

# School of **POLICE SCIENCE** and **SECURITY STUDIES**

**INFORMATION BOOKLET**



## National Forensic Sciences University

Knowledge | Wisdom | Fulfilment

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

# NATIONAL FORENSIC SCIENCES UNIVERSITY



The National Forensic Sciences University (NFSU) is the erstwhile Gujarat Forensic Sciences University (GFSU), the world's first and the only University dedicated to Forensic Science and 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 standard to meet the huge shortfall of experts in different fields of forensic Science across the world. It was established 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 the 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 the NFSU, and the Lok Nayak Jayprakash Narayan National Institute of Criminology and Forensic Sciences (LNJN NICFS) at Rohini, New Delhi is the Delhi campus. The headquarters of the 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 twelve Schools spread across wide ranging academic disciplines of Forensic Science, Cyber Security, Behavioral Sciences, Forensic Psychology, Engineering & Technology, Pharmacy, Management, Police Science & Security Studies, Medico-Legal studies and Law. Presently, the University offers 68 post-graduate courses as well as integrated courses. Besides this, it undertakes variety of short term training programmes for the officers from diverse fields such as police, judiciary, prosecution, armed forces, academics, finance, banking, etc. As a result, since 2009, NFSU has trained over 12,000 officers, including around 2500 foreign officers from 70 different countries. In order to harness the latest knowledge, advanced technologies and the best practices, NFSU has entered into academic collaboration across the world and within India with more than 130 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 the Cyber Defence Centre (CDC), the Ballistics Research Centre & Testing Range, Centre of Excellence for Narcotics Drugs and Psychotropic Substance (NDPS), the first-ever International Centre for Humanitarian Forensics (ICHF) in collaboration with the ICRC, Forensic Innovation Centre etc.

NFSU is progressing under the dynamic leadership of its Founder Vice Chancellor, Dr. J.M. Vyas, an eminent and senior-most Forensic Scientist of India with 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 Chairman. The Gujarat campus is headed by the Campus Director, Prof. (Dr.) S.O. Junare who is a seasoned academician with rich experience of over three decades. The Executive Registrar, Shri C. D. Jadeja looks after the entire administration of NFSU and each school is headed by the respective Dean.



## MESSAGE FROM HON'BLE VICE CHANCELLOR

When we started establishing the erstwhile Gujarat Forensic Sciences University, we had no template or framework to fall back upon. But even at that time we were very clear that it has to be a university not only for Forensic Sciences but also the allied subjects. The reason was, we were convinced that Forensic Science need to be utilized not only after the crime but also for preventing a crime, and we had even mooted the concept of 'Preventive Forensics'.

As a major step toward pursuing the concept of 'Preventive Forensics', we had launched a Master's programme in Homeland Security in 2013 which again, had been a unique programme and continues to be the only one of its kind in the country, and as such, was developed from scratch. Over the years, we have gained considerable experience and expertise in this multi-faceted course which prepares students to deal effectively with every possible kind of threat. I am happy that the programme has been received very well by national as well as international students. Encouraged by the success of this programme, we have now widened the scope of studies and established a dedicated department, the School of Police Science & Security Studies (SPSSS). Now, in addition to the Homeland Security programme, we are launching another Master's programme dealing with Policing and various facets of Security as well as a PG Diploma.

All the programmes being conducted by SPSSS are comprehensive, contemporary and insightful, touching upon wide-ranging subjects. I am happy that a information booklet has been prepared to provide a detailed overview on the programmes. I am sure it will motivate the students as well as professionals to join these programmes and gain from expertise and experience available with this school of NFSU.

**Dr. J.M. Vyas**  
Vice Chancellor  
National Forensic Sciences University



## MESSAGE FROM CAMPUS DIRECTOR

The National Forensic Sciences University has dedicated itself to the study and research in all possible branches of Forensic Sciences and allied subjects. Considering the success of Homeland Security programme and based on inputs received from the students, alumni and industry, we have taken another major step of establishing an exclusive School of Police Science & Security Studies (SPSSS). The aim has been to not restrict the studies to Homeland Security alone but also introduce studies in various other facets of security such as border security, maritime security, cyber security, industrial security etc. A study of police functions has also been introduced as it is intertwined with security. As such, the SPSSS, has taken upon itself to educate students on every facet of security and associated subjects.

