURO-SCRIPT with English and Hindi language.
- Detecting Deception through decoding micro expressions: a collaborative study between Affdex and BEOS.
- Remembrance: a study in virtual reality using BEOS and eye tracking.
- Analysing the impact of different known languages in generation of Experiential Knowledge.
- Understanding dating relationships using Eye detect.
- Comparison of Interference and Cognitive Load in False memory Creation.
- Childhood Emotional Abuse and its Impact on Adults: An Understanding Using LVA and BEOS.
- Significance of visual impairment in changing the EK.
- Administration of BEOS post Cognitive Interview.
- Handwriting Characteristics during expression of emotions and Remembrance using Neuro Signature Profiling.
- Neuro signature Profiling of Events Related to Consumption and Non Consumption of Alcohol.
- A study to understand the impact of disguise on eyewitness identification decisions and confidence using BEOS.
- Eye Witness Testimony using Eye Tracker +
- An Experimental Study Comparing Virtual Reality Experience and Real Experience Using Brain Electrical Oscillation Signature Profiling (BEOS).
- Detection Emotions using Micro- expression and LVA.
- Understanding Different Emotions through Handwriting and Micro expressions Analysis.
- An Experimental study on Aggression and Personality using SDS.

Centre for Happiness and Well-being

About the Centre:

The Centre for Happiness and Well-being (CHWB) is a mental healthcare functionary under the aegis of the National Forensic Sciences University (NFSU), an Institute of National Importance (INI) under the Ministry of Home Affairs, Government of India, and is in the School of Behavioural Forensics, NFSU, Gandhinagar Campus. With the aim of enhancing psychosocial well-being, support, and resilience through promotion of positive mental health and well-being for all, CHWB extends its support to state and national child protection functionaries and other judiciaries by way of essential psychological assessments; therapeutic work; and psychosocial and mental health care services to the stakeholders.

CHWB is a state-of-the-art Centre, one of its kind in the country specially curated to assist mental health problems of children, young adults, groups, couples, and families through psychological and neurocognitive interventions. The Centre is focused on scientist-practitioner model, with the primary aim being preventive and curative aspects of mental health.

Facilities available at the Centre:

Assessments: IQ Assessment, Personality Assessment, Neuropsychological Assessments, Career & Interests, Forensic Assessments, Learning Disabilities, Clinical Assessments for psychiatric disorders, Projective Testing, Behavioural Rating Scales, Stress assessments.

Counselling Services for mild/sub-clinical syndromes.

Psychotherapy for intensive care and management of various psychiatric/ mental health conditions.

Electrophysiological Services: EEG/ERP: 128 and 64 Channel Brain Products EEG/ERP System, f-NIRS etc.

Activities undertaken during the FY 2022-23:

Inauguration:

Centre for Happiness and Well-Being" was inaugurated and dedicated to the nation by Hon'ble Justice Ms. Sonia Gokani at National Forensic Sciences University (NFSU), Gandhinagar on 9th October 2022.

Memorandum of Understanding (MoU) was signed between Central University of Gujarat and National Forensic Sciences University. MoU also exchanged between Prof Rama Shankar Dubey, VC-CUG & Dr J.M. Vyas, VC-NFSU.



The Chief Guest of the Inaugural Ceremony was Hon'ble Justice Ms Sonia Gokani, High Court of Gujarat. She addressed the gathering. Prof. (Dr.) Shekhar Seshadri, Chair Professor, School of Behavioural Science gave the keynote address and Inaugural Address was delivered by Dr. J.M. Vyas, Vice-Chancellor, NFSU. Prof. (Dr.) Purvi Pokhariyal, Campus Director gave the welcome address and Dr. Beulah Shekhar, Dean, SBS, NFSU gave vote of thanks. Shri C.D. Jadeja, Executive Registrar, NFSU felicitated all the dignitaries on the dais. Eminent Psychiatrists, Psychologists, Counsellors, and Mental Health Professionals from across the country attended the event in large number. It was followed by capacity building program for counsellors. During the Inauguration Ceremony, Prof. (Dr.) Naveen Kumar Chaudhary, Campus Director, NFSU-Goa; Deans and Associate Deans, faculty members and students were present.

Photographs of the Inaugural event:



Consultancies:

Consultancy Services provided presently to **3 sectors**:

District Child Protection Unit (DCPU) Gandhinagar (Sector 19) [under the Gujarat State Commission for Protection of Child Rights]: Children in Conflict with Law and Children in Need of Care and Protection.

High Courts: Divorce Cases, Medico-legal cases.

Private/ Walk-in Referrals: Assessments and psychotherapy for vast mental health problems ranging from quantitative and qualitative assessments, Symptom profiling, Psychotherapy for mental illness.

Activities:

- **National Conference on- Mental Health and Well-being for all**

A 2-day National Conference on 'Mental Health & Well-Being for All - A Global Priority' was also inaugurated by Hon'ble Justice Ms. Sonia Gokani, High Court of Gujarat in the distinguished presence of Prof. (Dr.) Rama Shankar Dubey, Vice-Chancellor, Central University of Gujarat (CUG), Gandhinagar and Dr. J.M. Vyas, Vice Chancellor, National Forensic Sciences University (NFSU).

- **Brain Awareness Week- Tantrika**

Brain Awareness Week (BAW) is celebrated annually in the third week of March with a global vision. The week aims to foster public enthusiasm and support for brain science. Looking into this, the Centre for Happiness & Wellbeing(CHWB) at SBF, NFSU -Gandhinagar envisaged two days event i.e. on 15th & 16th March, 2023 with a theme —How to Rewire Your Brain? Unique Window to Neurorehabilitation. In the current interdisciplinary era varied approaches have evolved which account for unravelling the intricate brain networks harbouring the human mind/behaviour. Now, brain research has already reflected on many areas, including technology, ethics, philosophy, computer science, management studies, the treatment of mental illness, reasoning, creativity and more generally, social life interactions. However, when we investigate re-structuring of brain networks whether as a developing child or a child-

in-conflict with law or even a brain-damaged patient, limited insight is available to endorse into. Moreover, climbing the ladder of developmental neuroscience, adolescent brain and an adult brain might require altogether a different approach or different pathways to bring out significant contributions in brain maturation and model behaviour. Further, in current decade's development of brain imaging non-invasive techniques noticeably viz., EEG/ERP, f-MRI, f-NIRS, NFB, TMS etc. Along with other clinical neuroscience approaches accounts towards significant aspects of human cognition. However, methodological limitations, subjectivity, differences in brain developmental process, socialization, often put forth challenges which need immediate attention and plausible solutions.



