



NFSU BULLETIN

ISSUE NO. 3/2021 : May-2021

A NATIONAL FORENSIC SCIENCES UNIVERSITY NEWSLETTER

Vice Chancellor

Dr. J.M. Vyas

Editor-in-Chief

Dr. S.O. Junare

Editor

Air Commodore K.R. Thaakar

Associate Editor

Dr. Jayrajsinh Sarvaiya

Editorial Team

Dr. Ashwini Pandit
Dr. Deepak Rawtani
Dr. Mahesh Vasava
Dr. Parag Rughani
Dr. Pranav Dave
Dr. Prashanto Saha
Dr. Rajesh Babu
Mr. Raihan Patel

CONTENTS

UZBEKISTAN AMBASSDOR VISITS

IMPORTANT EVENTS

ACTIVITIES

KNOWLEDGE SHARING

WORKSHOPS / SEMINARS

GUEST TALKS

TRAINING & PRESENTATIONS

PUBLICATION OF BOOKS/PAPERS

ACHIEVEMENTS

THEY LEFT US FOREVER...



Website: www.nfsu.ac.in



[www.twitter.com/NFSU_Official](https://twitter.com/NFSU_Official)



www.facebook.com/National-Forensic-Sciences-University-109193664143620



www.in.linkedin.com/company/nfsu



www.instagram.com/gfsuofficial



www.youtube.com/c/NationalForensicSciencesUniversity

AMBASSADOR OF REPUBLIC OF UZBEKISTAN VISITS NFSU



H.E. Mr. Dilshod Akhatov, Ambassador of the Republic of Uzbekistan to India visited National Forensic Sciences University, Gandhinagar on 7th April 2021. He held a meeting with Hon. Vice Chancellor, Dr. J. M. Vyas, and other senior officials of NFSU. A detailed presentation about the functioning of the National Forensic Sciences University and its capabilities were presented to H.E. Mr. Dilshod Akhatov. He expressed desire to have training conducted at NFSU for their police, judiciary and government officials, and seek help for setting up forensic laboratories in certain fields. During the meeting, Prof.(Dr.)S.O. Junare, the Campus Director, Gandhinagar; Shri C.D. Jadeja, Executive Registrar; Prof. Naveen Kumar Chaudhry, Dean-School of Cyber Security and Digital Forensics; Air Commodore Kedar R. Thaakar, Dean-School of Police Science and Security Studies; and, Air Commodore R. N. Gaikwad, Head-Center for Futuristic Defence Studies, also participated in the discussion.



TEAM FROM SARDAR PATEL UNIVERSITY OF POLICE, JODHPUR VISITS NFSU



A 3-member team of Sardar Patel University of Police, Security & Criminal Justice at Jodhpur (Rajasthan) headed by Hon. Vice-Chancellor Dr. Alok Tripathi visited NFSU at Gandhinagar on 2nd March 2021. The NFSU team comprised Hon. V.C. Dr. J.M. Vyas, DG ACB, Shri Keshav Kumar, IPS and the Campus Director, Prof. (Dr.) S.O. Junare.

The team held extensive discussion on security related training in progress at both the universities and a police science training being contemplated at NFSU. At the end of the discussion, it was decided to set up a committee of both the universities to progress the academic collaboration and research activities.

IMPORTANT EVENTS

CENTER OF EXCELLENCE FOR DNA FORENSICS AT NFSU



NFSU and Invitrogen (Life Technologies), a subsidiary of Thermo Fisher Scientific Corporation, USA signed a collaborative agreement in a virtual mode for establishing a "NFSU Thermo Fisher Scientific Center of Excellence for DNA Forensics" at NFSU, Gandhinagar on 15th March 2021. This Centre of Excellence (CoE) for DNA Forensics, a first of its kind in India, is being established at the NFSU premises at Gandhinagar. The Centre will not only educate the students of NFSU but also to the staff of Forensic Labs across the country, law enforcement agencies like the Police and the Judiciary, and even to the friendly foreign countries across the world. Besides, it will conduct research, method development, workflow development and provide scientific demonstration as well as training in the field of DNA Forensics. The event was presided over by the Hon. Vice Chancellor of NFSU, Dr. J.M. Vyas, and attended by the DG ACB, Shri Keshav Kumar, IPS. The Campus Director, Prof. (Dr.) S.O. Junare signed the agreement and briefed about NFSU. Dr. J. M. Vyas conveyed great satisfaction at this multidimensional stride and expressed hope that the CoE will immensely benefit the law enforcement agencies of India as well as abroad. Dr. Satish Kumar, Associate Dean, and Dr. Bhargav Patel, Senior Assistant Professor, also attended and coordinated the event.