Presently, the course conducted on Homeland Security provides wider insight into various aspects of security such as terrorism, natural hazards, critical infrastructure protection, risk analysis, disaster management, and cyber security to name a few. While our goal is to be a world class forensics university, we are equally determined to have a comprehensive training and research in security studies of international standard. As a part of this mission, the goal of SPSSS is to excel in the fields of policing and security by imparting education through exposure to time-tested tactics, analytical studies and high-end technologies. The overwhelming response of the national and international students as well as professionals in this journey, gives us confidence that we are on the right path.

We want more and more students and professionals to gain from the expertise of outstanding faculty with the School of Police Science & Security Studies of Gujarat campus of NFSU at Gandhinagar. I invite aspiring students to pursue their interests by inducting in the courses offered under this school to acquire skills necessary for a rewarding career and benefit from institutional excellence. I am certain that this information booklet will be of great help in getting necessary insights.

**Prof. (Dr.) S.O. Junare**  
Campus Director, Gujarat Campus  
National Forensic Sciences University



## MESSAGE FROM DEAN, SCHOOL OF POLICE SCIENCE & SECURITY STUDIES

Welcome to the School of Police Science & Security Studies (SPSSS) !

Policing and security studies are absorbing areas. The changing times of the 21st century has substantially changed our traditional understanding of security and policing with the rise in dreaded threats like terrorism and advent of complex Information and Communication Technologies. As such, there is a great demand for smart and young executives in the police department and security industry which is still at a nascent stage. Towards that, SPSSS is a unique establishment which offers an array of highly specialized post graduate programmes in policing and security studies. This includes a one-of-its-kind M.Sc. (Homeland Security), newly introduced M.A. (Police & Security Studies), and a valuable Post Graduate Diploma in Security Studies. Besides touching upon the concepts, tactics, scientific approach and case studies, the main emphasis is on contemporary as well as state-of-the-art security technologies. It has become abundantly clear that today's security professional needs to be highly tech-savvy to remain a step ahead of the events, be it terror attacks or intense natural hazards.

I am glad to inform that the School of Police Science & Security Studies at Gujarat campus of NFSU at Gandhinagar, is a place which will help you realize your dream of becoming an expert in these fields. We will hand-hold you through a rich and transformative journey where you will grow personally, academically and socially to become not only a sound professional but also a major contributor to our society. Our aim is to guide you in your development of security skills and knowledge needed to impact the quality of life of individuals and contribute in nation building.

In order to provide a clear insight into the extensive training areas of the School, this information booklet on SPSSS has been prepared. I earnestly believe that this brochure will encourage you to avail the opportunities of undergoing different programmes at SPSSS. In case you need any other information or guidance, you are most welcome to contact me at any time.

**Air Commodore K.R.Thaaakar (Retd.)**  
Dean, School of Police Science & Security Studies  
National Forensic Sciences University



## SCHOOL OF POLICE SCIENCE & SECURITY STUDIES

Even when Gujarat Forensic Sciences University, the earlier *avatar* of National Forensic Sciences University (NFSU), was established as the world's first Forensics University in 2009, it was the vision of its founder Vice Chancellor, Dr. J.M. Vyas, to also have studies in allied subjects especially, pursuing his novel concept of 'Preventive Forensics'. Accordingly, in 2013, the university launched a Master's programme in 'Homeland Security & Anti-Terrorism' which was first of its kind in India. Moving ahead, Dr. J.M. Vyas took another major stride in security studies on 1st February 2021, and established a dedicated department, a "School of Police Science & Security Studies" to impart advanced training and boost research in the various dimensions of security and policing with substantial emphasis on modern security technologies. Presently, the school offers three academic programmes which are M.Sc. (Homeland Security), M.A. (Police & Security Studies), and PG Diploma in Security Studies.

The major threat being faced the world over, is of terrorism and violent events, bringing the security dimension in sharp focus including in India which faces tough security challenges. This, coupled with the relative ease of access to advanced technology, has led to a steep rise in sophisticated criminal acts and corresponding increased threats to the society. On a different front, rapid changes in climate are causing more frequent and intense natural disasters. In this scenario, Homeland Security studies have a great importance as it encompasses protection of people, services essential for their well-being, and critical infrastructure of the nation from terror attacks, natural disasters as well as major accidents. The Homeland Security programmes impart structured training in holistic study of varied aspects of security from an India-specific perspective. It focuses on our nation's unique security as well as safety challenges, using scientific approach and technological prowess. The curriculum is regularly updated to meet the growing demands of security industry which makes the students of Homeland Security better prepared to take over leadership role in the security set-up of Government, MNCs, Corporate Sector, Industries and NGOs.