- **Online awareness session on "Mental Health & Well-being in Schools: Need for - Identification and management of behavioural issues in classroom"**

The Centre for Happiness and Well-being organized an online awareness session on "Mental-Health and Well-being in Schools: Identification and Management of Behavioural Issues in Classroom". Dr. Shekhar Seshadri was the key resource person of the event. With an elaboration on Internalizing and Externalizing behaviour shown by children he discussed the Nirbhaya case; a 17-year-old perpetrator on how his circumstances, family and adverse childhood experience can affect the actions of the child was pondered on.

The intricacies of the Juvenile Justice Act, [CHILDREN IN CONFLICT WITH LAW \(CICL\)](#) and Children in Need of Care and Protection (CNCP) were seen through the developmental lens.

Moving on he discussed how school is a safe space for the child despite the context they come from. Prof. (Dr.) Shekhar used various personal and public case examples to highlight the importance of the educational space not only for mental illness but general mental well-being and development of a child. School as an inclusive space for children with special needs and how the school can help them. Example: Resource room in schools for high-functioning children with ADHD or Autism Adding to that the impact of a student-teacher relationship and it's the therapeutic value it has on the child was discussed.

He emphasized on the difference between School counsellors (Emotional and Psychological) and Special Educators (Behavioural or Occupational) and the importance of qualified individuals in these spaces.

On the topic of the Indian education system and the system of examination, Dr Seshadri discussed the importance of focusing on the process and effort rather than results and success. Education should be about building an egalitarian person. With the number of mental health issues increasing in educational institutes the question of why Institutes don't have ICC (Internal Complaints Committee) was elaborated upon. As a nation, our focus should be on creating and training professionals for first-level responses to stress to mitigate the causes and prevent it from escalating in these settings.

The institutions in India have a hierarchy which creates an elitist culture of only accepting academics bright and creating a non-inclusive setup. A democratic and egalitarian way to work around all this is the need of the hour. Idea is to learn from each other from levels. E.g., High achieving students to learn giving and special needs students learning adaptability. Further the ideologies of society, relationships and why it is not taught in the teacher training program were explored. NEP and its new ways of incorporating the non-subject related excluding classroom pedagogy were seen.

Lastly, on issues of moral development, the overly critical way of conscientize children and that as a cause of the conflict was explained. Dr Seshadri emphasized the importance of understanding the cause of the behaviour rather than an attempt to control it. The importance of responsive and active parenting.



Visit by VIPs/Delegations/Guests etc.

- Bhartiya Janata Yuva Morcha- 02/02/2023
- Dr Jeevan Thiagarajah- Sri Lanka & Karnataka delegation visited the Centre on 12th January 2023 and discussed about further opportunities to collaborate with regards to Autism research.
- Delegates participating in the Forensic Hackathon during AIFSC 2023 (1-4 Feb 2023)
- Visit of Major General Gurpreet Singh, SM VSM on 24th Feb 2023
- Justice Anand Pathak (Madhya Pradesh high Court) Visited Centre on 04/02/2023 and interacted with faculty members regarding the importance of mental healthcare centres in the country.
- Visit of Kazakhstan Delegation on 27th and 28th March 2023.
- NCPCR Chairperson- Priyank Kanoongo 18/04/2023



Centre for Futuristic Defence Studies

About the Centre for Futuristic Defence Studies:

Moto: "Train to Research" – "Research to Develop"

Aim: To train students for mission Mode R&D through application of knowledge.

Vision: "To be the most Acclaimed and Acknowledged Centre for Defence Knowledge and R&D"

Challenge: "Develop Technology, not Capability". The envisaged challenges are:

- (a) Ability to get visionary leadership which includes appreciation of the environment, ability to crystal gaze, lead teams to perform project management and deliver on tasks
- (b) Ability to get appropriate manpower under the visionary leadership.
- (c) Capacity to develop appropriate infrastructure including technology.
- (d) Capacity to raise fund through various means
- (e) Achieve so much user satisfaction that CFDS becomes a default choice of Industry and government agencies for projects, technology and knowledge repository with qualified faculties, students and support from industry.
- (f) Make CFDS as center for excellence where faculties and students vie to be the part of NFSU.

Objectives: The objectives of CFDS would be to:

- (a) Encourage and guide students to excel through application of knowledge and research.
- (b) Encourage students and guide for Doctoral and post-doctoral studies by helping them to identify & exploit their core strengths, domain knowledge & skills. Prioritize research in uncommon but futuristic concepts and projects.
- (c) Encourage students to venture into new and unknown territories and not be afraid of failures. Encourage 'Fail Fast if need be but don't be afraid of trying'.
- (d) Promote inter disciplinary synergy between IFS, IBS and IMT for Mission Mode Projects. Strongly support interdisciplinary approach to research and for execution of projects.
- (e) Interface actively with the Military and the Defence industry to understand their problems and bring out relevant problem statements.
- (f) Encourage independent as well as collaborative R&D, through close interaction between academicians, research scholars, users and the industry to evolve practical & realistic solutions for the military and industry.
- (g) Collaborate with other Centres of excellence, users and industry to build up expertise and knowledge base.
- (h) Emphasise on development of core Technology and not only capability.
- (j) Carry out fundamental as well as applied research in critical areas
- (k) Be a financially self-sustaining Centre with plan to break even quickly. The revenue generation would be through academic training programs, private & public projects consultancy, government funding or grants and donations etc.