NFSU TO CO-HOST INTERNATIONAL CONFERENCE ON CRIMINOLOGY AND FORENSIC SCIENCE



The University of Dhaka, Bangladesh in collaboration with National Forensic Sciences University, India and Ryukoku University, Japan is organising the 3rd International Conference on Criminology and Forensic Science in the Global South on 8th August and 9th August 2021 at Dhaka in Bangladesh. Dr J.M. Vyas, Hon. Vice Chancellor of NFSU has been invited to deliver a keynote address in the inaugural session.

PROF. KANDASWAMY BHARATHAN ADDRESSES FORENSIC JOURNALISM STUDENTS



Prof. Kandaswamy Bharathan, an entertainment industry professional visited NFSU on 16th March 2021 at the culmination of its unique course, 'Certificate Course in Forensic Journalism'. Hon. Vice-Chancellor, Dr. J. M. Vyas welcomed and briefed him about the University. Shri Keshav Kumar IPS and Prof. (Dr.) S. O. Junare were also present. Subsequently, Prof. Bharathan addressed the faculty members and students. He proposed that the importance of Forensics need to be conveyed through the medium of movies. He also brought out that Forensic Science could also play an important role in

the prevention of piracy. The event was coordinated by Dr. Pranav Dave, Assistant Professor for Forensic Journalism.

ACTIVITIES

NFSU TO SET UP FORENSIC FACILITIES AT LUCKNOW



NFSU team comprising the Campus Director, Prof. (Dr.) S. O. Junare and Associate Dean, Dr. Satish Kumar visited Lucknow on 17-18 March 2021 for establishment of NFSU's "Centre of Excellence in DNA" and "Uttar Pradesh State Institute of Forensic Sciences". The team held meetings with senior officials of Uttar Pradesh such as Shri Avnish Kumar Awasthi, Additional Chief Secretary, Home Department, Shri Hitesh Chandra Awasthi, DGP Uttar Pradesh, Shri Sandeep Salunke, Additional DGP, and others. During the visit, Dr. Junare and Dr. Satish Kumar also called on the Hon'ble Chief Minister of Uttar Pradesh, Shri Yogi Adityanath and discussed the outline of the project.

NFSU TO ESTABLISH CAMPUS IN MANIPUR



NFSU team comprising the Executive Registrar, Shri C.D. Jadeja and the Nodal Officer-East India, Shri Sagar Bhowmik visited Imphal on 18th March – 19th March 2021 to work out the modalities for establishing a NFSU Campus in Manipur. The Government of Manipur has given its approval and earmarked land at Pangei, Imphal for setting up the campus for strengthening forensic capabilities of Manipur and neighbouring states. On 8th March 2021, Shri Jadeja and Shri Bhowmik, also called on the Hon'ble Chief Minister of Manipur, Shri N. Biren Singh at Imphal. Shri Jadeja briefed the C.M. about the training, research and consultancy being undertaken by NFSU in various fields of forensic science.

KNOWLEDGE SHARING

MoU SIGNED WITH BUREAU OF POLICE RESEARCH & DEVELOPMENT (BPR&D)



On 23rd March 2021, a Memorandum of Understanding (MoU) was signed virtually between the Bureau of Police Research and Development (BPR&D), New Delhi, and NFSU with the objective to establish a framework collaboration to conduct a research study titled 'A Study of Factors Responsible for Recidivism'. The MoU was signed by Ms. Anupama Nilekar Chandra, IPS IG/Director (Research & CA), BPR&D, New Delhi, and Brig. (Dr.) K. K. Tripathi, Dean, School of Behavioural Science, NFSU in the presence of Prof. (Dr.) S. O. Junare, the Campus Director, NFSU, Gandhinagar.

