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

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A NATIONAL FORENSIC SCIENCES UNIVERSITY NEWSLETTER

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FROM THE FREEDOM MOVEMENT...

HON. HOME MINISTER LAYS FOUNDATION AT LUCKNOW FOR FORENSICS INSTITUTE AFFILIATED TO NFSU



On 1st August 2021, Hon'ble Union Home Minister, Shri Amit Shah laid the foundation stone of the Uttar Pradesh State Institute of Forensic Sciences (UPSIFS) at Lucknow affiliated to the NFSU. The Institute would conduct graduation, P.G. and Ph.D. courses for the students in the fields of Forensic Science, Behavioural Science, Civil & Criminal Law, Police Science, Criminology and related areas. It will also train scientists working in forensic labs and police personnel by developing professional skills for scientific investigation of cases of complex crimes. A Centre of Excellence for DNA would also be established and run by the NFSU on a five acre land within the campus of the Forensic Sciences Institute. This Center of Excellence will be the most advanced centre in the country and will help in developing the latest technology and research in the field of DNA testing. Speaking on the occasion of foundation stone laying ceremony at Piparsand in Lucknow, Shri Amit Shah said that this first-of-its-kind institution would pave the way for research and modernisation of policing in the country. He further added that the Centre of Excellence for DNA would be the country's most advanced research centre.

On this occasion, a MoU in this regard was signed between the Government of Uttar Pradesh and NFSU by the Addl. Chief Secretary of Home Department, Govt. of U.P., Shri Awanish Awasthi and the Hon'ble Vice Chancellor of NFSU, Dr. J.M. Vyas. Besides these dignitaries, the event was attended by the Hon'ble Chief minister of U.P. Yogi Adityanath, Hon'ble Deputy C.M. Shri Keshav Prasad Maurya, Hon'ble Deputy C.M. Dr Dinesh Sharma, DGP Shri Mukul Goel IPS, ADGP Technical Services, Shri Sandeep Salunkhe IPS, Campus Director of NFSU's Gujarat Campus, Prof. (Dr.) S.O. Junare and number of senior officials.

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IMPORTANT EVENTS

NFSU CELEBRATES 75TH INDEPENDENCE DAY



NFSU celebrated the 75th Independence Day with traditional fanfare and enthusiasm. Dr. J.M. Vyas, Hon'ble Vice Chancellor of NFSU, hoisted the national flag while the Gujarat Police contingent presented the national salute with a guard of honour. All the faculty members, staff and students residing in the hostel attended the event, mostly in traditional and national dress with veterans proudly wearing their medals. Speaking on the occasion, Hon'ble Vice Chancellor congratulated all the personnel on this auspicious occasion and conveyed Independence Day Greetings to each one and their families. He began with the importance of a national flag and explained that this flag is indicative of a nation - saluting the national flag is akin to respecting our nation. He reminded everyone about innumerable countrymen who had dedicated their life towards gaining independence, and urged all to always remember that the fruits of freedom we are enjoying today is a result of their sufferings and sacrifices. He also informed everyone that having gained the independence, it is equally important to respect those who are ensuring our continued freedom - the soldiers and the veterans who have devoted their entire life in the service of the motherland. Going a step further, Dr. Vyas said that to serve the nation, one need not necessarily join the forces – performing one's task wholeheartedly with honesty and sincerity, is also a service to the nation! With this, he exhorted everyone to work hard with dedication which will not only be the service to the country but will also take the NFSU far ahead. He concluded by once again conveying good wishes to everyone. The event was conducted by Ms. Manika Gupta, Research Scholar of NFSU. This was followed by a group photograph with the staff and students. The event came to an end with refreshment for all.

INDEPENDENCE DAY CELEBRATION AT DELHI CAMPUS OF NFSU

75th Independence Day was celebrated at Delhi Campus of NFSU (erstwhile LNJN-NICFS) at its Rohini campus. All the faculty members and the staff attended the event. CISF detachment at the campus presented national salute and organized the flag hoisting which was conducted by the Campus Director, Prof. S. K. Shukla. On this occasion, Prof. Shukla spoke about the sacrifices and pain suffered by the freedom fighters to gain independence and appealed to everyone to remember the sacrifices of freedom fighters and remain grateful to them. Thereafter, Joint Registrar, Air Commodore R. N. Gaekwad gave the vote of thanks. At the end of the event, everyone joined for refreshment.



FRENCH HOMELAND SECURITY ATTACHE VISITS NFSU



Mr. Fabrice Cotel, Homeland Security Attaché of French Embassy in India, visited NFSU on 15th July 2021. Dr. J.M. Vyas, Hon'ble Vice Chancellor of NFSU briefed him in detail about the expertise, facilities, academics, research and consultancy being provided by the university. Subsequently, Mr. Fabrice Cotel also gave a presentation on the forensic science arrangements in France and outlined the areas of interest. Later, he visited the Ballistics Testing Range, Centre of Excellence for NDPS, Forensic Odontology laboratory, Forensic Psychology laboratory and Cyber Defence Centre. He identified number of areas of mutual interest such as collaboration, research and training in different fields. Besides the Hon'ble Vice chancellor, others who participated in the interaction were Prof. (Dr.) S. O. Junare, Campus Director; Shri C.D. Jadeja, Executive Registrar; Shri H.P. Sanghvi, Additional Director of Gujarat's Department of Forensic Science; Prof (Dr.) Naveen Kumar Chaudhary Dean of School of Cyber Security & Digital Forensics; Air Commodore K.R. Thaakar, Dean of School of Police Science & Security Studies and Air Commodore R.N. Gaekwad, Head of Centre of Futuristic Defence Studies.