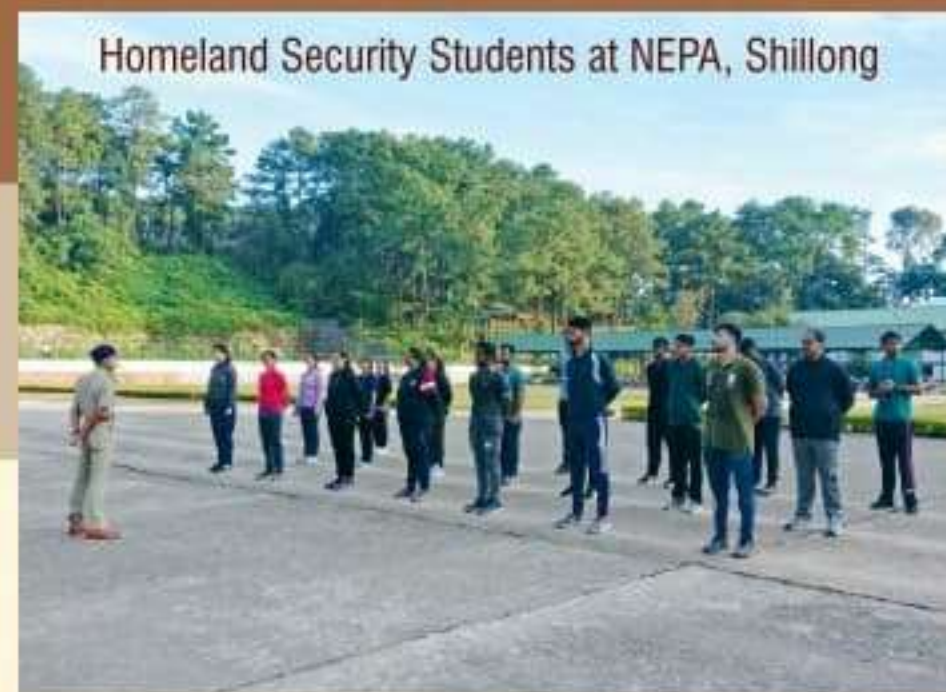
Policing in India is a subject of perpetual concern for the citizens and has direct relevance to the Internal Security. The need of the hour is to upgrade the traditional system of Policing and security tasks with the use of modern technology as these personnel are destined to serve as the 'first responders' to any emergency situation be it natural disasters, industrial accidents or civil unrest. Accordingly, NFSU has launched an entirely new M.A. programme on Police and Security studies which prepares the students, tactically and technologically, for the Indian security environment. This acquisition of knowledge, skills and technical competence give the graduates a distinct edge over their counterparts when they reach out to join the State Police Department, Central Armed Police Forces, Coast Guard, Intelligence Agencies or security verticals of industrial / corporate sector in leadership positions.

The School of Police Science & Security Studies aims to respond to the nation's growing security and safety needs by exploring the academic disciplines of Homeland Security and Police Studies. The courses are designed to prepare the students to respond to the major threats and disasters by way of preparing strategy, its fool-proof implementation, refining plans, introducing technology, carrying out investigations, undertaking audits, etc., at global level, national level, industry level or at any organisational level. The diverse subject matter and unique pedagogical approach in each academic offering inspires students to widen their perspective on contemporary problems, and prepare them to create innovative solutions and long-term strategy. The students also stand to gain substantially through special lectures and seminars / webinars involving eminent security experts, practical exposure through field visits to major police and security organizations, and extensive internship in the final semester. Overall, the students studying in the School of Police Science & Security Studies benefit from institutional excellence, quality teaching, cutting edge skills and advanced technologies, leading to perceptible value addition.

Homeland Security Students on a visit at Shillong



Homeland Security Students at NEPA, Shillong



## M.Sc. (HOMELAND SECURITY)

Intake	Duration	Mode	Fees Structure
30	2 years (4 semesters)	Full Time	Rs. 50, 000/- per semester + Other University fees
<b>Eligibility :</b> Bachelor's degree in any Science stream, Medicine, Engineering or Pharmacy from a recognized university with minimum 55% or equivalent marks (50% or equivalent marks for SC/ST and PwD)			

### Fundamentals of Homeland Security & Challenges

- Concepts, Missions & Goals of Homeland Security.
- Security Threat & Challenges - India, Neighbouring Countries and Extended Neighbourhood.
- Homeland Security Organizations in India & National Preparedness.