MoU WITH INSTITUTE OF NUCLEAR MEDICINE AND ALLIED SCIENCES (INMAS) OF DRDO



On 25th March 2021, a Memorandum of Understanding (MoU) was signed virtually between NFSU and the Institute of Nuclear Medicine and Allied Sciences (INMAS), New Delhi, an institute of DRDO. The main objective of this MOU is to have a collaborative cutting edge research, advanced academic activities and professional training in the areas such as CBRN forensics, rail forensics, food forensics, nuclear forensics, etc. The MoU was signed by Prof. (Dr.) S.O. Junare, the Campus Director, NFSU and Dr. K. Ramachandran, Director, INMAS. Dr. G. Rajesh Babu, Associate Professor at NFSU and Dr. Dhruv Kumar Nishad, Scientist (E) at INMAS were also present at the event.

MoU SIGNED WITH INTELLIGENCE RESEARCH INSTITUTE OF USA



**INTELLIGENCE
RESEARCH
INSTITUTE**

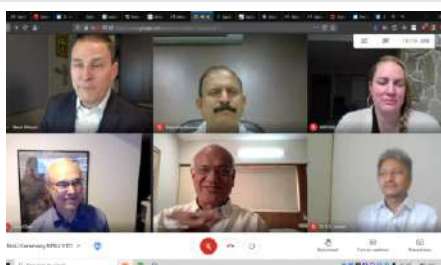
A virtual MoU was signed with Intelligence Research Institute (IRI), San Diego, USA and NFSU covering wide ranging areas in the fields of Security and Intelligence. This has resulted from the vision of Hon. V.C., Dr. J.M. Vyas to boost the security studies at NFSU. The virtual MoU was signed by Dr. Akshay Pottathil, President of IRI and Prof. (Dr.) S.O. Junare, Campus Director, NFSU.

MoU FOR JOINT ESTABLISHMENT OF "CENTRE OF CCTV RESEARCH"



A Memorandum of Understanding (MoU) was signed virtually between RV College of Engineering, Bengaluru and NFSU on 6th April, 2021 with the objective of setting up "Centre of CCTV Research" at RVCE, Bengaluru. The MoU was signed by Prof.(Dr.) S.O. Junare, the Campus Director, NFSU and Prof.(Dr.) K.N. Subramanya, Principal, RVCE. Dr. J.M. Vyas, Hon. Vice-Chancellor of NFSU who presided over the event, proposed conducting a joint PG Diploma course in Multimedia Forensics and to take up joint consultancy services. Shri Sanjay Sahay IPS, former ADGP of Karnataka state, Dr. Surbhi Mathur, Senior Assistant Professor at NFSU, and other were also present.

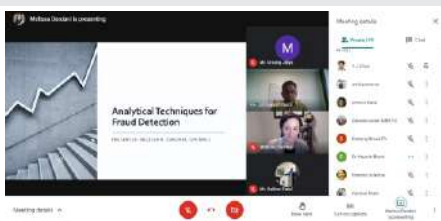
MoU WITH VTO INC, COLORADO, USA ON DRONE FORENSICS



On 10th April 2021, a landmark MoU was signed between NFSU and VTO Inc, Colorado, USA, a global organisation in 'Drone Forensics'. Under the visionary leadership of its Hon. Vice Chancellor, Dr. J. M. Vyas, the NFSU has established 'Drone Forensics Lab'. This MoU will empower the Law Enforcement Agencies across the world. In the presence of Dr J. M. Vyas, the MoU was signed by Prof. (Dr.) S. O. Junare, the Campus Director of NFSU and Mr Steve Watson, CEO of VTO Inc. Ms. Michelle and Mr Terry Clark from VTO Inc, and Air Commodore R. N. Gaekwad, Head, Center for Futuristic Defence Studies and Mr. Nilay Mistry, Assistant Professor from NFSU were also present.

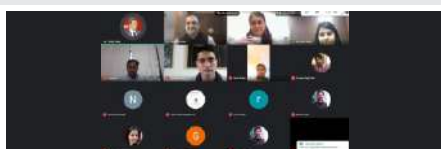
WORKSHOPS / SEMINARS / CONFERENCES

WEBINAR ON ANALYTICAL TECHNIQUES FOR FRAUD DETECTION



The School of Management Studies of NFSU organised a webinar on "Analytical Techniques for Fraud detection" on 4th March 2021 as a part of webinar series on Forensic Accounting and Fraud Investigation. Ms. Melisa Dardani, Managing Director of MAcc Advisory, USA, familiarised the students with the current global trends and acquainted them with the latest Softwares being used in fraud detection and data analysis.

