



Annual Administrative Report



DIRECTORATE OF FORENSICS SERVICES Himachal Pradesh (2018-19)

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Sh. Jai Ram Thakur, Hon'ble Chief Minister, Himachal Pradesh laid the Foundation Stone of DNA Block at RFSL, NR, Dharamshala on 13.11.2018

MOTTO

विज्ञानेन् सत्यान्वेषणम्
'Vigyanane Satya Anveshnam'
विज्ञान से सत्य की खोज
To dig out truth through science.

MISSION

Foremost mission of the HPFSL is to serve the society in a holistic manner by way of providing quality and timely reports in criminal and civil cases and in matters of public interest; create a vibrant and intellectual environment in the institution built on trust, commitment to promote good practices and inculcate ethical values and employ modern methods; empowerment of law enforcement agencies, judiciary and enquiry commissions with forensics knowledge for proper investigation and for better understanding, evaluation and appreciation of reports. HPFSL has to emerge as a temple of knowledge sharing with other institutions in the development of the state-of-art forensics in order to open new vistas.

VISION

- ◆ Quality reports, timely reports by adopting good practices and protocols with latest know-how conforming to national and international standards form the foundation principles of an institution to emerge it as a premier institution.
- ◆ Achieve excellence in human resource development through training, by creating a congenial scientific ambience that encourages team spirit and ideal professional conduct.
- ◆ Fostering collaboration and co-operation with universities, research undertaking bodies, promoting R&D programmes so as to generate database and for developing state of the art (infrastructure).
- ◆ Building Himachal Forensics into a professional service, enjoying public faith, exhibiting accountability, transparency in order to meet modern challenges of crime. To evolve a mechanism whereby forensic service is available in investigation of all heinous crime, and whenever required in situations demanding public interest.
- ◆ Help in combating corruption, help in protecting environment and endangered species (flora & fauna), help in upholding human rights and help in preventing human trafficking.
- ◆ Creating public awareness by disseminating knowledge through media (print, electronic and exhibitions) about the cases solved with the forensic tools and techniques, means of a proactive forensics, which is deterrent to the wrong doers and potential criminals. Also, educating public about do's and don'ts on the spot, drug menace, save oneself from cyber crime and about road safety.
- ◆ Encouraging use of more forensic inputs to put investigation on the right track in the beginning itself so as to save police man hours and saving public from unwarranted inconveniences.
- ◆ Promoting ethics in forensics.

“-----The Directorate of Forensic Science Himachal Pradesh is playing a pivotal role in Criminal Justice Delivery System-----”

**(Jai Ram Thakur)
Chief Minister**

PREFACE

Forensics not only enables the police and courts to get good irrefutable evidence for the issues under investigation and scrutiny but also provides credible solutions with certainty, within a framework of scientific principles by employing modern tools and techniques. Also, Forensics needs widening its ambit to meet emerging challenges of tech-savvy criminals, set new standards of service and work for innovative solutions to solve real problems.

Great accomplishments are made with great beginnings based on robust foundations. A solid foundation towards the development and success of Himachal Forensics was laid with the approval of the first Five Year Perspective Plan 2014-2019 in the 8th meeting of HP Forensic Science Development Board and had a key role in creating new specialties and stewarding infrastructure projects that ushered an era of five years of splendid inclusive growth.

Himachal Forensics has taken a lead after making an amendment in the HP Police Act, 2007 to bring administrative reforms wherein the Forensics Directorate would be headed by the Director General (Forensics), Forensic set-up at Range would be headed by the Range Director and District Units would be headed by the Assistant Director/Dy. Director besides integration of Finger Print Bureau with the Directorate of Forensics Services to bring all facilities under one umbrella. Also, Code of Ethics in the Himachal Forensics Services was approved by the Govt.