Functions : In keeping with the Moto, CFDS would engage in training and Research & Development. These functions would be undertaken as follows:

Training: Training would be in following domains:

- (i) Cyber Security
- (ii) Electronic Warfare
- (iii) Drone, Anti-Drone and Drone Forensic.
- (iv) Role of Psychology in Armed forces selection, training and management.
- (ii) Home Land Security.

R&D: Research and Development would:

- (i) Develop new concepts and architecture for a strong Cyber security base for protection of armed forces as well as industries.
- (ii) Develop psychological tools for Aircrew Health Monitoring System.
- (iii) Develop AI tools for use in Operations and Intelligence network.
- (iv) Develop strong AI in lesser explored field of Electronic warfare.
- (v) Work on technology for Passive Radar and Ground Penetration Radar.
- (vi) Work on Machine Learning and AI for Big Data Analytics for Armed Forces.
- (vii) Build Simulation and visualization tools and Labs for advance systems.
- (viii) Develop EO/IR cameras for multiple uses.
- (ix) Research in miniaturization for airborne systems, especially Drones.
- (x) Research on dual use technologies for peaceful civilian use in the field of medical and HADR.
- (xi) Support various Ministries like Agriculture, HRD, Home, Health etc in optimization of efforts and conserve natural resources.
- (xii) Study and develop data sets in respect of various unstructured data existing. Develop Big Data Analytics, AI, ML towards meaningful representation of data. Areas may include IACCS, FDR, CVR, EW, COMINT etc.
- (xii) Develop AR, VR capabilities for armed forces especially in the field of simulation, training and war gaming.
- (xiii) Explore developing expertise towards exploit development, malware analysis tools.
- (xiii) Explore and develop capability for low bandwidth data transmission tools and protocols.
- (xiv) Act as a consultant or on rate contract for carrying out forensics on personal and official computing devices.
- (xv) Develop RT encryption capability.
- (xvi) Develop distributed ledger / block chain based encryption capability.
- (xvii) Develop mathematical models in HR, Administration, Maintenance and Operational Aspects.
- (xviii) Develop multilingual text and speech based search engines, especially for Urdu, Mandarin etc.
- (xix) Develop dark web search capabilities for National Security.
- (xx) Establish equipment testing facility for embedded malware and develop protocols to identify supply chain poisoning.
- (xxi) Develop custom curriculum for armed forces personnel in order to build capacity.
- (xxii) Establish a cyber security range for conduct of tri-services cyber exercises in close coordination with the Defence Cyber Agency (DCyA).
- (xxiii) In the field of Satellite communication, communication security etc in support of Defence Space Agency (DSA) in collaboration with ISRO, SAC etc.
- (xxiv) Develop technologies to support the Defence Special Ops Agency (DSOA) in ballistics, vehicles, armour protection, weapons, communication etc.
- (xxv) Support NSG, CAPF, Paramilitary Forces etc in Internal Security duties leveraging IT and Communication and Drone technologies.

Manpower Requirements. The qualitative requirement of manpower for both the verticals is envisaged as follows:

Training: The training faculties would be academically qualified as per the UGC norms. However, manpower from R&D would also be used for instructional duties for certain subjects and project works. Subject Matter Experts would be hired where required. The training curriculum, however, would be designed as per user requirements.

R&D: The R&D work would be a collaborative effort involving Research Students; NFSU hired engineers, other Academia and Industry. NFSU would primarily focus on concept development with industry partners and production agencies. Manpower would be hired based on their practical experience and expertise. The Qualifications for each member for R&D would be based on work contents and expertise required. Endeavor would be to hire the best in the industry and build a formidable team to produce results as envisaged. The individual traits and temperament would be the deciding factor rather than pure academic qualifications and expertise.

Supporting Staff: The supporting staff for both technical and non-technical activities would be adjusted from within the available resources or could be inducted separately as would be feasible. The details would be worked out later as requirement arises.

Funds: The R&D fund available with State and Central Government is envisaged to be utilized for this purpose in the initial years. It is estimated that the R&D expenditure would break-even within 3 to 5 years. The revenue generation is envisaged through:

- Training of Armed and Police forces of Friendly Foreign Countries.
- Training of Indian Armed Forces, CAPF and State Police Forces.
- Consultancy in Cyber security, Civil engineering, IT and Communications, State Police forces etc.
- Develop IPR and monetize it with Production Agencies.
- Become a System Integrator (SI) for various big projects.

Activities undertaken during the FY 2022-23:

- GUJCOST STEM Bootcamp conducted by CFDS-NFSU in four (04) batches in month of June 22.
- Defence Expo-22 in month of Oct 22.

Visit by VIPs/Delegations/Guests etc

गृह मंत्रालय MINISTRY OF HOME AFFAIRS	VISITS	National Forensic Sciences University
<p>VCNS (navy) VISIT – 15 JULY 22</p> <p><u>Areas of Interest:</u></p> <ul style="list-style-type: none"> - Drone Database & Threat Library - Integrated Int System - Interceptor Drones <p><u>Follow Up:</u></p> <ul style="list-style-type: none"> - Report sent to Staff Officer VCNS - Follow Up – under progress 	<p>CAS VISIT – 10 AUG 22</p> <p><u>Projects of Interest:</u></p> <ul style="list-style-type: none"> - <u>Drone Database & Threat Library</u> <ul style="list-style-type: none"> - We proposed to develop Threat Library, Sensors-jammers with IAF - <u>Integrated Int System</u> <ul style="list-style-type: none"> - Follow on to IAF Project - <u>Advanced Targeting System</u> <ul style="list-style-type: none"> - Follow on to IAF Project <p><u>Follow Up:</u></p> <ul style="list-style-type: none"> - Project Proposals sent to CAS Office 24 Aug 22 - Following up with CAS office directly 	

VISITS

CISC VISIT

21 Jun – CISC, & Officers of Def Space Agency & DIPAC

Areas of Interest & Follow Up

- Integrated Int. System – to be fused with SIGINT System Data
- Geo Spatial Database – for DIPAC
- Space Situational Awareness Appln
 - Follow Up – Ppt given at DSA, Invited to Hyd for presentation to Def Space Agency (DSA) & DRDO

Interest shown by NSA:

- Air Force Project
- Drone Database & Threat Library
- Drone Forensics Application

Points by NSA:

- BSF Problem of Long Range Drone Detection
- Focus R & D on above also – Ongoing Task

Follow Up Done

- Analysis Done for BSF Drone incident
- Letter written to IG BSF with Analysis Report and Req for handing over of Drone(s).