WEBINAR ON OPTIMAL USE OF CCTV CAMERAS



A webinar was conducted on "CCTV Cameras - How to achieve optimal outcomes through daily auditing and continuous investigation" by the School of Forensic Science on 12th March, 2021. The Speaker was Mr. Gautam Goradia, CEO & MD, Hayagriva Software (P) Ltd, Mumbai.

GUEST TALKS

TRAINING AND PRESENTATIONS



ONLINE TRAINING FOR BANGLADESH POLICE OFFICERS

NFSU, Gandhinagar conducted a 5 days online training programme for Bangladesh police officers on the subject of Forensic Biology and Serology. Shri R. N. Guna, Dy. Director (Training) at NFSU presided over the valedictory function on 26th March, 2021. The participating Bangladesh officers praised the training programme and conveyed gratitude to the Hon. Vice-Chancellor, Dr. J. M. Vyas and the Campus Director, Prof.(Dr.) S. O. Junare for facilitating the programme despite COVID 19.

TRAINING OF ED OFFICERS IN DIGITAL EVIDENCE & CYBER HYGIENE

A one-day training program on "Proper Handling of Digital Evidence and Cyber Hygiene" was conducted by NFSU for the officers of the Enforcement Directorate (ED), Govt. of India in a virtual mode on 10th April 2021. Dr. J.M. Vyas, Hon'ble Vice-Chancellor of NFSU inaugurated the Training Program. A total of 288 ED officers/participants from all over India participated in the training. Shri H.P. Sanghvi, Additional Director of Directorate of Forensic Science, Gujarat, Prof. Nilay Mistry, and Mr. Kushal Master delivered the lectures during the training program.

TRAINING ON FORENSIC EXAMINATION IN SEXUAL ASSAULT CASES

Since August 2018, Delhi Campus of NFSU (LNJN NICFS) has been conducting Special Training Courses on Forensic Examination in Sexual Assault Cases as envisaged under the National Mission for Safety of Women launched by Govt. of India. During March and April, 2021, five such courses were conducted (online) in which 145 participants including Medical Officers, Judicial Officers, Prosecuting Officers, Police Officers and Forensic Scientists participated. During these courses, various issues relating to Medico-legal provisions and Standard Protocols and Kits prepared by the Delhi Campus of NFSU (LNJN-NICFS) were discussed.

EXPERT TALKS BY NFSU FACULTY

Dr. Minakshi Sinha, Reader (Sociology) at the Delhi Campus of NFSU, delivered an online expert talk on "Access to Justice-Role of Women in India-Initiatives, Innovations, Involvement and Institutional Framework : Nationwide Initiatives" on 8th March 2021 at the 14th United Nations Congress on Crime Prevention and Criminal Justice at Kyoto, Japan.

Dr Naveen Kumar Chaudhary, Professor and Dean, School of Cyber Security and Digital Forensics delivered expert talk on 'Drone Forensics' at TEQIP sponsored online STTP on Cyber Threat Intelligence and Digital Forensics on 4th March 2021 at Sardar Vallabhbhai National Institute of Technology, Surat(SVNIT).

Dr. G. Rajesh Babu, Associate Professor, delivered a talk on "Evidence Based Investigation and Effective Prosecution of Crime against Women", during an event organized by the Ministry of Home Affairs, Govt. of India on 8th March 2021.

Dr. Digvijaysinh Rathod, Associate Professor and Associate Dean, School of Cyber Security and Digital Forensics, NFSU delivered a talk on "Mobile Application Security Pen-Testing" on 27th April 2021 in a week-long national online workshop on "Recent Trends in Cyber Security and Forensics" organized by National Institute of Technology, Tiruchirappalli.

Dr. Deepak Rawtani, Associate Dean at School of Pharmacy participated in a day long brainstorming session on Gujarat's Nano Mission' organized by Gujarat Council on Science & Technology (GUJCOST) on 29th April, 2021.

Ms. Neha Jain, Junior Research Fellow (Chemistry) at the Delhi Campus of NFSU delivered a lecture on Forensic Toxicology to the PG Diploma Course on Crime Investigation, Medical Jurisprudence and Forensic Science under the Centre for Research in Criminal Justice, organised by Maharashtra National Law University (MNLU), Mumbai, on 17th April, 2021.