ACTIVITIES

NFSU CO-HOSTS INTERNATIONAL CONFERENCE ON CRIMINOLOGY & FORENSIC SCIENCE



3rd International Conference on Criminology and Forensic Science in the Global South was organized by University of Dhaka, Bangladesh in collaboration with National Forensic Sciences University, India and Ryukoku University, Japan on 8th August - 9th August 2021. It was inaugurated by Dr. A. S. M. Maksud Kamal, Vice Chancellor (Education), University of Dhaka and Professor, Department of Disaster Science and Management, University of Dhaka, Bangladesh. Hon'ble Vice Chancellor of NFSU, Dr. J.M. Vyas delivered a Key Note Speech on 'Forensic Science Challenges in Indian Subcontinent Region and Way Ahead'. He spoke on the role of Forensics that it can play in this region to strengthen the criminal justice delivery system. Other prominent speakers in the conference were Prof. (Dr.) Kerry Carrington from School of Justice at Queensland University of Technology, Australia, Dr. Zia Rahman, Prof. & Founder Chairman, Dept. Of Criminology, University of Dhaka and Prof. (Dr.) Shinichi Ishizuka, Director of Criminology Research Center at Ryukoku University, Japan. During the conference, NFSU faculty comprising Prof (Dr.) Naveen Kumar Chaudhary, Dean of School of Cyber Security & Digital Forensics, Air Commodore K.R. Thaakar, Dean of School of Police Science & Security Studies (SPSSS), Mr. Keval Pandya, of SPSSS, and Dr. G. Rajesh Babu, Centre Head, International Centre for Humanitarian Forensics and Associate Dean, School of Medico Legal Studies, gave expert talks. Prof. (Dr.) S. O. Junare, Campus Director of NFSU, who was the Guest of Honour in the Concluding Session, appreciated the work done by the University of Dhaka and their organising team to make this event successful wherein more than 200 participants participated in a virtual mode.





CBI TEAM VISITS NFSU

CBI team visited NFSU on 24th August 2021. The team was led by Shri Ajay Bhatnagar IPS, Addl. Director of the CBI and comprised Joint Director Shri Pankaj Srivastava IPS, Joint Director Ms. Sampat Meena IPS, DIG (Training) Shri Mohit Gupta IPS and PI Shri Mukesh Kumar. Dr. J.M. Vyas, Hon'ble Vice Chancellor of NFSU welcomed the team and briefed them in detail about the academics, research, training courses, collaborations and consultancy being provided by the university. The team expressed desire to collaborate with NFSU in different fields for training, research and undertaking joint projects. Subsequently, the team visited the Ballistics Testing Range, Forensic Psychology laboratory and Cyber Defence Centre. Besides the Hon'ble Vice chancellor, the NFSU team consisted of Prof. (Dr.) S.O. Junare, Campus Director; Prof (Dr.) Naveen Kumar Chaudhary, Dean of SCSDf; Dr. Dharmesh Silajiya, Dean of SFS and SMLS; Air Commodore K.R. Thaakar, Dean of SPSSS and SFP, and Prof. (Dr.) Purvi Pokhariyal, Dean of SLFJPS.



VACCINATION DRIVE FOR INTERNATIONAL STUDENTS

In view of Covid-19 pandemic, the Centre for International Relations (CFIR) at NFSU organised a vaccination drive at the Gandhinagar Campus of NFSU on 2nd August 2021. Covid-19 Vaccination Programme was organized specially for NFSU international students and staff members. It was conducted in coordination with GMERS Medical College, Gandhinagar in which around 80 international students and staff members were given 1st or 2nd dose of Covishield vaccine as per their vaccination schedule. Prof. Naveen Chaudhary, Head of CFIR and Dr. Dharmesh Silajiya, Dean of SFS coordinated the vaccination programme.

KNOWLEDGE SHARING

MoU WITH SUPER RECOGNIZERS INTERNATIONAL, UK

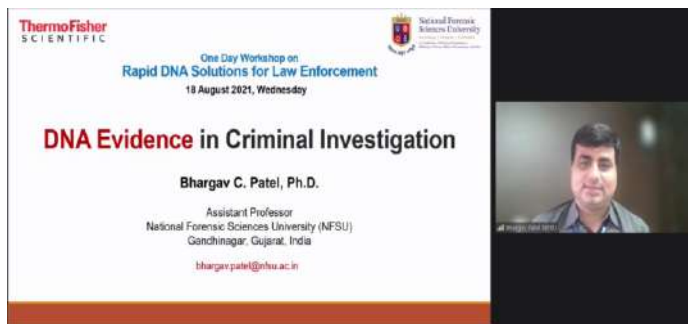


Super recognizer are individuals who possess an uncanny knack in remembering the facial features of a person even if they have met them briefly. This exceptional skill of recognizing people can be developed to apprehend criminals. This technique is both, unique and unknown to the existing Indian investigative agencies.