### Geo-Politics & International Relations

- Global security landscape, Major World Powers, International Relations and International Trade.
- Security Challenges of India, Indian Foreign Policy, Relations & Diplomacy with other nations.
- Internal Security, major threats & countermeasures, critical issues of Terrorism, Insurgency, Naxalism.

### Civil & Criminal Laws

- Constitution of India - Distribution of Power & the Directive Principles.
- Indian Criminal Justice System and important provisions of IPC, CrPC & Civil laws of India.
- Special Legislations on Organized Crime, Terrorism, Drug Trafficking, Corruption etc. and International Laws & Treaties.

### Land Border & Maritime Security

- History of India's land warfare, Role of Border Guarding Forces & Indian Army in Border Security.
- Threats and challenges across India's borders and concepts of Border Security Management.
- History of Maritime conflicts and concepts of Maritime power.
- Role of Indian Navy, Coast Guard & Coastal Police in combating threats using Security Technologies.

### Physical Security

- Planning, Manpower, Operational Procedures, and Technology for Physical Security Arrangements.
- Design and implementation of physical protection systems, contingency plans, emergency response strategies, and fire safety systems.

### Industrial Safety & Security

- Requirements for different industrial domains to formulate and implement specific security and safety policies.
- Monitor safety systems and evaluate safety performance metrics.

## We share knowledge & experience on...



### Critical Infrastructure Protection

- Security setup at different Critical Infrastructure Sectors - Airports, Seaports, Major Industrial Complex, Finance & Banking, Healthcare, Energy, Information & Communication Technology etc.
- Security Incident Management, Role of Security Officer, Emergency Communications, Evacuation Plans, and Post-Incident Operations.
- Securing Human, Cyber and Physical Assets to ensure Disaster Recovery & Business Continuity.
- Optimize security budget, resource allocation, and capacity building for effective business planning.

### Forensic Science

- Fundamentals of Forensic Science, its branches, types of evidences, and their use in investigation of major crimes.
- Police Organization in India, Role of Police/Security Officers in Crime Scene Management.
- Indian Evidence Act, Chain of Custody and duties of Forensic professionals.

### Cyber Security & Resilience

- Basics of IT, Networking concepts, Digital Communication, Firewalls, Data Privacy & security against Cybercrime.
- Investigation of Cyber crime using Digital Forensics process, techniques to identify and extract digital evidences.
- IT Act of India, Institutional provisions, Cyber Security policies & strategies to defend against Cyber Terrorism & Warfare.

### Contemporary Security Technologies

- Access Control, Smart fencing, CCTV surveillance, Vehicle and Luggage Scanning Systems, Biometric authentication, and wireless technologies.
- Rapid security response based on smart alerts using various scanners, sensors and alarms.
- Applications of Drone & Anti-Drone Technology in security.

### Advanced Security Technologies

- Security applications - Artificial Intelligence, Machine Learning, Internet of Things, Blockchain and Big Data Analytics.
- Securing Cloud computing networks and SCADA systems at Critical Infrastructures.
- Understanding the Network-Centric Warfare and associated technologies.

### Risk and Vulnerability Analysis

- Generate Risk Management Solutions by identifying Hazards, Threats & Vulnerabilities.
- Formulate, implement and ensure compliance of the Risk Mitigation & Loss Prevention policies to achieve Resilience.

### Intelligence & Counter-Intelligence

- Collecting Information through overt as well as covert sources and assessing its trustworthiness and relevance.
- Analysis of information to extract valuable intelligence and influencing enemy through psychological warfare tactics.
- Using offensive & defensive Counter-Intelligence techniques to ensure national security against subversion and espionage.



Border Security



Critical Infrastructure Protection



### **Protection against Weapons of Mass Destruction**

- Characterize and classify biological, chemical, radiological and nuclear agents – Effects and Potential for mass destruction.
- Specialized techniques for prevention of illegal procurement, detection, response, and post-incident decontamination against weaponized use of hazardous elements.
- Role of first responders in establishing Emergency Communication, and combating Radioactive fallout.

### **Disaster Management**

- Types of Disasters, causative factors, underlying scientific principles, and national security concerns.
- Disaster Response, Relief and Rescue management, Multi-agency coordination, Medical triage & Shelter management.
- Warning & Forecast systems, GIS, Geomatics, Remote Sensing, and Safety & Response Equipment.
- National institutions and provisions for disaster response, environment protection and sustainable development.