Mr. Raihan Patel, Mr. Ramya Shah and Mr. Pratik Patel, the Assistant Professors from the School of Cyber Security and Digital Forensics, NFSU, delivered expert talks on various topics of forensics, during online training conducted for Dy SPs and above ranked police officers at CAPT (Central Academy for Police Training), Bhopal on 26th April, 2021.

Dr. Priyanka Kakkar, Asst. Professor, SBS, NFSU delivered a talk on 'MLA and APA Referencing Style Guide: An Orientation' at Indian Institute of Teacher Education, Gandhinagar on 20th March, 2021. She also delivered a talk on "Digital Crimes & the Associated Psychology" in a 5-Day Faculty Development Program on "Pedagogy, Learning & Effective use of Forensic Science in Criminal Investigations" organised by Sage University, Indore on 24th March, 2021. Later she made a Keynote Address on "Mental Health Education in School Curriculum in India" at a conference on Public Health jointly organized by Navrachna University, Vadodara and the Zukerman College of Public Health, USA from 24-26 March 2021.

Dr. Surbhi Mathur, Sr. Asst. Professor at School of Forensic Science, delivered an invited talk on "Forensic Analysis of CCTV/Video Evidence" during CCTVR Webinar 2021 organized by Centre of CCTV Research, Bengaluru on 22nd April, 2021 and an invited talk on "CCTV Forensics for detection and prevention of crime" during Faculty Development Programme on Interdisciplinary Research in Forensic Science organized by Galgotias University, Greater Noida on 19th February, 2021

Dr. Mahesh Vasava, Assistant Professor at School of Pharmacy, NFSU has presented his research work on 'Novel 1, 4-dihydropirano [2,3-c]pyrazol derivatives; biological evolution and computational study' at International e-conference at Nirma University, Ahmadabad on 18th-19th March 2021.

Dr. Priyanka Kakkar, Asst. Professor, chaired a Technical Session in the Webinar, "Application of Forensic Psychology in Clinical Diagnostics Behaviour" organized by Rabindrik Psychotherapy Research Institute Trust on 28th March 2021.

Mr. Vishal Kumar Parmar, Assistant Professor, SBS, NFSU, delivered an Expert Talk on "Mental Health and Wellness" during the event "Mental Health and Wellness during Covid-19 Pandemic" organized by Frendy E Commerce Online.

Ms. Krupa Nishar, Assistant Professor, SBS, delivered a Tedx Talk on 'Detection of Deception' during Tedx event organized by DSB International School at Mumbai and uploaded on the official Youtube Channel of TED on 12th March 2021.

PUBLICATION OF BOOKS / CHAPTERS / PAPERS

Air Commodore K.R. Thaakar, Dean, School of Police Science & Security Studies, NFSU has published a research article in collaboration with Dr. Dalbir Ahlawat, Senior Lecturer at Macquarie University of Sydney, Australia titled 'Kashmir Imbroglio Resolved : Strategic Options for Pakistan' in the Spring Issue 2021 (Vol. 4 No. 2) of 'The Journal of Indo-Pacific Affairs' published by the U.S. Air Force in March 2021.

A research paper titled, 'Drone Forensics: A Way Ahead' authored by Dr. Naveen Kumar Chaudhary, Professor and Dean, School of Cyber Security and Digital Forensics at NFSU, was presented in the 9th INTERPA Conference, held in virtual mode at Turkey. It has been selected for inclusion in the conference proceedings in April 2021.

Dr. Deepak Rawtani, Associate Dean at School of Pharmacy, and Mr. Pratik Kulkarni and Dr. Tejas Barot, Research Scholars at NFSU, published a research article on 'Design, development and in-vitro/in-vivo evaluation of intranasally delivered Rivastigmine and N-Acetyl Cysteine loaded bifunctional niosomes for applications in combinative treatment of Alzheimer's disease' in European Journal of Pharmaceutics and Biopharmaceutics (Impact Factor: 4.604) in March 2021.