DEFEXPO-VISITS

Adani Defence - DGM Visit

18-22 Oct 22 – HEC ground Gandhinagar

Areas of Interest & Follow Up

- Interest - Drone Forensics & Drone Threat Library
- Proposal from Adani - Collaborations on Drone Threat library

DEFEXPO-VISITS

Tata Advanced Systems Visit

- Drone Threat library
- Drone Forensics

DEF EXPO-VISITS

AoA - IAF

- Cyber Kiosk
- Visited NFSU Campus Also



DEF EXPO-VISITS

DG Aircraft - IAF

- Autonomous System for Aircraft Inspection using 3D Scanners & Drones
- Initial Proposal sent



DEF EXPO-VISITS

Vice Chief - IAF

- Integrated Int System
- CoE on Anti Drone Tech
- Already Sent after IAF Chief Visit



DEF EXPO-VISITS

FOC in C West & NIIO

- Drone Threat library
- Drone Forensics
- Anti Drone Tech –
Training



DEF EXPO-VISITS

NDC Team



DEF EXPO-VISITS

Gen Khandare

- MA to RM
- Integrated Int Sys
- Drone Forensics & Threat
Library



DEF EXPO-VISITS

Gambia Team Visit

- Integrated Int Sys
- Follow Up Letter sent

DEF EXPO-VISITS

IG - CISF

- Anti Drone Tech
- Integrated Png Sys (as being developed for NSG)



DEF EXPO-VISITS

Vice Chief Army

Areas of Interest & Follow Up

- **Proposal for COE of Anti-drone Tech**
 - Development of anti Drone Tech
 - Trg on Anti Drone Tech



DEF EXPO-VISITS

Dr Satheesh Reddy

Areas of Interest & Follow Up

- Proposal for COE of Anti-drone Tech
 - Development of anti Drone Tech
 - Trg on Anti Drone Tech



DEF EXPO-VISITS

Shri PK Mishra

Briefed on Def Projects and Anti Drone Tech (with special ref to Drone Forensics & Threat Library)



Training Events

Training Programs F.Y 2022-2023					
Sr.No.	Name of Training	From Date	To Date	No. of Participants	Country
1	Online Training Program on Using Images to Identify & Convict Criminals & Terrorists	18-04-2022	22-04-2022	11	India
2	Training Program on Cyber Forensic Tools for Enforcement Directorate Officeres	25-04-2022	30-04-2022	21	India
3	Training Program on Preventive Vigilience for CVO of Banking/Insurance Companies	27-04-2022	29-04-2022	26	India
4	One Day Visit for Probationary IAS Officers	05-05-2022	05-05-2022	5	India
5	One Day Visit for IPS Officers	12-05-2022	12-05-2022	26	India
6	Training Program on Preventive Vigilience for CVO of Banking/Insurance Companies	25-05-2022	27-05-2022	31	India
7	Training Program on Search and Seizures of Forensic Evidence for DFS officers, Gujarat	27-05-2022	29-05-2022	15	India
8	Online Training program on modern methods of forensic investigation for the Indian Postal Services Officers	06-06-2022	10-6-2022	33	India
9	Training prgram on Images/CCTV Analysis for Kolkata Police	14-06-2022	14-06-2022	50	India
10	MCTP-I Cyber Security Module For MEA Officers	17-06-2022	17-06-2022	23	India
11	Training Program on Preventive Vigilience for CVO of Public Sector undertaking By GOI	27-06-2022	29-06-2022	26	India
12	Training program on Basics of Forensic Science for Karnataka FSL officers	20-06-2022	19-09-2022	34	India
13	Training program on Preventive vigilance for Vigilance officers of NLCIL	11-07-2022	15-07-2022	20	India
14	Training Program Advance Methods of Crime Investigation for RPF Group A Officers	18-07-2022	29-07-2022	17	India
15	Training Program on Preventive Vigilience for CVO of Public Sector undertaking By GOI	25-07-2022	27-07-2022	32	India
16	Training Program on Rapid DNA Technology for Senior Police Officers	27-07-2022	28-07-2022	10	India
17	Training Program on MCTP-II Cyber Security Module for MEA Officers	29-07-2022	29/07/2022	26	India
18	Training Program on Wildlife Forensics for Indian Forest Services Officers	23-08-2022	24-08-2022	74	India
19	Training Program on Preventive Vigilience for CVO of Public Sector undertaking By GOI	24-08-2022	26-08-2022	20	India
20	Training Program on Specialised Module on Forensic Science for IPS Officers Batch-1	29-08-2022	02/09/2022	62	India
21	Training Program on Specialised Module on Forensic Science for IPS Officers Batch-2	05-09-2022	09-09-2022	61	India
22	Training Program Advance Methods of Crime Investigation for CBI Officers	05-09-2022	09-09-2022	28	India