### **Criminology and Forensic Psychology**

- Psychological traits and personality disorders leading to violent criminal behavior and terrorism.
- Psychological impact assessment using Forensic psychological tools and techniques.
- Counseling, therapy and intervention practices for psychological aid to victims of violence and disaster.

### **Financial Accounting**

- Indian Financial System & Institutions, Indian Economy & its issues, and their role in national security.
- Fundamentals of Financial Accounting, analysis of corporate financial statements, and tenets of financial markets & taxation.

### **Investigation of Financial Frauds & Terror Funding**

- Black economy, link between illegal financial gains and funding of terror activities through clandestine money transfer.
- Investigation of white-collar crimes, financial frauds, fake currency, terrorism financing and ways to mitigate them.
- National & International Laws to counter financing of terrorism and financial frauds.

### **Organizational Behaviour & Human Resource Management**

- Shaping individual behaviour and cultivating values in workplace using theories of Attitude, Motivation, Perception and Personality assessment.
- Stages of Human Resource Planning, Job Analysis and managing Organizational change.
- Approaches to Leadership, Group Dynamics, Personnel Management and maintaining Job Satisfaction.

### **Practical Training & Research**

- Practical exposure through a week-long visit to a major industrial complex.
- Field training at a prestigious police training institution.
- Internship at one of the major institutions / industries and a Dissertation work in the Semester IV.



Students at Shillong, Meghalaya



Training at Adani Port & SEZ, Mundra (Gujarat)

## M.A. (POLICE & SECURITY STUDIES)

Intake	Duration	Mode	Fees Structure
30	2 years (4 semesters)	Full Time	Rs. 50, 000/- per semester + Other University fees
<b>Eligibility :</b> Bachelor's degree in any stream from a recognized university with minimum 55% or equivalent marks (50% or equivalent marks for SC/ST and PwD category).			

### Police Administration

- History of Policing in India, Organizations under Ministry of Home Affairs for maintaining Law & Order.
- Organization and role of State Police, Central Police Organizations and Special Police Units in India.
- Executive powers & duties of Police Officers and the modalities of Police Administration.

### Geo-Politics & Internal Security of India

- Global security landscape, Major World Powers, International Relations and International Trade.
- Security Challenges of India, Indian Foreign Policy, Relations & Diplomacy with other nations.
- Internal Security, major threats & countermeasures, critical issues of Terrorism, Insurgency, Naxalism.

### Maintenance of law & Order

- Civil unrest, local-level intelligence gathering, anti-sabotage measures, surveillance and patrolling.
- Controlling riots, preventing communal violence, securing VIPs, managing crowds, and regulating traffic during major events.
- Developing capabilities of rapid response and fearless pursuit of investigating organized crime and terrorism.

### Forensic Science and its application in Major Crimes

- Importance of coordination between Law Enforcement agencies and Forensic Science Institutions.
- Using different domains of Forensic Science and forensic evidences collected during investigation.
- Indian Evidence Act, role of forensic experts, and managing crime scene documentation & reconstruction.
- Analyzing evidences specific to major crimes such as explosions, arson, death and sexual offences.

### Risk and Vulnerability Analysis, Physical Security and Critical Infrastructure Protection

- Identifying Vulnerabilities, Hazards, and Threats to Critical Infrastructures and implementing reliable Risk Management solutions through Impact assessment, Risk prioritization & Mitigation.
- Physical Security setup & operations at Critical Infrastructures: Airports, Seaports, major Industrial Complex, Energy, Finance & Banking, Healthcare, Agriculture, IT & Communications etc.
- Role of Security Officer, allocation of manpower and resources, access control, contingency planning, emergency response strategies, and post-incident follow up to ensure business continuity.

### Intelligence & Counter-Intelligence

- Information collection through overt and covert sources and assessing its reliability, relevance and motive.
- Transforming information into actionable intelligence through analytical process.
- Initiating appropriate police action using offensive & defensive Counter-Intelligence techniques.



**We share knowledge & experience on...**

### **Land Border & Maritime Security**

- India's land and oceanic topography, history of conflicts and threats & challenges across India's Eastern & Western theatres.
- Role of border guarding forces and Indian Army, Integrated Border Management and Border Security Technologies.
- Securing maritime environment & blue economy - role of Indian Navy, Coast Guard & Coastal Police.
- India's maritime interests, security strategy & initiatives, and role of maritime technologies.

### **Criminal Justice System**

- Concept of Justice, impact of Judiciary and challenges in India.
- Judicial Administration in India: Structure, functions and powers of Courts and its salient features.
- Systems of Prosecution and the role of Law Enforcement Agencies in judicial proceedings.
- Functions of special courts and correctional institutions.