Likewise, on the professional front, funds to the tune of Rs. 1.65 crore under Prevention of Cyber Crime against Woman & Children scheme (CCPWC/MHA, GOI) were allotted to the Forensics Directorate to augment digital evidence analysis facilities and to establish two Cyber Training Centers at State FSL & RFSL Dharamshala as a measure of capacity building of stakeholders of Criminal Justice Delivery System viz. police, prosecution and judiciary besides awareness of public through exhibitions. Funds were successfully utilized to create state of the art-cyber-forensic-labs and for training and awareness programmes.

A journey makes Himachal Forensics swell with pride as it emerged first among the Center/State Forensic labs in the country to get membership of Asian Forensic Sciences Network which will help to enhance quality of Forensics Services through expert working groups, collaborative studies, training and formulation of strategies relating to forensics issues in Asia. The working of Himachal forensic set-up was presented at the forum and gained wide international recognition.

In 30th years of celebrations, good news has come for the forensic fraternity that the HP State FSL & RFSL, NR appeared on the global map when it succeeded in getting NABL accreditation and became the 5th State FSL and 1st RFSL in the country to become NABL accredited labs which is an in-built mechanism for quality assurance. Now, the forensic reports issued by these labs are on a par with international labs and will be acceptable in the international courts as well. Likewise, a process was initiated to get NDPS division registered with the United Nations Office on Drugs & Crime (UNODC) to participate in the International Collaborative Exercise (ICE) as a measure of quality assurance programme with the United Nations Lab which is a unique achievement in the Indian scenario.

A new beginning has been made by organizing workshops/trainings for the Forensic officers under Continuous Forensics Education programme which was significant, fruitful and unprecedented as a milestone in the history of Himachal Forensics. Also, the stakeholders of Justice Delivery System in the State were disseminated forensics knowledge. A delegation of 40 judicial officers (Sessions & Addl. Sessions judges of Bangladesh) from National Judicial Academy, Bhopal was in the State FSL for one day study tour.

A high quality service (by forensic analysis in the lab and by examination of scene of crime) rendered by the Deptt. resulted into conviction of all the three perpetrators in the death sentence in a high profile case of State capital city. Likewise, in another case the department earned appreciation from the Central Agency viz. National Investigation Agency (NIA) which helped to keep the morale high and the personnel motivated.

Strengthening of DNA and Cyber Forensic Labs was aimed to bring down pendency of the cases. Accordingly, a proposal of Rs. 7.29 crore was submitted to the Govt. of India which was in principle approved and the government released funds to the tune of Rs. 3.59 crore in the first phase. Likewise, a proposal was submitted to Police Headquarters for funds (Rs. 1.25 crore) under Modernization of Police Forces Scheme (MHA/GOI) and the same was approved.

A vision of crafting moral – boosting joy for employees was realized when a forensic housing complex was inaugurated by the Hon'ble Chief Minister, Himachal Pradesh at Dharamshala.

The Himachal Forensics credo includes focus on meritocracy, transparency, accountability driven with an ethos and proven results. A very clear agenda has been set out to have a strong forensics-stakeholders interface to benefit the society at large.



(Dr. Arun Sharma)
Director Forensics Services

“Imagination is more important than knowledge. Knowledge is limited, imagination encircles the world”

Albert Einstein

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DIRECTORATE OF FORENSICS SERVICES

INTRODUCTION:

State Forensic Science Laboratory, Himachal Pradesh was created on 13-12-1988 at Police Headquarters, Shimla. State FSL primarily caters to the needs of investigating agencies viz. Police, Vigilance, CID. Also, rendering service to the judiciary, universities, boards, banks, enquiry commissions and other Government Departments. Before State FSL came into existence, the said departments were dependent on central government institutions: Central Forensic Science Laboratories, Government Examiner of Questioned Documents and Serologist to the Government of India, Kolkatta. State FSL started functioning