A MoU was signed between Super Recognizers International, UK and NFSU on 7th July 2021. This MoU will lead to introduction of a unique course to identify and train individuals with innate cognitive abilities to be super recognizers who in turn, can be useful in identifying suspects captured on CCTV or any other recording device. Dr. J.M Vyas, Hon'ble Vice Chancellor of NFSU, expressed his appreciation on introducing and implementing this new approach that will revolutionize and impact the field of forensic science and the society at large. The MoU was signed by Mr. Mike Neville, CEO of Super Recognizers International, UK and Prof. (Dr.) S.O Junare, Campus Director of NFSU at Gandhinagar. This collaboration was initiated by Dr. Surbhi Mathur, Forensic Multimedia expert and Senior Assistant Professor of NFSU, duly assisted by Ms. Kritika Sood and Ms. Ujaala Jain, both Research Assistants at NFSU.

WORKSHOPS / SEMINARS / CONFERENCES

WORKSHOP ON RAPID DNA SOLUTIONS FOR LAW ENFORCEMENT



As a part of the activity of "NFSU-Thermo Fisher Center of Excellence in DNA Forensics," a first collaborative workshop was virtually organised jointly by Thermo Fisher Scientific and NFSU on 'Rapid DNA Solutions for Law Enforcement' on 18th August 2021. Dr. J.M Vyas, Hon'ble Vice Chancellor of NFSU delivered the inaugural address encompassing the significance and impact of DNA solutions. This was followed by Dr. Bhargav Patel, Senior Assistant Professor of NFSU, who discussed the fundamental principles of DNA and its significance as a evidence at a crime scene. He was

followed by the global speakers, Mr. Tim Schellberg, Director Fred Haran, Detective Sergeant Glenn Vandergrift and Col. Andrea Berti. Mr. Tim and Col. Andrea provided insights into Rapid DNA technology regulations including how Rapid DNA technology is implemented in Italy. With their experience, Director Fred and Detective Sergeant Glenn enlightened on how Rapid DNA process at the police stations have shown tremendous success in reducing crime rate. A unique feature of the event was that all the workshop sessions were presented in two separate languages, English and Hindi, to make it convenient for the police personnel of India. The quizzes and elaborate Q&A sessions made the event interesting as well as educative. The workshop was attended by more than 250 participants from all over Asia with a significant number from India. In addition, 52 young IPS officers who were at NFSU for a training program, also participated in the event.

UK-INDIA FORENSIC SCIENCES VIRTUAL CONVENTION



UK – India Forensic Sciences Virtual Convention was organized by NFSU in collaboration with the British Deputy High Commission at Ahmedabad on 18th August 2021. Faculty from NFSU participated as experts during the sessions scheduled during the event. Prof (Dr.) Naveen Kumar Chaudhary, Dean of School of Cyber Security & Digital Forensics, participated as an expert for Network Forensics, Dr. Digvijaysinh Rathod, Associate Prof., for Digital Forensics and Dr. Bhargav Patel, Senior Asst. Prof. of NFSU, for Criminal Forensics. A total of 176 participants from Central Forensic Science Labs, State Forensic Science Labs and different Law Enforcement Agencies attended this virtual convention.

WEBINAR ON DIGITAL FORENSICS AND INCIDENT RESPONSE



The School of Management Studies of NFSU organised a webinar on "Digital Forensics and Incident Response" on 23rd July 2021 with Mr. Sudhendu Lenka, Manager-IT & Information Security, Arynasec Lab, Pune as the keynote speaker. Mr Lenka gave valuable insights to the students of DFIR sector on the current trends and techniques and shared practical experience which helped students to understand utilization of their skills in the industry.

WEBINAR ON VULNERABILITY ASSESSMENT & PENETRATION TESTING



A Webinar on "Exploring the VAPT" was organized by the School of Management Studies of NFSU on 6th August 2021. Mr. Mahesh Rakheja, Director of The Techintern, Nagpur, shared his expertise with the students on Information Security and Vulnerability Assessment. The students gained valuable insights on VAPT (Vulnerability Assessment and Penetration Testing), allowing them to enhance their knowledge into practical aspects used in Industries.

WEBINAR ON "CAMPUS TO CORPORATE"



School of Management Studies of NFSU organised a webinar on the subject "Campus to Corporate" on 17th July 2021 as a part of webinar series for students of MBA Hospital & Healthcare Management. The key speaker for the webinar was Mr. Ayaz Ahmed Sheikh, Manager, Tata Consultancy Services (TCS), India. The event was coordinated by Dr. Kalgi Shah, Assistant professor, School of Management Studies.