### **Civil & Criminal laws**

- Constitution of India – Fundamental Rights, Distribution of Power and Directive Principles of State Policy.
- Important provisions of Indian Penal Code, Criminal Procedure Code & Civil laws in India.
- Special legislations in India on Money Laundering, Organized Crime, Terrorism, Drug Trafficking, Sexual offences, Corruption etc. and International Laws & Treaties.

### **Criminal Investigation**

- Applicability of IPC, CrPC, and their modalities in judicial proceedings.
- Different methods of investigation pertaining to terrorism, anti-national activity and economic scandals.
- Investigation of crime, identifying prima facie, collecting evidence, registration of case, witness statement, arrest, interrogation, collecting further evidences and preparing charge sheet.

### **Financial Accounting and Investigation of Economic Offences**

- Fundamentals of Financial Accounting, analysis of balance sheet and financial statements.
- Indian Financial and Economic System, its institutions, legal provisions and macroeconomic issues.
- Investigation of channels supporting Black economy, white-collar crimes, financial frauds, money laundering, fake currency, terrorism financing and ways to mitigate them.

### **Contemporary Security Technologies**

- Access control, Surveillance, Fire Safety using basic technologies such as CCTVs, smart barriers, biometric authentication, and wireless communication.
- Use of scanners, cameras, sensors and alarms to monitor security situation in real-time.
- Applications of Drone & Anti-Drone Technology in maintenance of law & order.

### **Cyber Security**

- Technical concepts of Computer and Networking, Communication systems, Forensic Software & Hardware, Digital Signatures, Data privacy & security against Cybercrime.
- Cyber-Policing and the role of Cyber-Crime Cells in countering Cyber Terrorism, Cyber Bullying, IPR infringement, credit card scams, Electronic Funds Transfer (EFT) frauds etc.
- IT Act of India, institutional provisions, and investigation of Cybercrime using Digital Evidences and Cyber Forensics.



### **Advanced Security Technologies**

- Mapping of crime and criminals using Artificial Intelligence and Machine Learning.
- Role of Big Data Analytics, Cloud computing, and Voice Analytics in Criminal Justice System.
- Technologies associated with the concept of Network-Centric Warfare and its applications in Urban Policing.

### **Industrial Safety & Security**

- Industry-specific security and safety policies, identifying common hazards and appropriate safety systems.
- Monitoring safety performance metrics and evaluating compliance.

### **Policing and Human Rights**

- Human Rights issues during investigation of crimes against women, children and weaker sections of the society.
- Police Accountability, victim & witness protection, treatment of the accused in custody, and ethics in policing.
- National and International instruments to safeguard human rights, Protection of Human rights in courts and code of conduct for Indian police.

### **Crime Prevention and New approaches to Policing**

- Anticipation and recognition by Police to risks, use of specific deterrence techniques and prevention methods.
- Role of Media, Educational Institutions & Non-Governmental Organizations in crime prevention.
- Fostering healthy Public-Police partnership through problem-oriented policing and Community Policing in India.
- Managing political influences on Police forces, issues of Police reforms and modernization.
- Case studies in Policing and reinventing role of Police as a medium for Social Change.

### **Criminology and Forensic Psychology**

- Understand crime through forensic behavioral analysis, personality disorders and psychological traits.
- Suspect detection using Forensic psychological investigative techniques.
- Aiding victims of violent crimes using psychological impact assessment and intervention practices.

### **Organizational Behaviour & Human Resource Management in Policing**

- Organizational culture, communication, hierarchy and inter-group dynamics in Police departments.
- Police subculture and effects of cynicism, alienation, public perception, work pressure, stress and hazards of the job.
- Role of human factors in performance, motivation & emotions in influencing the decision-making process, leadership and grievance redressal.

### **Disaster Management**

- Dealing with Disasters and their causative factors as a national security concern.
- Role of police in disaster management, relief and rescue management, and multi-agency coordination.
- Warning & Forecast systems, GIS, Geomatics, and Remote Sensing in Disaster Management.
- National and state level authorities, institutions and provisions for disaster response and management.

### **Practical Training & Research**

- Practical exposure through a week-long visit to a major industrial complex.
- Field training at a prestigious police training institution.
- Internship at one of the major institutions / industries and a Dissertation work in the Semester IV.