from barracks of Police Complex Bharari, Shimla with two divisions encompassing four specialities namely Biology & Serology and Chemistry & Toxicology. State FSL moved to Junga in 1996 and started functioning from the premises of Police Training School. Two more divisions encompassing four specialities viz. Documents & Photography and Physics & Ballistics were created in 1997 and became functional in the year 2000. In the year 2006, two more divisions viz. DNA and NDPS were created in State FSL, Junga. In order to ensure independent functioning of an investigating agency working on scientific principles, the State FSL was placed directly under Home & Vigilance department in the year 2005. To give a fillip to the investigation, two Regional FSLs were created at Dharamshala & Mandi in 2006 and have been housed in newly constructed complexes in 2012 and 2013. Further, for more administrative and financial autonomy, the Director, State FSL was declared Head of the Department in the year 2009 and included in the government Civil List in 2014. For the continuous development of Forensic Science in the Himachal Pradesh, the First Five year Perspective plan (2014-19) was approved in the 8th meeting of HPFSDB in the year 2014.

A First: Disaster Victim Identification (DVI) cells were established in State FSL & RFSLS in 2014-15 as per Interpol guidelines. The new nomenclature Directorate of Forensic Science (DFS) has been approved by the Govt. in accordance with the HP Police Act, 2007 and notified in the Business of the Govt. of Himachal Pradesh (Allocation) Rules, 1971 in the year 2015-16. Voice analysis & Digital Forensics at State FSL, DNA facility at RFSL, NR Dharamshala, RFSL, CR, Mandi and First District Forensic Unit (DFU) at Bilaspur were sanctioned in 2015-16. Expert Testimony through video conferencing, first of its kind in the country, to save experts time spent in transit was made operational in the year 2015.

A scheme was designed, approved and operationalized in 2017 for disposal of Bio-Medical Waste from the labs. The H.P. Forensic Document Examiner and Finger Print Examiner Authority (2017) for private practitioners was approved by the government. The Directorate of Forensic Science has signed first MOU with IIT, Mandi in 2017. The Forensic Psychology Division was sanctioned in 2017 at State FSL. The Cell phone analysis facility and Forensic

Auditing facility, the latter being first of its kind in the country, to detect frauds through digital evidences was created at RFSL, NR, Dharamshala by acquiring equipments and infrastructure in 2017-18. With a new initiative to keep the morale high of the scientists, the Directorate level Award Scheme was started during the 30th year Raising day Celebrations of the Directorate in the year 2017.

Two new specialities viz Lie Detection and Voice Analysis became operational (2018) at State FSL after acquiring infrastructure and equipments like Polygraph, Layered Voice Analysis (from Israel) in Lie detection Division; Voice Analysis System (From Ireland) in Voice Analysis Division. Also, Voice analysis facility and Cell phone forensics facility were extended to RFSL, CR, Mandi & RFSL, NR, Dharamshala, respectively.

Himachal Forensics has taken a lead by making amendment in the HP Police Act, 2007 in the year 2018 to bring administrative reforms wherein the Forensics Directorate would be headed by the Director General (Forensics), Forensic set-up at Range would be headed by the Range Director and District Units would be headed by the Assistant Director/Dy. Director besides integration of Finger Print Bureau with the Directorate of Forensics Services to bring all forensic facilities under one umbrella.

Himachal Forensics scaled new heights to emerge first amongst State & Central Forensic Labs in the country after becoming member of Asian Forensic Sciences Network (AFSN). Also DFS, HP appeared on the global map in 2018 when succeeded in getting ISO/IEC 17025:2005 accreditation from NABL and became fifth State FSL & first RFSL NABL accredited labs in the country. Likewise, NDPS division of State FSL got registered with the United Nations Office on Drugs & Crime (UNODC) to participate in the International Collaborative Exercise (ICE) as a measure of quality assurance programme with the United Nation Lab.

With the success of Video Conferencing facility at State FSL, the infrastructure was created and made operational in RFSL, NR in the year 2018 under the State Innovation Scheme of the state Govt. and was inaugurated by the Hon'ble Chief Minister in Nov. 2018.

Two Cyber Training Centres, State-of-the-art cyber forensic labs, at State FSL & RFSL Dharamshala were established with the funds received to the tune of Rs. 1.65 crore under Prevention of Cyber Crime against Woman & Children scheme (CCPWC/MHA, GOI). Further, the foundation stone to house DNA facility at RFSL, NR was laid by the Hon'ble Chief Minister in the year 2018.