ORIENTATION PROGRAMME FOR FIRST BATCH OF LAW SCHOOL



A 5-day Orientation Programme was conducted for the first batch of B.Sc. LLB (Hons.) and LLB (Hons.) courses of the newly established School of Law, Forensic Justice & Policy Studies of NFSU from 13th September to 17th September 2021. The event was inaugurated by Hon'ble Vice-Chancellor, Dr. J. M. Vyas in the presence of Campus Director, Prof. (Dr.) S.O. Junare and Executive Registrar Shri C.D. Jadeja. The inaugural ceremony began with a welcome speech by the Dean of the school, Prof. (Dr.) Purvi Pokhariyal who briefed about the university and the courses. As the objective of the Orientation Programme was to acquaint the new students with academic environment of the university and familiarise with Law school policies, processes, practices, culture and values, number of eminent speakers from well-known institutes, industry and the field of law were invited.

Amongst prominent speakers were Mr. Sanjay Chakraborty, Founder of ESSKSEE Consultancy, Ahmedabad; Dr. K. Parameswaram, Associate Prof. GNLU, Gandhinagar; Dr. Digvijaysinh Rathod, Associate Dean, NFSU; Dr. Bishwa Kallyan Dash, Assistant Prof. KIIT, Center for Artificial Intelligence and Law, Cuttack; Dr. Atul Pandey, Associate Prof. at NLIU, Bhopal; Dr. Pavan Duggal, Advocate, Cyber Law, Supreme Court of India; Mr. Ritvik Lukose, CEO and Co-Founder, Vahura,

Delhi; Mr. Ankit Tripathi, Advocate, Ahmedabad; Mr. Subhash Chandra Soni, State Information Commissioner, Gujarat; Dr. Ravikesh Tripathi, Assistant Professor, NFSU; Mr. Rodney D. Ryder, Partner, Scriboard and Adjunct Professor, IIML, Lucknow; and Dr. Shashikala Gupur, Director, SLS, Pune. They shared their experiences with students on various topics. The programme helped the students a great deal in preparing for the chosen courses.

NFSU STUDENTS ORGANISE INTERNATIONAL E-CONFERENCE



In a major initiative, students of NFSU organized a 2-day International Forensic Science e-Conference, all by themselves, on 10th and 11th July 2021 on the theme of empowering forensics which was powered by the Students' Initiative, "The Forensic Corner". The event was supported by number of international organizations such as Bio Forensics Research Center (Italy), The American Investigative Society of cold cases (USA), Gulf Coast Fire (Mandeville, LA), Maastricht University (The Netherlands), University of Turin (Italy), Forensic News Journal Magazine

(Philadelphia, PA USA), European Society of Forensic Science and media partners, Pink Biology (UK) and Indian Forensic Students Council (India). The event was inaugurated by Dr. J.M Vyas, Hon'ble Vice Chancellor of NFSU who appreciated the concept and congratulated the organising students. Speaking on the occasion, Prof. (Dr.) S.O Junare, Campus Director of NFSU, also appreciated this unique initiative by the NFSU students. This was followed by expert talks, guest lectures, quiz competition and oral presentations followed by the distribution of prizes. The e-Conference received around 1800 registrations, 30 odd abstracts for the oral presentation, more than 6000 views on YouTube, and was well appreciated by various experts including the Hon'ble Chief Minister of Gujarat, Shri Vijay Rupani.

TRAINING AND PRESENTATIONS

SPECIAL TRAINING FOR IPS PROBATIONERS AT NFSU



A total of 178 IPS probationers participated in a special training module in Forensic Science conducted in two batches at NFSU. The first batch of 100 IPS probationers attended training at NFSU, Gandhinagar from 9th to 13th August 2021 and the second batch of 78 IPS probationers were trained from 16th to 20th August, 2021. Some of the topics covered during the training were Police Forensic Interface, Forensic Jurisprudence, Investigation of White Collar Crime, Ballistic Identification System, Psychological Techniques of Investigation, Role of Forensic Science in Investigation of Crimes, Emerging Trends in Multimedia Forensics, CCTV Forensics, Dark Net, and Crime Scene Management. At the end of the training capsules, Hon'ble Vice-Chancellor of NFSU, Dr. J.M. Vyas addressed the IPS probationers and wished them bright future.



CYBER SECURITY TRAINING FOR POLICE ACADEMY OF CAMBODIA

National Forensic Sciences University organised a 3-day virtual training programme for the Police Officers of Cambodia on Cyber Security Management from 25 August to 27 August 2021 under the spirit of the signed MoU. Fifteen Cambodian Police Officers who are pursuing Ph.D in Police Science with specialisation in Leadership and Command in Security Affairs at Police Academy of Cambodia, attended this course.