Disaster Relief



Homeland Security Students at India-Bangladesh Border



Training at Adani Port & SEZ, Mundra (Gujarat)

## PG DIPLOMA IN SECURITY STUDIES

Intake	Duration	Mode	Fees Structure
20	1 years (2 semesters)	Full Time	Rs. 20, 000/- per semester + Other University fees
<b>Eligibility:</b> Bachelor's degree in any <del>Science</del> stream, <del>Medicine, Engineering, Pharmacy</del> from a recognized university with minimum 50% or equivalent marks (45% or equivalent marks for SC/ST and PwD).			

The impressive credibility of the existing Homeland Security course earned over the years has led to the launch of a one year full-time PG Diploma in Security Studies. This has been conceived to meet a wide-ranging demand from government officials and industry professionals for a shorter course targeting all the essential subjects, concepts and skills. In particular, the graduates looking to begin their career in the security industry will benefit immensely from this focused approach. The PG Diploma programme retains its India-specific perspective and pedagogy to equip the students with skills to respond to the major threats and disasters. This is achieved by way of organising physical security setup, preparing emergency action plans, standardising operating procedures, integrating security technologies and assist law enforcement with post-incident operations.

### Key Features

- Umbrella concept of Homeland Security, its domains and organization in India.
- India's frontline defense mechanisms for Land Border and Maritime security.
- India's strategic importance in South-Asia, its approach to international affairs and multilateral world order.
- Combating India's internal security challenges of Cross-border Terrorism, Insurgency and Naxalism.
- Maintaining the law & order and handling of internal security by Police at local / urban level.
- Protection of human rights in law enforcement for victims, witness, and accused.
- Forensic science techniques for robust security implementation, pre and post-incident investigation and management.
- India's criminal justice delivery system, judicial hierarchy, prosecution procedure and correctional institutions.
- The Constitution of India, civil & criminal laws, and major legislations for combatting organized crime & terrorism.
- Threat Identification, risk prioritization, and containment of hazards for security of Industries and Critical Infrastructures.
- Safety measures, policies and standards for industries, critical infrastructures and corporate sector.
- Basics of networking, electronic communication and contemporary practices in cyber security.
- Investigation of cyber-crime by collection and analysis of digital forensic evidences.
- Contemporary security technologies for access control and surveillance.
- Intelligence and Counter-Intelligence related to national defense and security.
- Tenets of the Indian Financial system, basics of financial accounting and investigation of various economic offences.



## ADMISSION PROCEDURE

**Topics of Entrance Exam :** The entrance examination for the admission to any course under the School of Police Science & Security Studies will be conducted by NFSU. The syllabus of entrance test is divided into two parts.

1. 60% questions would consist of General Knowledge, Logical Reasoning and Aptitude, Mathematical Reasoning, Data Interpretation and Basics of Computer application.
2. 40% questions will focus on Overview of National Security, Role of Indian Security Forces, General Police Organization & Functioning, History of Terrorism & Insurgency in India, Current affairs, Governance at National & State level and Disaster Management.

**Type of Examination :** The eligible candidates shall be required to appear in Entrance Test consisting of 100 Multiple Choice Questions (MCQ) carrying a total of 100 marks covering the syllabus as prescribed and will not have any negative marks for wrong or un-attempted question/s.

## OUR PLACEMENT PARTNERS



## OUR FACULTY MEMBERS...

### **Dr. J. M. Vyas,** Hon'ble Vice Chancellor, NFSU



Dr. J.M. Vyas is the founder Vice Chancellor of NFSU. Since its inception in February 2009, he has personally nurtured this unique institution, leading to its upgradation as a national university with the status of an 'Institution of National Importance' (INI). He is also the Director General of Gujarat's Directorate of Forensic Science, heading it for past 28 years. Dr. Vyas is the senior-most serving Forensic Scientist of the country with a rich experience of 48 years. He has been appointed to a number of prestigious Governing Councils and Committees including Organising Committee of the INTERPOL for three consecutive terms (2008 to 2016). Being a globally renowned forensics expert, Dr. Vyas has been felicitated with a number of international and national awards such as 'Distinguished International Forensic Scientist Award' by The Henry C. Lee Institute of Forensic Science, USA, 'Lifetime Achievement Award' by International Association of Police Academies (INTERPA), Turkey, 'President's Police Medal for Meritorious Service' and 'Best Forensic Science Laboratory Director of the Country', to name a few. The establishment of this School to focus exclusively on police science and security studies, is entirely a result of the vision and initiative of Dr. J.M. Vyas.