A proposal of Rs. 7.29 crore was approved by the Govt. of India to strengthen DNA lab and Cyber Forensic Lab to bring down pendency of the cases in the year 2019 and released first installment of Rs. 3.59 crore in first phase.

A good measure of strengthening and expanding forensic network in the state was undertaken and Hon'ble Chief Minister, Himachal Pradesh announced two new offices viz. District Forensic Units (Baddi in Southern Range and Nurpur in Northern Range) in the budget speech for the financial year 2019-20.

Also, the State FSL and RFSLs are the approved centres for crime case analysis of Central Investigation Agencies viz. National Investigation Agency (NIA) and Central Bureau of Investigation (CBI) and the department earned appreciation from the NIA in a case of ISI agent examined by this directorate.

MANDATE

- ◆ ANALYSIS OF CRIME EXHIBITS/CLUES IN THE LAB
- ◆ SCENE OF CRIME EXAMINATION & RECONSTRUCTION
- ◆ FORENSIC INTELLIGENCE & ADVISORY ROLE
(To put investigation on the right track in the beginning itself)
- ◆ EXPERT TESTIMONY IN COURTS/ENQUIRY COMMISSIONS
- ◆ TEACHING, TRAINING AND PUBLIC AWARENESS
- ◆ RESEARCH & DEVELOPMENT IN FORENSICS



Expert Testimony through Video Conferencing facility, 1st of its kind in the Country, commenced at RFSL, NR, Dharamshala in 2018.

DUTIES AND RESPONSIBILITIES

Director

- Examination, evaluation, comparison of clue materials and to submit scientific reports.
- To testify or give evidence before Judicial/Semi-judicial/Inquiry authority as and when required.
- Examination of scene of crime and submission of reports.
- Research in Forensic Science and related fields.
- Teaching and training of IOs/NGOs of Police Prosecution and Judiciary in Forensic Science.
- Any other scientific and administrative work assigned by the, senior officers /Government.
- Besides above duties, he is the head of the Directorate as well as Controlling Officer and has to perform duties related to it. He has to manage all the scientific matters for the overall scientific development of the Institution for the incorporation of new technology.

Deputy Director

- Examination, evaluation, comparison of clue materials and to submit scientific reports.
- To testify or give evidence before Judicial/Semi-judicial/Inquiry authority as and when required.
- Examination of scene of crime and submission of reports.
- Research in Forensic Science and related fields.
- Teaching and training of personnel in Forensic Science and related fields.
- He/she will be responsible for efficient working of the division(s) and expeditious disposal of work/cases pertaining to the division(s) by giving quality reports.
- He/she will render all assistance to the Director, Forensics Services in updating and introducing new technologies in the division(s).
- Any other work related to scientific or administrative nature assigned to him by the Director Forensics Service/Government.
- Besides above duties, he is required to assist the Director, Forensics Services in the matters of scientific and administrative nature. He is the supervisory officer and Divisional in-charge of at least two Divisions and has to guide the Scientists working under him. Management of Scientific and Administrative work has also to be looked after by him under the guidance of Director, DFS/HP.

Assistant Director

- Examination, evaluation, comparison of clue materials and to submit scientific reports.
- To testify or give evidence before Judicial/Semi-judicial/Inquiry authority as and when required.
- Examination of scene of crime and submission of reports.
- Research in Forensic Science and related fields.
- Teaching and training of personnel in Forensic Science and related fields.
- He/she will be responsible for efficient working of the division(s) and expeditious disposal of work/cases pertaining to the division(s) by giving quality reports.
- He/she will render all assistance to the D/DFS in updating and introducing new technologies in the division.
- Any other work assigned by senior officers/Govt.
- He/she is Divisional in-charge of his/her division. He also supervises and guide the

scientific and technical staff of his division concerned in Administrative and scientific matters.