POLYGRAPH TRAINING FOR MALDIVES POLICE OFFICERS



School of Forensic Psychology (SFP) at NFSU conducted a special 5-week training programme on Polygraph for the police officers of Maldives from 5th July to 6th August 2021. Their visit began with detailed interaction with the Hon'ble Vice Chancellor of NFSU, Dr. J.M. Vyas who gave a broad perspective of the prevailing status of forensic science and the role of polygraph in it. This was followed by a discussion with the Campus Director of NFSU's Gujarat Campus, Prof. (Dr.) S.O. Junare who provided an overview on NFSU. In the inaugural function of the course, Air Commodore Kedar Thaakar, Dean of SFP, enlightened the officers with the role and facilities of the school while Mr. Vishal Parmar, Coordinator of the programme, briefed about the conduct of the course. The training programme comprised both, theory as well as practicals in various aspects of Polygraph such as introduction to basics of neuro-physiology of crime, theories, administration of polygraph, approaches to question preparation, scoring, analysis and report writing of polygraph. It was an intense training program where the mock crime scene was constructed and the officers got an opportunity to undergo hands-on training on polygraph. The course was conducted by the faculty of School of Forensic Psychology comprising Dr. Priyanka Kacker, Dr. K.K. Mishra, Dr. Nandita Chaube, Mr. Vishal Parmar and Ms. Krupa

Nishar. Major practical training was also conducted at the Directorate of Forensic Science (DFS) of Gujarat under its expert, Ms. Amita Shukla, Dy. Director at DFS, to understand the in-depth application of the Polygraph system in criminal cases. At the culmination of training, the officers had another interactive session with Dr. J.M. Vyas who later presented them with the certificates. The training was planned by Prof. (Dr.) N.K. Chaudhary, Head of the Centre of International Relations and was coordinated by Mr. R.N. Guna, Deputy Director, Training at NFSU.

TRAINING ON CYBER SECURITY FOR PUBLIC PROSECUTORS OF GUJARAT



NFSU organised a special Training Programme on 'Cyber Crime and Cyber Law Awareness' for Public Prosecutors of Gujarat at Gandhinagar. A total of 267 Public Prosecutors from all over Gujarat attended the training programme in four batches in August 2021. The inaugural session on 23rd August, 2021 was attended by Shri D. M. Vyas, Secretary and R.L.A., Gujarat State; Shri J. G. Rajput, Dy. Director, Directorate of Prosecution, Gujarat State; Shri B. M. Tank, Dy.SP-CID (Crime), Gujarat Police; Prof. (Dr.) S. O. Junare, Campus Director, NFSU and Shri R. N. Guna, Dy. Director (Training) at NFSU.

TRAINING COURSES BY DELHI CAMPUS OF NFSU

As a part of National Mission for Safety of Women launched by Govt. of India, Delhi Campus of NFSU conducted four online courses on Forensic Examination in Sexual Assault Cases during July and August, 2021, in which 91 officers from Medical, Judiciary, Prosecution, Police and Forensic Scientists participated. Similarly, online Induction Course in Forensic Science was conducted from 9th to 13th August 2021 in which 10 newly recruited Judicial Officers and Prosecution Officers participated. During the course, application and latest advances in Forensic Science was deliberated. Delhi Campus of NFSU also conducted online course on "Forensic Science and Forensic Medicine" from 2nd to 13th August 2021. 36 participants including Judicial Officers, Prosecuting Officers, Police Officers, Defence personnel and Forensic Scientists participated in the course.

CERTIFICATION COURSE ON VIDEO SURVEILLANCE SYSTEMS

A 5-day Certification Course on 'An Overview of Video Surveillance Systems' was jointly organized for the first time by Centre of CCTV research, RV College of Engineering, Bengaluru and NFSU from 30th August to 3rd September 2021. The course mainly focused on Video Surveillance Systems, Video Footage Auditing, Video Analytics, Communication and Networking Aspects in CCTV installation, AI on the Edge, CCTV Forensics, etc. Students and faculty members of various academic and technical institutions as well as industry members attended in large number. The course witnessed the experts from industry and academia delivering the talk and sharing their experiences with the participants. While Dr. J.M Vyas, Hon'ble Vice Chancellor of NFSU, advised on the overall conduct of the course, Prof. (Dr.) S.O Junare, Campus Director of NFSU, delivered the inaugural talk. Dr. Surbhi Mathur, Forensic Multimedia expert and Senior Assistant Professor at NFSU, coordinated the entire course along with other faculty members of RVCE, Bengaluru.

EXPERT TALKS BY NFSU FACULTY

Prof (Dr.) Naveen Kumar Chaudhary, Dean of School of Cyber Security & Digital Forensics at NFSU, delivered an expert talk on 'Advanced Digital Forensic Investigation Approach' at the 3rd International Conference on Criminology & Forensic Science in the Global South organized by University of Dhaka, Bangladesh in collaboration with NFSU and Ryukoku University, Japan on 8th August 2021.

Air Commodore K.R. Thaakar, Dean of School of Police Science & Security Studies (SPSSS) at NFSU and Mr. Keval Pandya also from SPSSS, gave a joint presentation on 'Solutions for Technological Advancements in Policing for South Asian Nations' at the 3rd International Conference on Criminology & Forensic Science in the Global South organized by University of Dhaka, Bangladesh in collaboration with NFSU and Ryukoku University, Japan on 9th August 2021.

Dr. G. Rajesh Babu Associate Prof. at School of Forensic Science, delivered an expert talk on the topic 'A New Paradigm in Forensic Dactyloscopy: Microscopic and Molecular Analysis of Fingerprints for the Identification of Criminals' at the 3rd International Conference on Criminology & Forensic Science in the Global South organized by University of Dhaka, Bangladesh in collaboration with NFSU and Ryukoku University, Japan on 9th August 2021.