23	Online Training Program on Cyber Crime Investigation For Gujarat Police	07-09-2022	08-09-2022	29	India
24	Training Program for Nepal Delegation	05-09-2022	09-09-2022	7	India
25	Training Program on Preventive Vigilance for CVO of Public Sector undertaking By GOI	14-09-2022	16-09-2022	25	India
26	Training program on Wildlife Forensic Module For Forest Officers of MP Forest Department	20-09-2022	22-09-2022	24	India
27	Training Program on Advanced Methods Of Crime Investigation for IDAS Officers, NADFM, Pune	19-09-2022	30-09-2022	19	India
28	Training Program on Cyber Threats For Rural and Cooperative Banks For BIRD	06-10-2022	07-10-2022	21	India
29	Training Program on Preventive Vigilance for Vigilance Officers of Public Sector undertaking By GOI	10-10-2022	12-10-2022	34	India
30	Training Program on Future Ready RBI - Challenges for Security Managers.	17-10-2022	21-10-2022	24	India
31	Training Program on Cyber Security Audit for J&K Police	17-10-2022	21-10-2022	10	India
32	Training Program on Modern Cyber Crime Investigations for IRS Officers of NADT, Nagpur	09-11-2022	11-11-2022	49	India
33	Training Program on DST-STUTI (School of Pharmacy)	16-11-2022	22-11-2022	32	India
34	Training Program on Preventive Vigilance for Vigilance Officers of Public Sector undertaking By GOI	16-11-2022	18-11-2022	31	India
35	Training Program on Forensic DNA Technology for Forensic Biology Analyst of Kenya -ITEC	14-11-2022	25-11-2022	19	Kenya
36	Training Program in the Area of Document Verification for GHANA-ITEC	21-11-2022	02-12-2022	10	Ghana
37	Training Program on Forensic Science & Administration for Civil Judges, JMFC	28-11-2022	30-11-2022	59	India
38	Training Program on Forensic Aspects of Fire and Arson Investigation for ONGC Officers	06-12-2022	09-12-2022	20	India
39	Training program on Basics of Forensic Science for Scientific Officers of Karnataka FSL	05-12-2022	03-03-2023	34	India
40	Training Program on Advanced Methods of Scientific Methods of Investigation For RPS Officers, Rajasthan	12-12-2022	16-12-2022	35	India
41	One Day Visit of Officials of CDM, Secunderabad	13-12-2022	13-12-2022	13	India
42	Training Program on Preventive Vigilance for Vigilance Officers of Public Sector undertaking By GOI	19-12-2022	21-12-2022	31	India
43	Training Program on OT and ICS Security for Working Professionals of GAIL India Ltd	19-12-2022	23-12-2022	8	India
44	Training Program on ICT for MHA UT Officers	29-12-2022	30-12-2022	22	India
45	One Day Visit for SCRB Officers of Gujarat Police	29-12-2022	29-12-2022	27	India
46	Training Program on Online Child Abuse and Cyber Crime for Tanzania Officials	02-01-2023	13-01-2023	30	Tanzania

47	Training Program on NDPS for ITEC Officers	09-01-2023	20-01-2023	25	ITEC (Mix Countries)
48	Training Program on NDPS for Maldives Officers	09-01-2023	13-01-2023	8	Maldives
49	Training Program on Preventive Vigilance for CVO and VO	16-01-2023	18-01-2023	27	India
50	One Day Visit for SCRB Officers of Gujarat Police	19-01-2023	19-01-2023	27	India
51	Training Program on Digital Forensics for IRS (C&IT)	23-01-2023	25-01-2023	33	India
52	Training Program on Advanced Methods of Crime Investigation	06-02-2023	17-02-2023	27	ITEC
53	IAACA Online Training Programme	21-02-2023	21-02-2023	1200	Mix Countries
54	Training program on Virtual Autopsy	16-01-2023	20-01-2023	20	India(4 international)
55	Training program on Forensic Science Search and Excavation	13-02-2023	17-02-2023	12	India(4 international)
56	Training program on Future Ready RBI-Challenges for Security Managers	27-02-2023	03-03-2023	22	India
57	Training Program on Preventive Vigilance for Vigilance officers of PSUs	01-03-2023	03-03-2023	28	India
58	Training Program on White Collar Crimes and Financial Fraud Investigation	06-03-2023	17-03-2023	21	ITEC (Mix Countries)
59	Training program on Future Ready RBI-Challenges for Security Managers	13-03-2023	17-03-2023	22	India
60	Training Program on Crime Scene Management for Scene of Crime Officers	13-03-2023	11-04-2023	50	India
61	Training Program on MCTP-II Cyber Security Module for MEA Officers	17-03-2023	17-03-2023	26	India
62	Training program for ACB, Uttarakhand	29-03-2023	29-03-2023	17	India
Total				2829	

Training Photos



NATIONAL FORENSIC SCIENCES UNIVERSITY

SECTOR-9, GANDHINAGAR, GUJARAT STATE.

Training Program on "Preventive Vigilance for Chief Vigilance Officers"
From 27/04/2022 to 29/04/2022



NATIONAL FORENSIC SCIENCES UNIVERSITY

SECTOR-9, GANDHINAGAR, GUJARAT STATE.

Training Program on "Preventive Vigilance for Chief Vigilance Officers"
From 25/05/2022 to 27/05/2022





NATIONAL FORENSIC SCIENCES UNIVERSITY SECTOR-9, GANDHINAGAR, GUJARAT STATE.

Training Program on "Preventive Vigilance" for Chief Vigilance Officers
From 27/06/2022 to 29/06/2022.



NATIONAL FORENSIC SCIENCES UNIVERSITY SECTOR-9, GANDHINAGAR, GUJARAT STATE.

Training Program on Forensics in Crime Investigation and Cyber Crime For RPF Officers
From 18/07/2022 to 29/07/2022.





NATIONAL FORENSIC SCIENCES UNIVERSITY

SECTOR-9, GANDHINAGAR, GUJARAT STATE.

Training Program on "Rapid DNA Technology" for Senior Police Officers
From 27/07/2022 to 28/07/2022



NATIONAL FORENSIC SCIENCES UNIVERSITY

SECTOR-9, GANDHINAGAR, GUJARAT STATE.

Training Programme on "Wildlife Forensics" for Indian Forest Service of Indira Gandhi National Forest Academy, Dehradun,
From 23/08/2022 to 24/08/2022





NATIONAL FORENSIC SCIENCES UNIVERSITY SECTOR-9, GANDHINAGAR, GUJARAT STATE.