Scientific Officer

- Examination, evaluation, comparison of clue materials and to submit scientific reports.
- To testify or give evidence before Judicial/Semi-judicial/Inquiry authority as and when required.
- Examination of scene of crime and submission of reports.
- Research in Forensic Science and related fields.
- Teaching and training of personnel in Forensic Science and related fields.
- He/she will be responsible for efficient working of the division(s) and expeditious disposal of work/cases pertaining to the division(s) by giving quality reports.
- He/she will render all assistance to the D/DFS in updating and introducing new technologies in the division.
- Any other work assigned by senior officers/Govt.
- He/she is also in-charge scientific unit of staff working under him /her and also has to guide and supervisor the Unit.

Scientific Assistant

- Examination, evaluation, comparison of clue materials and to submit scientific reports.
- To assist the officers/Experts in examination of scene of crime and the exhibits in the laboratory.
- Assistance in research in Forensic Science and related fields under the supervision of experts.
- Assistance in practical demonstration during teaching and training.
- Any other work assigned by the senior officers.
- He/she will also be assist in keeping the laboratory and equipments in order for scientific examination and shall help in expeditious disposal of work/cases pertaining to the division and also to help in the preparation of quality reports.
- He/she will also render all assistance to the senior officers in the division in updating and introducing new technology in the division.

Laboratory Assistant

- He/she is required to assist SA/SO/AD/DD and Director in examination evaluation and comparison of clue material especially for systematic arranging of exhibits and reagents.
- To maintain register of the division concerned for making entries of the exhibits/cases received in the division. He/she also has to maintain all the records of chemical, glassware and equipments and to prepare data whenever required.
- To perform another duties assigned by senior officers.

Laboratory Attendant

- To clean the laboratory tables / apparatus sinks, shelves, furniture and other items in the division.
- To hold and carry exhibits, glass-apparatus, reagents from where required.
- To cut open /seal the exhibits of the Division in the presence of experts and to carry them from one Division to another or to Crime branch.
- To perform any other duties assigned by senior officers for the cleanliness of the laboratory as a whole and for carrying materials and other items for the functioning of the laboratory.

HIMACHAL PRADESH FORENSIC SCIENCE DEVELOPMENT BOARD

The Government of Himachal Pradesh constituted Himachal Pradesh Forensic Science Development Board vide Notification No. Home (A)B(12)3/94 dated 09.12.2005 to augment forensics in Himachal Pradesh with specific terms of reference including implementation of National Human Rights Commission Core Group Report-1999 in a phased manner. The composition and terms of reference of H.P. Forensic Science Development Board is as under:

NOTIFICATION

The Governor, Himachal Pradesh, is pleased to constitute the Himachal Pradesh Forensic Science Development Board in the following manner in order to encourage the development and use of Forensic Science for investigation of crime in the state:-

Hon'ble Chief Minister, Himachal Pradesh.	Chairman
Chief Secretary to the Govt. of H.P.	Vice-Chairman
Advocate General, Himachal Pradesh, Shimla.	Member
Addl. Chief Secretary/Pr. Secretary (Finance) to the Govt. of Himachal Pradesh.	Member
Pr. Secretary (Home) to the Govt. of H.P.	Member
Director General of Police, Himachal Pradesh.	Member
Director-cum—Chief Forensic Scientist, Directorate of Forensic Science, MHA, GOI, New Delhi or Regional Forensic Science Lab. Chandigarh.	Member
Director, Vigilance, Himachal Pradesh.	Member
Director, Prosecution Govt. of Himachal Pradesh.	Member
Director, State Forensic Science Lab. H.P.	Member Secretary
Addl. Director General (APT), H.P. Shimla.	Member
Professor & Head, Deptt. Of Forensic Medicine, IGMC, Shimla.	Member

The Vice Chairman shall preside over meetings of the Board in the absence of the Chairman. The Board may co-opt experts for any meeting of the Board. TA/DA of members and experts, if any, shall be borne by parent organization. The Board will be serviced from the Forensic Science Lab. Junga.

The Board shall meet quarterly to monitor development, proper functioning and progress of the Forensic Science set-up in Himachal Pradesh and shall approve a five year Perspective Plan as well as Annual Plans of Action for induction of Forensics into investigation and prosecution.