Dr. G. Rajesh Babu, delivered an expert session as a resource person in the International E-Conference in Forensic Sciences organised by the students, on the topic of 'Non Destructive Methods and Non Invasive Procedures in the Contemporary Scientific Investigation of Crimes' on 11th July 2021.

Dr. G. Rajesh Babu, Associate Professor, School of Forensic Sciences, delivered an expert session as a resource person in the training program conducted online for the newly recruited scientific officers of Andhra Pradesh State Forensic Sciences Laboratory on the importance of Forensic Physical Sciences in Criminal Investigations on the 3rd August 2021.

Dr. Rakhi Agarwal, Associate Professor at School of Forensic Science, delivered a talk as Expert on "Amalgam of Forensic and Clinical Toxicology: Need of the Hour" during International Forensic Science e-Conference on Empowering Forensic Science organized by the students of NFSU, India on July 10, 2021.

Dr. Digvijaysinh Rathod, Associate Dean of School of Cyber Security & Digital Forensics, conducted online Expert Talk on "Role of write blocker and imaging in Digital Forensic Investigation (hands-on)" on 10th August 2021 in the Faculty Development Program organized by the Ramaiah Institute of Technology, Bengaluru.

Dr. Digvijaysinh Rathod, Associate Dean of School of Cyber Security & Digital Forensics, conducted expert talk on "Introduction to Cyber Forensics" on 16th August 2021 in a workshop on "Cyber Crime, Cyber Forensics and Law" organized by GNLU and NFSU.

Dr. Surbhi Mathur, Senior Assistant Professor at School of Forensic Science, delivered an invited talk on "Insight, opportunity and challenges in multimedia forensics" at an International Webinar on Forensic Science: Insights, Prospects and Challenges (IWFS-2021), organized by Jharkhand Raksha Shakti University on 19th June 2021.

Dr. Surbhi Mathur, Senior Assistant Professor at School of Forensic Science, delivered an invited talk on 'CCTV Forensics: Research Prospects' during online certification programme organized by Centre of CCTV Research, Bengaluru from 31st August, 2021 to 3rd September, 2021.

Dr. Deepak Raj Rao G., Asst. Professor at Cyber Forensics, NFSU Delhi Campus, delivered an 'Expert Talk' on 'Information Security, Cyber Forensics and IT Act' during the 'Course on Cyber Security and Forensics' organized by Signal Training School of BSF at Tigri at Delhi on 26th & 27th July 2021.

Dr. Priyanka Kacker, Assistant Professor at School of Forensic Psychology was invited as a Keynote Speaker on 'Neuro Signature Profiling of Victims of Domestic Violence' and participated as a member of "Scientific Committee" at the 7th International e-Conference on Forensic Psychology conducted by International Association of Scientists & Researchers on 24th – 25th July 2021.

Dr. Priyanka Kacker, Assistant Professor at School of Forensic Psychology gave an Expert Talk on topic "The Neuropsychology of Crime & its Prevention" in UGC sponsored 2nd Online Refresher Course in Social Science planned by UGC-HRDC, Gujarat University, Ahmedabad on 20th Aug 2021.

Dr. Kalgi Shah, Assistant Professor, School of Management Studies, was invited as a resource person in UGC sponsored 2nd Online Refresher Course in Commerce & Management on the topic, "Role of Forensic Science in Corporate Frauds" from 16th August to 29th August 2021, planned by UGC-HRDC, Gujarat University, Ahmedabad.

Dr. Biswajit Dey, Assistant Professor at School of Behavioural Science, delivered a guest lecture on the topic 'Brief Cognitive Therapies in Clinical Practice' on 29th July, 2021 during an Online Intensive Training Programme on Rational Emotive Behaviour Therapy, a pioneering cognitive behavioral therapy (CBT) developed by the famous Psychologist Albert Ellis. The online event was organized by Mental Health Action by People (MAP), Chandigarh.

Dr. Tanya Chauhan, Assistant Professor (Molecular Biology), Delhi Campus of NFSU, delivered a talk on "DNA profiling in Individual Identification" on 2nd August and 9th August, 2021 for Judicial Officers, Prosecuting Officers, Police Officers, Defence personnel and Forensic Scientists from all over the country.

PUBLICATION OF BOOKS / CHAPTERS / PAPERS



FACULTY FROM DELHI CAMPUS OF NFSU PRESENTS BOOK TO HON'BLE MINISTER OF STATE

Noted scholars in Criminal Behaviour and Criminal Justice, Dr. Minakshi Sinha, Dean Academics and Associate Professor of Criminology at the Delhi Campus of NFSU, and Prof B N Chattoraj have co-authored a book, 'Organised Crime', published by Selective & Scientific Books, New Delhi. (2021, ISBN: 9788189128883). The book covers history of organised crime, its development, changing Modus Operandi, ramifications and critical analysis. It has been well received and appreciated by the Defence Minister, Shri Rajnath Singh. Recently, Dr. Minakshi Sinha presented the book to Dr. Jitendra Singh, Minister of State for Prime Minister's Office.