Training Program on "Preventive Vigilance for Chief Vigilance Officers"
From August 24th 2022 to August 26th, 2022 at NFSU, Gujarat



NATIONAL FORENSIC SCIENCES UNIVERSITY SECTOR-9, GANDHINAGAR, GUJARAT STATE.

Training Programme on "Specialized Module on Forensics Science" for IPS Officers
From August 29th, 2022 to September 02nd, 2022 at NFSU, Gandhinagar, Gujarat





NATIONAL FORENSIC SCIENCES UNIVERSITY

SECTOR-9, GANDHINAGAR, GUJARAT STATE.

Training Program on "Specialized Module on Forensic Science" for IPS Officers
From 02/09/2022 to 09/09/2022.



NATIONAL FORENSIC SCIENCES UNIVERSITY

SECTOR-9, GANDHINAGAR, GUJARAT STATE.

Training Program on "Advanced Methods of Crime Investigations" for IDAS Officers,
from 19/09/2022 to 30/09/2022





NATIONAL FORENSIC SCIENCES UNIVERSITY SECTOR-9, GANDHINAGAR, GUJARAT STATE.

Training Program on Strategies for Prevention and Management of Cyber Threats in Cooperative Banks,
From 06/10/2022 to 07/10/2022.



NATIONAL FORENSIC SCIENCES UNIVERSITY SECTOR-9, GANDHINAGAR, GUJARAT STATE.

Training Program on "Cyber Security Audit" for J&K Police Officers,
from 17/10/2022 to 21/10/2022.





NATIONAL FORENSIC SCIENCES UNIVERSITY

SECTOR-9, GANDHINAGAR, GUJARAT STATE.

Training Program on Future Ready RBI - Challenges for Security Managers of RBI,
from 17/10/2022 to 21/10/2022



NATIONAL FORENSIC SCIENCES UNIVERSITY

SECTOR-9, GANDHINAGAR, GUJARAT STATE.

Training Program on "Modern Cyber Crime Investigations" for IRS Officers of NADT,
Nagpur, From 09/11/2022 to 11/11/2022.





NATIONAL FORENSIC SCIENCES UNIVERSITY SECTOR-9, GANDHINAGAR, GUJARAT STATE.

Training Program on "Forensic DNA Technology" for Forensic Biology Analyst of Kenya under ITEC Scheme
From 14/11/2022 to 25/11/2022



NATIONAL FORENSIC SCIENCES UNIVERSITY SECTOR-9, GANDHINAGAR, GUJARAT STATE.

Training Program in "The Area of Document Verifications" for Ghana under ITEC Scheme.
From 21/11/2022 to 02/12/2022.





NATIONAL FORENSIC SCIENCES UNIVERSITY SECTOR-9, GANDHINAGAR, GUJARAT STATE.

Foundation Course on Forensic Science for the Scientific Officers of FSL, Karnataka
from 05/12/2022 to 03/03/2023.



NATIONAL FORENSIC SCIENCES UNIVERSITY SECTOR-9, GANDHINAGAR, GUJARAT STATE.

Training Program on "Advanced Methods of Scientific Investigations" for RPS Officers
from 12/12/2022 to 16/12/2022





NATIONAL FORENSIC SCIENCES UNIVERSITY

SECTOR-9, GANDHINAGAR, GUJARAT STATE.

Training Program on "OT & ICS Security" for the Working Professionals of GAIL (India) Ltd.
from 19/12/2022 to 23/12/2022



NATIONAL FORENSIC SCIENCES UNIVERSITY

SECTOR-9, GANDHINAGAR, GUJARAT STATE.

Training Program on "Information Communication Audit for Cyber Security" for the officers of UT,
MHA from 29/12/2022 to 30/12/2022





NATIONAL FORENSIC SCIENCES UNIVERSITY

SECTOR-9, GANDHINAGAR, GUJARAT STATE.

Training Program on "Narcotics & Psychotropic Substances" for the Officers of Maldives
from 09/01/2023 to 13/01/2023.



NATIONAL FORENSIC SCIENCES UNIVERSITY

SECTOR-9, GANDHINAGAR, GUJARAT STATE.

Training Program on "Advanced Methods of Crime Investigations" for ITEC Officers
from 06/02/2023 to 17/02/2023





NATIONAL FORENSIC SCIENCES UNIVERSITY

SECTOR-9, GANDHINAGAR, GUJARAT STATE.

Training Program on "Investigations of White Collar Crimes - Financial Fraud Investigations"
for ITEC Officers from 06/03/2023 to 17/03/2023



NATIONAL FORENSIC SCIENCES UNIVERSITY

SECTOR-9, GANDHINAGAR, GUJARAT STATE.

Training Program on "Digital Forensics" for IRS(C&IT) Officers
from 23/01/2023 to 25/01/2023





NATIONAL FORENSIC SCIENCES UNIVERSITY

SECTOR-9, GANDHINAGAR, GUJARAT STATE.

Training Program on "Basic Training of Forensic Science" for Scientific Officers of Karnataka FSL.