Dr. Prasenjit Maity, Associate Dean at School of Engineering and Technology, NFSU and Mr. Bhavesh Agrawal, Research Scholar at NFSU have published a research article on 'Efficient synthesis of a new heterogeneous gold nanocatalyst stabilized by di-alkyne ligand and its applications for photocatalytic dye degradation and transfer hydrogenation reaction' in Journal of Nanoparticle Research' (Impact Factor 2.13) in March 2021.

Dr. Hemen Dave, Assistant Professor at School of Pharmacy, published a research article in collaboration with Ms. Priyanka Pareek and Dr. Lalita Ledwani, Manipal University, Jaipur on 'Microwave assisted modification of graphene oxide: Characterization and application for adsorptive removal of cationic dye' in 'Materials Today: Proceedings' in March 2021.

Dr. Deepak Rawtani, Associate Dean at School of Pharmacy, Mr. Gaurav Pandey, Ms. Maithri Tharmavaram, Research Scholars at NFSU, Ms. Yogita Bhoj, and Ms. Anjali Bhoj have published a research article on 'Recent advancements in practices related to desalination by means of nanotechnology' in 'Chemical Physics Impact' of April 2021.

Dr. Haresh Barot, Associate Dean, School of Management Studies has published research paper on "Consumer preference towards online payment" SCOPUS Indexed, International Journal of Management (IJM), in Jan 2021.

Dr. Priyanka Kakkar, Sr. Asst. Professor, SBS along with Bhakta, R. and Chhabra, have published an article on "Pornography a Substitute for Prostitution: Keys to Deal with Malevolence" in GAP Indian Journal Of Forensics and Behavioural Sciences (ISSN – 2582-8177) in Dec 2020.

Dr. Deepak Rawtani, Associate Dean at School of Pharmacy and Dr. Tejas Barot and Mr. Pratik Kulkarni, Research Scholar at NFSU have published a research article on 'Nanotechnology-based materials as emerging trends for dental applications' in Reviews on Advanced Materials Science (Impact Factor: 1.197), April 2021.

Dr K P S Kushwaha, Senior Faculty (Human Biology), Dr Tanya Chauhan, Assistant Professor (Molecular Biology) and Ms. Lalita, Ex-student, NFSU Delhi Campus (LNJN NICFS) have published a research article in collaboration with R. K. Kumawat, SSO, State Forensic Science Laboratory, Jaipur, Shivani Dixit & Pankaj Shrivastava of State Forensic Science Laboratory, Sagar on "Genetic Variation of 20 Autosomal STRs in Jats belonging to Delhi, India" in the issue 135 (3) of International Journal of Legal Medicine (Impact factor -2.22) in April 2021.

Priyanka Kacker, Sr. Asst. Professor, SBS, NFSU along with P. Nalawade have published an article on "Bullying and Risk of Suicidal Tendencies among Adolescence" in 'GAP Indian Journal of Forensics and Behavioural Sciences' in Dec 2020.

Dr. Mahesh Vasava, Assistant Professor at School of Pharmacy, NFSU has published a research article in collaboration with Dr. Faruk Qureshi, Shital Thacker, and Dr. Sandip Gamit on "Determination of various physico chemical parameters and water quality index of the Sabarmati River of the Ahmedabad" in a book Ecology Research published by Bhumi publication in March 2021.

Priyanka Kacker, Sr. Asst. Professor, SBS, NFSU along with D. Shukla and V. Kushwah has published an article on "Forensic Aids to Crime Scene Investigation: An Exploration", NCRB Journal in Dec 2020.

Dr. Digvijaysinh Rathod, Associate Professor, School of Cyber Security and Digital Forensics along with Abhinav Shah, and Dharmesh Dave published a paper "DDoS Attack Detection Using Artificial Neural Network" in the Springer International Conference on Computing Science, Communication and Security (COMS2)-2021 held on 6th-7th Feb 2021.

Ms. Mansi Patel, Wg Cdr S Raja Prabhu students at NFSU along with Wg Cdr (Dr.) Animesh Kumar Agrawal, Associate Professor at NFSU have presented a research paper on 'Network Traffic Analysis for Real-time Detection of Cyber Attacks' in '8TH International Conference on Computing for Sustainable Global Development (IEEE Conference INDIACOM-2021)' held between 17-19 Mar 21 and organised by Bharati Vidyapeeth, New Delhi.