Terms of reference:

The terms of reference of the Board shall be as under:-

1. To lay down basic policies in application of Forensic Science to crime investigation and to ensure progressive development of Forensic Science services in the State in a time bound manner.
2. To oversee implementation of the recommendations contained in the National Human Rights Commission Core Group Report-1999, Plan for modernization of Forensic Science set-up in Himachal Pradesh 2000 and the two member committee report on Forensic Science submitted by Dr. M. S. Rao, Director-cum-Chief Forensic Scientist, Ministry of Home Affairs, Govt. of India, New Delhi on 31.3.2000 to Home Department in a phased manner.

3. To ensure autonomy, transparency, impartiality and credibility of the Forensic Science reports in the State and that of the Forensic Science institutions.
4. To identify needs for creation of different specialties/facilities in Forensic Science set-up in the State and providing facilities for the same. This will include creation of Regional Forensic Science Laboratories with mobile units at Range headquarters in Himachal Pradesh for providing quick response Forensic Science at the scene of crime.
5. To ensure that forensic inputs are effectively utilized in investigation and prosecution and to lay down training and communications policies for the purpose.
6. To analyze important cases of investigation/prosecution failure to identify additional forensic inputs that may be necessary to raise the success rate of conviction.
7. To approve the Annual Report of the Forensic Science Lab. and its contribution to investigation and successful Prosecution.

(BY ORDER)

Chief Secretary

to the Government of Himachal Pradesh

First time, Five Years Perspective Plan 2014-2019 was approved in 8th meeting of HP Forensic Science Development Board held on 22.7.14. The major targets of the years: 2014-2015, 2015-2016, 2016-2017, 2017-2018 and 2018-2019 of the approved perspective plan have been achieved and have even exceeded the planned targets e.g. first time the department was included in business of the Govt. of Himachal Pradesh (Allocation) Rule 1971, the HP Forensic Document and Finger Print Examiner Regulatory Authority, 2017 for private practitioner was approved. An amendment in 2018 was made in the HP Police Act, 2007 to define the authorities to head the organization set-up at different levels and integration of FPB with DFS/HP. Also, membership of AFSN, registration with UNODC, PT Testing at International level, two cyber training centers under CCPWC Scheme and ISO/IEC 17025:2005 accreditation from NABL of State FSL & RFSL, NR was achieved.



NABL assessors team during final assessment for getting ISO/IEC 17025:2005 accreditation at DFS/HP in 2018.

PURCHASE OF STORES

There is no separate wing to effect purchases in the department. In order to bring transparency, the Government vide notification No. Home-C(C)14-1/2 dated 13.3.2007 constituted a committee to have all major purchases in Machinery & Equipment and Material & Supply budget head through the purchase committee. The composition of the committee is as under:

NOTIFICATION

In supersession to this department notification of even number dated 27.2.2007, the Governor, Himachal Pradesh is pleased to re-constitute a purchase committee consisting of following officers in the office of State Forensic Science laboratory, Junga to effect purchases and authorization of expenditure in Machinery and Equipments/Material and Supplies from sources as required/necessitated in view of provisions contained in H.P. Financial Rules, 1971:-

- | | | |
|----|---|-----------------|
| 1. | Director, FSL | Chairman |
| 2. | Commandant/Asstt. Commandant
Police Battalion at Junga. | Member |
| 3. | Assistant Director/Scientific Officer
of concerned Division of SFSL. | Member |
| 4. | S.O. (Accts.), PHQ | Member |

(BY ORDER)

Pr. Secretary (Home)
to the Government of Himachal Pradesh

New initiatives in purchase

- Purchase through e-tendering
- Purchase through GeM portal



A view of newly installed GC-HS & GC-MS in Chemistry & Toxicology Division of State FSL, HP

STATE FORENSIC SCIENCE LABORATORY

INTRODUCTION:

Headquarters of Himachal Pradesh Forensics Services and State FSL are located at Junga. Junga remained capital of erstwhile princely state Keonthal ruled by Chandrabansi dynasty. HH Hitender Sen, 77th Raja, was the last ruler of Keonthal state. Junga is strategically located at the centre of the triangle formed by Shimla, Chail and Kufri, famous tourist destinations, at an elevation of 5350ft. State FSL is located at a distance of 25 km from the state capital of Himachal Pradesh, where first finger print bureau of the world remained (1905-1922) and the second oldest forensic institution in the world 'GEQD Shimla' was established in 1904. The weather at Junga remains pleasant throughout the year.