### **Prof. (Dr.) S.O. Junare,** Campus Director, Gujarat Campus



Prof. (Dr.) S.O. Junare has a vast academic experience of more than three decades at several universities and is an expert in Forensic Accounting, Fraud Investigation, Finance, Banking, Law, Management, Education, Research and Training. He has guided 24 Ph.D. thesis, published over 75 research papers, organised more than 500 training programmes, and offered consultancy services to over 20 organisations. Prior to joining NFSU, he has been a Professor & Director for 16 years at the National Institute of Cooperative Management, Gandhinagar, and for 10 years at the National Council for Cooperative Training, New Delhi. He has also provided honorary services for 6 years as a Dean, Faculty of Management at the Gujarat Technological University. Besides this, Dr. Junare is appointed as a member of the Board of Governors and Advisory Boards of a number of academic institutions, and Government's various policy-making and advisory committees.

### **Air Commodore K.R. Thaakar,** Dean, School of Police Science & Security Studies



Air Commodore K.R. Thaakar is a veteran Indian Air Force Officer with 35 years of distinguished service in both, Operations and Administration. After number of security related tenures, he had the distinction of being appointed as the Provost Marshal of the IAF, heading Air Force Police, Security and Vigilance departments. He has done M.Sc. and M. Phil., both in Defence & Strategic Studies, and is an alumnus of the prestigious Defence Services Staff College, Wellington and College of Air Warfare, Secunderabad. He has also been a member of a UN Peace Keeping Mission in D.R. Congo. Since June, 2019, he has joined NFSU as a Senior Faculty, and later, has been appointed as the first Dean of the the School of Police Science & Security Studies. His areas of interest are Homeland Security, Police Administration, Strategic Affairs, Air Power, and Defence Studies.

### **Dr. Pavithran Nambiar,** Senior Faculty



Dr. Pavithran Nambiar is a vastly experienced police officer and an academician. He has served the Gujarat Police for four decades in varied divisions like Intelligence, CID, Communication, and Police Research. He is the recipient of the prestigious President's Police Medal for meritorious service and had the distinction of getting selected as a Fellow at the Police Foundation, Washington DC. After retirement, he has served at Raksha Shakti University, Gujarat Forensic Sciences University, and completed a 2-year Post-Doctoral Fellowship at the Indian Institute of Advanced Study, Shimla. He has 15 publications to his credit and his areas of interest are Policing, Intelligence, Counter-terrorism, National Security, and US Homeland Security.

### **Mr. Keval Pandya,** TRA Faculty



Mr. Keval Pandya is an alumnus of NFSU having studied M.Sc. (Homeland Security & Anti-Terrorism) where he is now serving as its Faculty since September, 2018. Earlier, he had completed B.E. (Computer Engineering). He specializes in wide exploitation of technology for enhancing security, in particular, the applicability of Cyber Security for improving Homeland Security. His other areas of study are International Relations, Geo-Political Risk Factors, Disaster Management, Terrorism and Political Science.

### **Mr. Hiren Patel,** TRA Faculty



Mr. Hiren Patel has vast academic qualifications. After studying BBA, he has earned M.A. (Politics & International Relations) and M.Phil. in Security Studies from the Central University of Gujarat. He is currently pursuing Ph.D. in China's Naval Strategy. Earlier, he has worked as a Junior Research Fellow at the M.S. University. He specialises in China's Foreign Policy, Belt & Road Initiative, and India-China Relations. His other areas of interest are International Relations, Security Studies and Geo-politics.

### **Ms. Anagha Chatterjee,** Visiting Faculty



Ms. Anagha Chatterjee has done M.Sc. (Homeland Security & Anti-Terrorism) and is an alumna of the University. Prior to that, she had studied B.Sc. (Forensic Science) and specializes in the application of forensic science in Homeland Security. She has served in the corporate sector for over three years as a Risk Analyst for the Banking & Finance Sector. Her areas of interest are Risk Management, Fraud Investigation, Compliance and Forensic Science.

### **Mr. Safal Phadke,** Visiting Faculty



Mr. Safal Phadke is an alumnus of NFSU having studied MBA (Homeland Security) who has joined as a Visiting Faculty. After completing B.A (Sociology), he has pursued M.A (Defence & Strategic Studies) degree from the Panjab University, Chandigarh wherein he topped the course. Later he has served as a Risk Management Consultant in the private sector. He specialises in Geo-Political Studies and Homeland Security. His interests include National Security, International Relations and Cyber Security.



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