Ms. Pavni Parghi, Mr. Rishi Dhameja students at NFSU along with Wg Cdr (Dr.) Animesh Kumar Agrawal, Associate Professor at NFSU have presented a research paper on 'INNOVATIVE APPROACH TO ONBOARD MEDIAFORENSIC OF DRONES' in 5th International Conference on Information and Communication Technology for Intelligent Systems (Springer Conference ICTIS-2021)' held on 23-24 Apr 21 and organised by Global Knowledge Research Foundation, Ahmedabad.

Wg Cdr S Raja Prabhu student at NFSU and with Wg Cdr (Dr.) Animesh Kumar Agrawal, Associate Professor at NFSU have presented a research paper on 'ENHANCED SECURITY OF WINDOWS EXECUTABLES FOR INTELLIGENT SYSTEMS' in 5th International Conference on Information and Communication Technology for Intelligent Systems (Springer Conference ICTIS-2021)' held on 23-24 Apr 21 and organised by Global Knowledge Research Foundation, Ahmedabad.

Ms. Samruddhi Raut, Wg Cdr S Raja Prabhu students at NFSU along with Wg Cdr (Dr.) Animesh Kumar Agrawal, Associate Professor at NFSU have presented a research paper on 'ENSURING SMARTPHONE SECURITY THROUGH REAL TIME LOG ANALYSIS' in 'International Conference on Smart Data Intelligence (Elsevier-SSRN Conference ICSMDI 2021)' held on 29-30 Apr 21 and organised By Kongunadu College of Engineering and Technology, Trichy.

ACHIEVEMENTS

COPYRIGHTS ON VIRTUAL RECONSTRUCTION OF INCINERATED FRAGMENTED DENTAL REMAINS



While dental identification of human remains has always played an important role in major disasters, however, at higher temperatures, the teeth fracture, making manual handling and restoration of teeth a problem for any analytical technique. In order to address this problem, Dr. Gargi Jani, Project Manager, and Dr. Abraham Johnson, Assistant Professor from the School of Forensic Science at NFSU, undertook a series of investigations using 3D technology to virtually reconstruct the incinerated dental remains with precision and the reassembly was then 3D printed for additional morphological and metric study. Based on these findings, the researchers devised the processes to be followed in a laboratory setting. As a result, on 10th February 2021, they were successful in getting Copyrights from the

Copyright Office, Government of India for their work named "Procedure for Virtual Reconstruction of Incinerated Fragmented Dental Remains in Forensic Context."

In recognition, Dr. Gargi Jani and Dr. Abraham Johnson were felicitated on 12th March 2021 by the Hon. Vice-Chancellor, NFSU Dr. J. M. Vyas. Campus Director, Prof. (Dr.) S.O. Junare and the Dean of School of Forensic Science, Dr. Dharmesh Silajiya were also present along with number of faculty and students. Addressing the gathering, Dr. Vyas said that it is a matter of pride that both the researchers have been the students of NFSU and have now achieved a significant milestone towards the real world use of 3D technology. He appreciated the efforts and informed that any good research work in future will also be recognised. Prof. (Dr.) Junare informed that besides recognition, their work will also be published in the Research Journal of NFSU which is being launched shortly.

COPYRIGHTS ON FORENSIC FACIAL RECONSTRUCTION



Forensic facial reconstruction, also known as facial approximation, is a forensic technique that assists in identification by recreating a victim's face characteristics from the skull. A combination of both, scientific methods and artistic skills, could be used in forensic investigation where conventional identification techniques are not useful and only limited information is available. Dr. Arjun Kudu, a Research Scholar of NFSU, worked with Dr. Abraham Johnson, Assistant Professor, to carve several faces utilising traditional approaches through Anatomical and Tissue depth methods, employed 3D technology to virtually recreate the face and formulated a checklist and several forms that could be used in the laboratory for creating a face from the skeletal component. As a result, on

5th April 2021, they were successful in obtaining Copyrights from the Copyright Office, Government of India for their work titled "Checklist for Forensic Facial Reconstruction." NFSU's Forensic Odontology laboratory has a special facility for forensic face reconstruction - the first of its kind in the country - where both manual and digital techniques for craniofacial analysis, face visualization, and forensic art are available.