The State FSL complex comprises of an administrative block, laboratory blocks and residential blocks. The covered floor area of administrative & laboratories blocks is about 33000 square feet. The State FSL receive cases for examination from the districts of southern range viz. Shimla, Kinnaur, Solan and Sirmour. For DNA, Lie Detection and NDPS cases, the State FSL caters to the needs of all thirteen police districts of Himachal Pradesh. Analysis of crime exhibits and research problems require consultation of literature. Accordingly, a library with books and journals is available. To keep pace with international scenario, the institution subscribes to journals and is on the e- mailing list of Royal Canadian Mount Police Journal (RCMP) and FBI bulletin (U.S.A) since 2013.

A First: Expert testimony through Video Conferencing facility was established at Forensics Headquarters and inaugurated by Hon'ble Chief Minister, HP in 2015. A Pilot Project "One District one Police Station" (ODPS), first of its kind in the country, has been launched by the Hon'ble Chief Minister, Himachal Pradesh, for PS Sadar Shimla in 2017. On the eve of 2nd Raising Day celebrations in 2017, two officers were felicitated in the field of (a) Forensic Excellence in Lab Work, (b) Forensic Excellence in Crime Scene Management.

State FSL got ISO/IEC 17025:2005 accreditation from NABL and became fifth in the country. NDPS division of State FSL got registered with the United Nation Office on Drugs & Crime (UNODC). Also, the Cyber Training Centre, state-of-the-art cyber forensic labs, at State FSL was established in 2018 under CCPWC Scheme of MHA, GoI.

1st time 40 Dist. Sessions & Addl. Sessions Judges from Bangladesh visited for one day study tour on 25-2-2019. General awareness about forensics through exhibitions in different International fairs of the State and through Tableau participation in State level Republic Day celebrations are organized by State FSL every year.

The construction work of Forensics Headquarters complex-cum-Super-Speciality block with an estimated cost of Rs.10 crores is going to be completed in the year 2019. The State FSL is modernised with advanced instrumentation like GC, GC-MS, GC-HS, Facial Recognition System, Gun Resting Stand, Oxygen, Cyber Workstations, DNA Sequencer (24 capillaries), PCR Machine and Bio-Robot in the year 2018-19.

WORKING:

There are ten scientific Divisions with fourteen specialties. Presently, Voice Analysis work is undertaken in Physics and Ballistics and Digital evidence analysis is undertaken in Document and Photography Division. Finger Print Bureau was integrated in the year 2018 with the DFS/HP. Acquisition of manpower and equipment is in progress for new specialties.

- ◆ Biology & Serology Division.
- ◆ Chemistry & Toxicology Division.
- ◆ Physics & Ballistics Division.
- ◆ Documents and Photo Division.
- ◆ NDPS Division
- ◆ DNA Division
- ◆ Forensic Psychology Division
- ◆ Finger Print Bureau
- ◆ Voice Analysis Division
- ◆ Digital Forensics Division