National Forensic Sciences University		An Institution of National Importance (Ministry of Home Affairs, Government of India)															
INVITES ONLINE APPLICATIONS FROM QUALIFIED CANDIDATES FOR FOLLOWING POSTS																	
Professors (7 th Pay Matrix Academic level 1445, Entry level minimum basic pay INR 1,59,100/-), Associate Professors (7 th Pay Matrix Academic level 1342, Entry level minimum basic pay INR 1,36,600/-), Assistant Professors (7 th Pay Matrix Academic level 10+7 with compounded increments, Entry level minimum basic pay INR 70,200/-)																	
School	Discipline	Category wise Vacancy															Total Posts
		General			ST			SC			OBC			EWS			
		Prof.	Asso. Prof.	Asst. Prof.	Prof.	Asso. Prof.	Asst. Prof.	Prof.	Asso. Prof.	Asst. Prof.	Prof.	Asso. Prof.	Asst. Prof.	Prof.	Asso. Prof.	Asst. Prof.	
School of Forensic Sciences	Forensic Science (General)	02	01	-	-	-	-	-	-	-	-	01	01	-	-	01	06
	Finger Print Science/ Questioned Document	-	01	01	-	-	01	-	-	-	01	-	-	-	-	-	04
	Forensic Biology/ Microbiology etc.	01	01	01	-	-	-	-	-	-	-	-	01	-	-	-	04
	Forensic Physics/ Ballistics/ Crime scene Management	01	01	03	-	-	-	-	-	-	-	-	01	-	-	-	06
	Forensic Chemistry/ Toxicology	-	01	-	-	-	-	-	-	-	-	01	01	01	-	-	06
	Forensic Multimedia	-	01	-	-	-	-	-	-	-	-	-	-	-	-	-	01
	Forensic General History	-	-	-	02	-	-	-	-	-	-	01	01	-	-	01	05
	Forensic Chemistry	-	-	02	-	-	-	-	-	-	-	-	01	-	01	01	05
	Forensic General Physics	-	-	01	-	-	01	-	-	-	-	01	01	-	-	01	05
	Forensic Science	-	-	-	-	-	-	-	-	-	01	-	-	-	01	-	02
School of Medico-legal studies	Forensic Medicine	01	-	-	-	-	-	-	-	01	-	-	-	-	-	-	02
	Forensic Dentology	-	01	-	-	-	-	-	-	01	-	-	-	-	-	-	02
	Forensic Jurisprudence	-	-	-	-	-	01	-	-	-	-	-	-	-	-	-	02
	Forensic Pathology	-	-	-	-	-	01	-	-	-	-	01	01	-	-	01	05
	Forensic Anatomy	-	-	-	-	-	01	-	-	-	-	-	-	-	-	-	01
	Cyber Security	-	-	03	-	03	-	01	-	02	01	-	-	-	01	01	10
	Digital Forensics	01	-	02	-	-	-	-	-	-	01	02	-	-	01	01	08
	IT/Computer Applications	01	-	05	-	-	-	-	-	01	-	01	-	-	-	-	08
	IT/Computer Applications	-	01	04	01	-	01	-	01	01	-	-	01	-	-	-	10
	School of Management Studies	Forensic Accounting	01	01	01	-	-	-	-	-	-	-	-	01	-	-	-
General Management		-	-	01	-	-	-	-	-	01	-	01	01	01	-	-	05
Hospital Administration		-	01	01	-	-	-	-	-	01	-	-	01	01	-	01	06
Accounts and Finance		-	01	01	-	-	01	01	-	-	01	01	01	-	-	-	07
Cyber Security Management		01	-	01	-	-	01	-	01	-	-	-	01	-	-	-	05
Research Methodology		-	-	-	-	-	-	-	01	01	-	-	01	-	-	-	03
Data Analysis		-	-	01	-	-	-	-	01	-	-	-	01	-	-	-	03
QCAIR		01	-	-	-	-	-	-	-	01	-	-	01	-	-	-	03
Police Administration		-	-	01	-	-	-	-	-	-	01	-	01	-	-	-	03
School of police science and security studies		Security Bul./Security etc.	-	-	01	-	01	01	-	-	-	-	01	-	-	-	-
	Forensic Internal Security	-	-	-	-	-	-	-	-	01	-	01	01	-	-	-	03
	Law	-	-	02	-	-	-	-	-	01	01	01	01	-	-	-	06
	Data Science	-	-	01	-	01	-	-	01	01	-	-	01	-	-	-	05
	General Computer Application	-	-	-	-	-	-	-	-	-	-	01	01	-	-	-	02
	Mathematical statistics	-	-	-	-	-	-	-	-	-	01	-	-	-	-	-	01
	English	-	-	01	-	-	-	-	-	-	-	-	-	-	-	-	01
	Structural Engineering	-	01	-	01	-	-	-	-	01	-	01	01	-	-	-	05
	Aviation Technology	01	-	-	-	-	01	-	-	-	-	-	01	-	-	-	03
	Food Technology	-	01	-	-	-	-	-	-	01	-	-	01	-	-	01	04
School of Pharmacy	Biotechnology	01	-	01	-	-	-	-	-	-	-	01	-	-	-	-	03
	Chemistry	-	01	01	-	-	-	01	-	01	-	-	-	-	-	-	04
	Environment Science	-	-	-	-	-	-	-	-	-	-	01	01	-	-	-	02
	Forensic Psychology	01	01	-	-	01	-	-	-	-	-	-	01	-	-	01	05
	Criminology	-	-	01	-	-	01	-	01	01	01	-	01	-	01	01	08
	Clinical Psychology	-	-	-	-	-	-	01	01	01	-	-	01	-	-	-	05
	Forensic Psychiatry	-	-	-	-	-	-	-	01	01	-	-	-	-	-	-	02
	Open Learning	-	-	-	-	-	-	-	-	-	-	-	01	-	01	-	02
	Open Learning	-	-	-	-	-	-	-	-	-	-	-	01	-	01	-	02
	Open Learning	-	-	-	-	-	-	-	-	-	-	-	01	-	01	-	02
Open Learning	-	-	-	-	-	-	-	-	-	-	-	01	-	01	-	02	
Open Learning	-	-	-	-	-	-	-	-	-	-	-	01	-	01	-	02	

For more details pertaining to required educational qualification, experience, other essential requirements and how to apply etc. Please refer our website www.nfsu.ac.in Last date for submission of online application is **21/05/2022**. Separate application to be made for individual post.