COPYRIGHTS ON DENTAL RECORD MAINTENANCE

Dr Dhvani Patel, Assistant Professor of Forensic Odontology at NFSU, has prepared guidelines for dental record maintenance in India. The main purpose in establishing these guidelines is to achieve uniformity in dental record taking and maintaining in India. This standardisation will not only help in dental negligence and malpractice cases but also in solving forensic odontology cases in form of availability of AM records. As a result she has successfully obtained copyrights from the Copyright Office, Government of India for her work titled "Guidelines for Dental Record Maintenance in India".



SELECTION OF NFSU FACULTY IN HIGH LEVEL EXPERT COMMITTEE OF UGC ON CYBER SECURITY

Prof.(Dr.) Naveen Kumar Chaudhary, Professor and Dean, School of Cyber Security and Digital Forensics, has been appointed as member of the high level 5- member Expert Committee constituted by the Chairman, University Grants Commission (UGC) for developing an ecosystem for Cyber Security in Higher Education Institutions in India.

AWARD OF CERTIFICATE FOR RECOGNITION TO NFSU FACULTY

Dr. Priyanka Kacker, Sr. Asst. Professor, School of Behavioural Science has received a Certificate for Recognition from AKS Education Award 2020 for extraordinary teaching acumen, unstoppable educator's spirit, remarkable professional skills & contribution in the field of education on 4th April 2021.

RESEARCH EXCELLENCE AWARD TO NFSU FACULTY

Dr. Surbhi Mathur, Sr. Asst. Professor at School of Forensic Science, NFSU, was honoured with "Research Excellence Award" from Institute of Scholars, registered under the Ministry of MSME, Government of India, in February 2021.

THEY LEFT US FOREVER...

Past few months have been very hard for the NFSU as number of valuable 'Foot Soldiers' left us forever. The Hon. Vice Chancellor and the entire staff of the National Forensic Sciences University pays humble tribute to their invaluable contribution and prays for granting eternal peace to these noble souls.



Late Dr. J S Mansuri, Senior Faculty and Head of Centre of Excellence for Narcotic Drugs & Psychotropic Substances at NFSU, was a forensic chemistry expert. After serving at Directorate of Forensic Science of Gujarat for long years, he had retired as Dy Director at Forensic Lab of Rajkot and later joined GFSU in 2019. A dedicated forensic expert and a divine soul, he left for heavenly abode, fighting COVID 19, at Ahmedabad on 12th May 2021. Om Shanti !



Late Shri Kumar Shah, PRO & Estate Manager of NFSU, earlier served in the Directorate of Forensic Science of Gujarat as a crime photographer and later in the GFSU / NFSU since its inception in 2009. A very experienced and dedicated worker, he passed away after battling COVID 19 on 7th May 2021. Om Shanti !



Late Shri NK Parmar, popularly called Hariom Kaka, served as a peon, first in the Directorate of Forensic Science of Gujarat, and later in the GFSU since its inception. A very dedicated and likeable person, serving in the office of the Vice Chancellor, he suddenly passed away while on duty at NFSU on 17th February 2021 due to old age. Om Shanti !



Late Shri Dhirajlal Dave, a Private Security Officer of M/S Gaurav Security Pvt Ltd, had been serving at NFSU since 2014, initially as a Security Supervisor and later as a Security Officer since 2019. A very dedicated security staff, he left for heavenly abode after a long battle with COVID 19 on 15th April 2021. Om Shanti !



Late Shri Rakesh R. Dantani was a Private Security Guard of M/S Gaurav Security Pvt Ltd deployed at NFSU since Sep 2019. A young and energetic security staff, he passed away, fighting COVID 19 on 1st May 2021. Om Shanti !

FOUR NEW SCHOOLS AT NFSU

NFSU continues to take strides in multiple directions to expand its horizon in the newer areas as a result of the strategic vision of its founder Vice Chancellor and the country's senior-most Forensic Scientist, Dr. J. M. Vyas. As a part of this vision, Hon. Vice Chancellor has established four new schools as follows :-

School of Medico-Legal Studies

School of Forensic Psychology

School of Legal Studies, Forensic Justice and Policy Studies

School of Police Science & Security Studies

“ Police, Forensic Science and Judiciary are an integral part of the Criminal Justice Delivery System. In any country, the stronger these three organs are, the safer the citizens of that country would be. ”



National Forensic Sciences University

Knowledge | Wisdom | Fulfilment

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