Dr. Supriya Krishna, Senior Scientific Assistant at School of Forensic Science at Delhi campus of NFSU, published a research article on 'Study of Toxicological profile of victims of completed suicide by hanging in South and South-East Delhi, India' in the '13/1' of 'Journal of South India Medico-legal Association'.

Ms. Jyoti Pal, Junior Scientific Assistant Delhi campus of NFSU, has published a review article in collaboration with Ms. Hemlata Sharma, Ph. D. Scholar and Dr. Deepesh Kumar Neelam, Assistant Professor at Department of Microbiology, Faculty of Science, JECRC University, Jaipur, Rajasthan on the topic "Bacterial Extracellular Polymers: A Review" in the Journal of Pure and Applied Microbiology, Volume 15 Issue No. 3 (Scopus Indexed Journal and SCI Indexed in Web of Science).

Mr. Sanjeev Kumar from Document Division Delhi campus of NFSU, contributed an article with Anjali Tomar, Reeta R. Gupta, Amanpreet Kaur, J.K. Semwal, Sanjeev Kumar, S.K. Mehta and Shweta Sharma on Forensic examination of thermal papers using Video Spectral Comparator (VSC) and ATR-FTIR spectroscopy coupled with chemometrics: Non-destructive approach In Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy 260 (2021) 119982.

Dr. Deepak Rawtani, Associate Dean at School of Pharmacy, NFSU and Mr. Shubhankar Dube, M.Sc. Student at NFSU have published a chapter 'Detection and mineralization of pesticides using silver nanoparticles' in a book 'Silver Nanomaterials for Agri-Food Applications-A volume in Nano-biotechnology for Plant Protection' published by Elsevier in August 2021.

Dr. Abraham Johnson, Assistant Professor at School of Medico-Legal Studies along with Dr. Shraddha Singh and Dr. Anju Thomas, students of M.Sc. Forensic Odontology published an article "Geometric morphometric analysis for sex determination using lateral cephalograms in Indian population: A preliminary study" in the Journal of Oral and Maxillofacial Pathology, Volume 25; Issue 2 [PubMed and Scopus indexed] in August 2021.

Dr. G. Rajesh Babu Associate Professor of School of Forensic Science, has published a research paper in association with Mr. Saurabh Kumar, Research Scholar, on Ballistic Efficiency of Multilayered Armour System reinforced with Jute-Kevlar Epoxy Composite against High Energy Steel Core Projectile in the Journal of Materials Engineering and Performance in July 2021.

Dr. Abraham Johnson, Assistant Professor at School of Medico-Legal Studies along with Dr. Jyotirmoy Roy, Dr. Ujwal Shahu, Dr. Payal Shirpure, Dr. Supriya Soni - M.Sc. Forensic Odontology Alumni and Dr. Utsav Parekh - Pramukhswami Medical College, Gujarat, published an article entitled "A literature review on dental autopsy – an invaluable investigative technique in forensics" in the Autopsy Case Reports, Volume 11, in August 2021.

Dr. Deepak Rawtani, Associate Dean at School of Pharmacy, NFSU Gandhinagar and Mr. Aayush Dey, Mr. Gaurav Pandey, Research Scholars at NFSU have published a review article on 'Functionalized nanomaterials driven antimicrobial food packaging: A technological advancement in food science' in the 'Food Control', (IMPACT FACTOR: 5.548) in August 2021.

Dr. Surbhi Mathur, Senior Assistant Professor of School of Forensic Science, has published a paper titled "Determining the effect of emotions from handwriting from suicide notes" in Punjab Academy of Forensic Medicine & Toxicology 20 (2), 49-51, in August 2021.

Dr. Abraham Johnson, Assistant Professor at School of Medico-Legal Studies along with Dr. Shelby Abraham, Dr. Gargi Jani - M.Sc. Forensic Odontology Alumni, Dr. Vineet Vinay - Sinhgad Dental College, Maharashtra and Dr. Belcher - University of Nebraska - Lincoln USA, published an article "A preliminary study to quantify the efficacy of 3D data acquisition for human bone replication" in the Journal of Forensic and Legal Medicine, Volume 83, in August 2021. (IMPACT FACTOR: 1.1).

Dr. Hemen Dave, Assistant Professor at School of Pharmacy, NFSU has published a review article in collaboration with Ms. Nisha Chandwani and Dr. Sudhir K. Nema, Head, Atmospheric Plasma Division (APD) and Scientific Officer - H, FCIPT, Institute for Plasma Research, Gandhinagar on 'Experimental Studies on Applications of Atmospheric Pressure Air Plasma for Eco-friendly Processing of Textiles and Allied Material' in the Journal of The Institution of Engineers (India): Series E, in July 2021.

Dr. Hemen Dave, Assistant Professor at School of Pharmacy, NFSU Gandhinagar, in collaboration with Dr. Lalita Ledwani, Director, School of Basic Science, Manipal University Jaipur Rajasthan have published a chapter 'Photocatalytic and Other Similar Green Technologies for Reducing Environmental Impacts of Leather Industries' in a book 'Green Photocatalytic Semiconductors' DOI:10.1007/978-3-030-77371-7 published by Springer International Publishing in July 2021.