Date: 03/05/2022

Executive Registrar

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National Forensic Sciences University

राष्ट्रीय न्यायालयिक विज्ञान विश्वविद्यालय
An Institution of National Importance under Ministry of Home Affairs, Government of India
राष्ट्रीय महत्व का संस्थान, गृह मंत्रालय, भारत सरकार




Admissions Open for Academic Year 2023-24


School of Doctoral Studies & Research	School of Cyber Security & Digital Forensics	School of Behavioural Forensics	School of Law, Forensic Justice and Policy Studies
Doctor of Philosophy (Ph.D.) Forensics and allied Sciences	M. Tech. Cyber Security Gandhinagar	M. Phil. Clinical Psychology Gandhinagar - Delhi* (Not Approved/Assessed)	LL. M. (Cyber Law and Cyber Crime Investigation) Gandhinagar
School of Forensic Science	M. Tech. Artificial Intelligence & Data Science (Specialization in Cyber Security) Goa	M. Sc. Neuropsychology Gandhinagar	LL. M. (Criminal Law and Criminal Justice Administration) Gandhinagar - Delhi
M. Sc. Forensic Science Gandhinagar Delhi Goa Tripura Bhopal	M. Sc. Cyber Security Gandhinagar - Goa	M. Sc. Clinical Psychology Gandhinagar	B. Sc.; LL. B. (Hons.) Gandhinagar
M. Sc. Forensic Biotechnology Gandhinagar	M. Sc. Digital Forensics & Information Security Gandhinagar Delhi Goa	M. Sc. Forensic Psychology Gandhinagar	LL. B. (Hons.) Gandhinagar
M. Sc. Multimedia Forensics Gandhinagar	B. Tech. - M. Tech. Computer Science & Engineering (Cyber Security) Gandhinagar Delhi Tripura Dharwad	M. A. Criminology (Specialization in Forensic Psychology) Gandhinagar - Delhi	B.B.A.; LL. B. (Hons.) Gandhinagar
M. A. Mass Communication & Journalism (Specialization in Forensic Journalism)	P. G. Diploma Cyber Physical System Gandhinagar	B. A. - M. A. Criminology Gandhinagar	P. G. Diploma Cyber Law Gandhinagar
B. Sc. - M. Sc. Forensic Science Gandhinagar Delhi Goa Tripura Dharwad	P. G. Diploma Semiconductor Security & Forensic Investigation Gandhinagar	P. G. Diploma Cyber Psychology Gandhinagar	P. G. Diploma Drug and Substance Abuse Laws Manipur
P. G. Diploma Fingerprint Science Gandhinagar Delhi Bhopal Pune	P. G. Diploma Investigative Psychology Gandhinagar	School of Engineering and Technology	School of Earth, Space, and Internet Technologies
P. G. Diploma Forensic Document Examination Gandhinagar Delhi Bhopal Pune Guwahati Manipur	School of Management Studies	M. Sc. Nanotechnology (Specialization in Forensic Nanotechnology) Gandhinagar	M. Tech. Robotics and Automation Gandhinagar
P. G. Diploma Crime Scene Photography Delhi	MBA Forensic Accounting and Fraud Investigation Gandhinagar	M. Sc. Food Technology (Specialization in Forensic Food Analysis) Gandhinagar	M. Tech. Applied Data Science and Artificial Intelligence Gandhinagar
P. G. Diploma Crime Scene Management Gandhinagar Bhopal Dharwad Pune Manipur	MBA Cyber Security Management Gandhinagar	M. Tech. Civil Engineering (Specialization in Forensic Structural Engineering) Gandhinagar	P. G. Diploma Internet Governance Gandhinagar
P. G. Diploma DNA Forensics Bhopal Pune Guwahati	MBA Hospital and Healthcare Management Gandhinagar	School of Police Science and Security Studies	School of Pharmacy
P. G. Diploma Forensic Journalism (Hybrid Mode) Gandhinagar	MBA Business Analytics and Intelligence Gandhinagar	M. Sc. Homeland Security Gandhinagar - Delhi	M. Pharm. Forensic Pharmacy Gandhinagar - Dharwad
P. G. Diploma Forensic Ballistics Gandhinagar	BBA - MBA (With Specialization in Forensic Accounting and Fraud Investigation / Financial Management / Business Analytics and Intelligence) Gandhinagar - Delhi	M. A. Police & Security Studies Gandhinagar	M. Pharm. Pharmaceutical Quality Assurance (PCI Approved) Gandhinagar
School of Medico-Legal Studies		P. G. Diploma Security Studies Gandhinagar	M. Sc. Chemistry (Specialization in Forensic Analytical Chemistry) Gandhinagar
M. Sc. Toxicology Gandhinagar		Diploma Canine Forensics Delhi	M. Sc. Environmental Science (Specialization in Environmental Forensics) Gandhinagar - Dharwad
P. G. Diploma Humanitarian Forensics (In Association with ICRC) Gandhinagar			M. Sc. Pharmaceutical Chemistry Gandhinagar
P. G. Diploma Disaster Victim Identification Gandhinagar			P. G. Diploma Industrial Safety, Hygiene & Environmental Management Gandhinagar

Admissions will be through National Forensic Admission Test (NFAT) - 2023

For eligibility criteria and other information please visit <https://nfsu.ac.in/admission>

Last Date to Apply is
29th May 2023
Executive Registrar

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National Forensic Sciences University

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INVITES ONLINE APPLICATIONS FROM QUALIFIED CANDIDATES FOR FOLLOWING POSTS

Name of post	Total no of posts	Category wise					Pay level
		Gen.	SC	ST	OBC	EWS	
Controller of Examination	1	1	-	-	-	-	14
Finance Officer	1	1	-	-	-	-	14
Deputy Registrar	9	6	1	-	1	1	12
Assistant Registrar	17	9	2	1	4	1	10
Assistant Finance Officer	4	3	-	-	1	-	10
Section Officer	19	10	3	1	4	1	8
Accounts Officer	3	3	-	-	-	-	8
Deputy Engineer (Civil)	1	1	-	-	-	-	9
Assistant Engineer (Civil)	2	2	-	-	-	-	8
IT System Manager	1	1	-	-	-	-	8
Deputy Section Officer	20	10	3	1	5	1	7
Accountant cum Auditor	4	3	-	-	1	-	7
Sub Accountant-cum-Sub Auditor	8	5	1	-	1	1	5
Assistant	49	22	7	3	13	4	2

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Date: 03/05/2022

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