Dr. Mahesh Vasava, Assistant Professor at School of Pharmacy, NFSU has published a research article on 'Identification of novel anti-tuberculosis agent: An in silico investigation' in the 'Indian Journal of Tuberculosis', in August 2021.

Dr. Priyanka Kacker, Senior Assistant Professor and Ms. Sonam Sanger, PhD Scholar at School of Forensic Psychology, NFSU, have published a chapter 'Symbols: The Epitome of Civilization' in a book 'History of Symbols' published by Authors Press in August 2021.

FROM THE FREEDOM MOVEMENT...

CHAURI CHAURA – TIME TO RE-EVALUATE THE INCIDENT



The Chauri Chaura incident is a decisive moment in the history of the Indian freedom struggle – an incident whose true significance is yet to be fully assimilated. Chauri Chaura in the Gorakhpur district of the United Provinces (modern-day Uttar Pradesh) came to prominence during the independence movement after a violent incident between the British Indian police and political activists.

A nationwide Non-Cooperation Movement led by Mahatma Gandhi was launched in 1920. In February 1922, the region that is now called eastern Uttar Pradesh was driven by the Non-Cooperation campaign against the British colonial administration. Two days before the incident, on 2nd February 1922, volunteers participating in the Non-cooperation movement led by a retired soldier of the British Indian Army named Bhagwan Ahir, protested against high food prices and liquor sales at Gauri Bazaar. The demonstrators were beaten back by the local Daroga (Inspector) Gupteshwar Singh and other police officers. Several of the leaders were arrested and put in the lock-up at the Chauri Chaura police station. In response to

this, a peaceful protest was called on 4th February to express their outrage at police repression.

On 4th February, around 2,500 protesters led by Bhagwan Ahir assembled in a village called Chotki Dumri and began marching towards the market lane at Chauri Chaura, shouting anti-British slogans, to picket the Gauri Bazaar Liquor Shop. Armed police were dispatched and in an attempt to frighten and disperse the crowd, Inspector Gupteshwar Singh ordered his 13 local policemen to fire warning shots into the air. This only agitated the crowd who began to throw stones at the police. With the situation getting out of control, Sub-Inspector Prithvi Pal ordered the police to open fire on the advancing crowd, killing three and wounding several others. In the ensuing chaos with the crowd's unexpectedly assertive reaction to the gunfire, the heavily outnumbered police fell back to the shelter of the police chowki while the angry mob advanced. Infuriated by the gunfire into their ranks, the crowd set the chowki ablaze, killing all of the Indian policemen including Inspector Gupteshwar Singh and the constables trapped inside. A total of 23 victims were burned to death, although several appear to have been killed by the crowd at the entrance to the chowki and their bodies thrown back into the fire.

In response to the killing of the police, the British colonial authorities declared Martial Law in and around Chauri Chaura. Several raids were conducted and hundreds of people were arrested. Appalled at the outrage, Gandhiji went on a five-day fast as penance for what he perceived as his culpability in the bloodshed and on 12th February 1922, the Non-co-operation Movement was halted as a direct result of the Chauri Chaura tragedy. A total of 225 people were brought to trial at Gorakhpur Sessions Court of Judge H. E. Holmes, on charges of "rioting and arson" in conjunction with the Chauri Chaura affair. Of these, 6 died while in police custody, 2 were sentenced to two years imprisonment, while 170 were sentenced to death by hanging and 47 were acquitted on 9th January 1923, following conviction in a trial which lasted eight months.

A storm of protest erupted over the verdicts, which were characterised as "legalised murder" by Indian Communist leader M.N. Ray who called for a general strike of Indian workers. After the appeal by certain politicians, on 30th April 1923, The Allahabad High Court pronounced the final judgement of the case - 19 people were sentenced to death by hanging, 14 people were sentenced to life imprisonment, 99 were sentenced to imprisonment between 2 to 8 years, and rest of the 38 people were acquitted. The 19 people that were convicted were hanged between 2nd to 11th July 1923. Ram Narain Tripathi, grandson of Meghu Tiwari, who was among the 19 hanged by the British, says "In Chauri Chaura, they just didn't accept police brutality like in Jallianwala Bagh, they retaliated. It was the first and last event of its kind in the freedom movement."

On 4th February 2021, Hon'ble Prime Minister Narendra Modi inaugurated the Chauri Chaura Centenary Celebrations by video link, and released a postage stamp to mark the centenary of the event. He said "For a number of reasons, whenever we spoke of Chauri Chaura earlier, it was portrayed as an ordinary act of arson. But we must see the circumstances for the fire, the reasons for it – that is just as important. The fire wasn't lit in the thana – it burnt in the hearts of the people."



“ While the internet has made our lives very easy, it has also given birth to Cyber Crime which poses a serious challenge to the privacy of citizens, financial institutions, critical infrastructure and even to the national security of not only India but also all other countries. ”

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- Shri Narendra Modi
Hon'ble Prime Minister of India



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