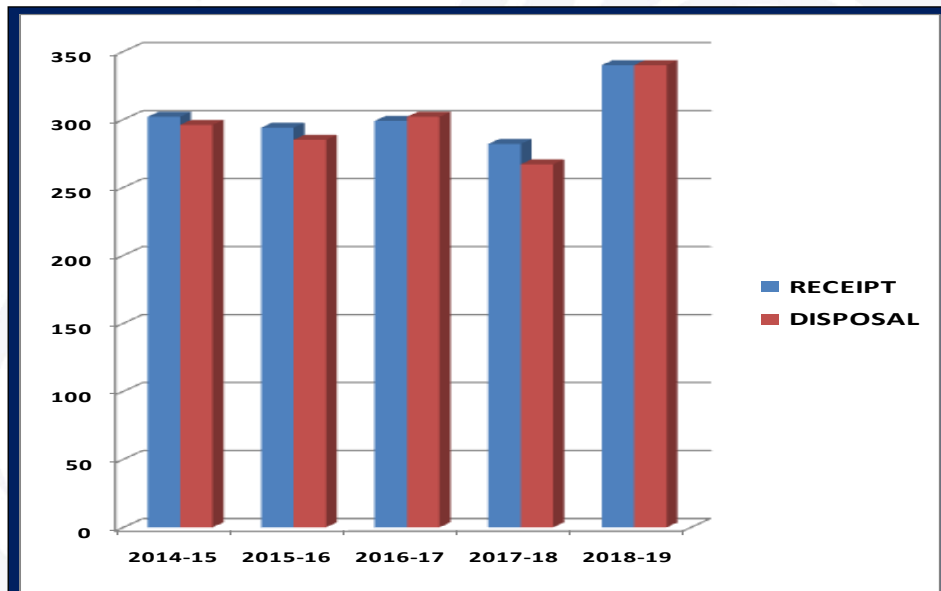
Lie Detection facility in State FSL

BIOLOGY & SEROLOGY DIVISION

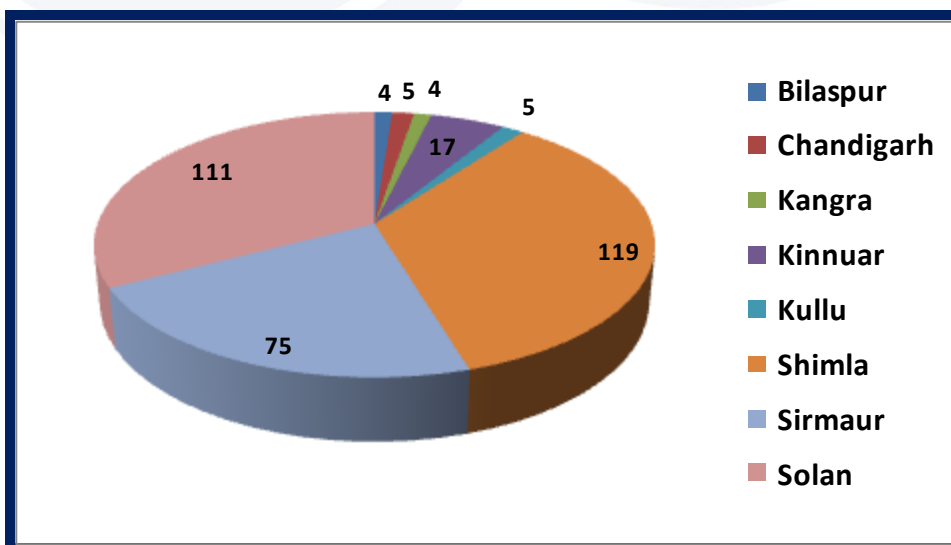
Evidences of biological origin play a vital role in cases of homicide, suicide or accidental death, sexual assaults and in cases of wildlife (flora and fauna) besides ante-mortem or postmortem drowning. The clues are examined for the purpose of identification and comparison with control samples. Types of evidences examined are given as under:

- ◆ Blood, semen and saliva
- ◆ Vomit, faecal matter
- ◆ Tissues and skin in partially burnt bodies/dowry deaths/hanging cases
- ◆ Bone (animal and human) age, sex in respect of human bones
- ◆ Hair (animal & human), fiber, feather
- ◆ Maggots (Forensic Indicators)
- ◆ Wood and plant identification
- ◆ Wildlife Cases (examination of animal skin, blood, flesh)
- ◆ Diatom from bones

CASE STATISTICS



DISTRICT WISE RECEIPT 2018-19

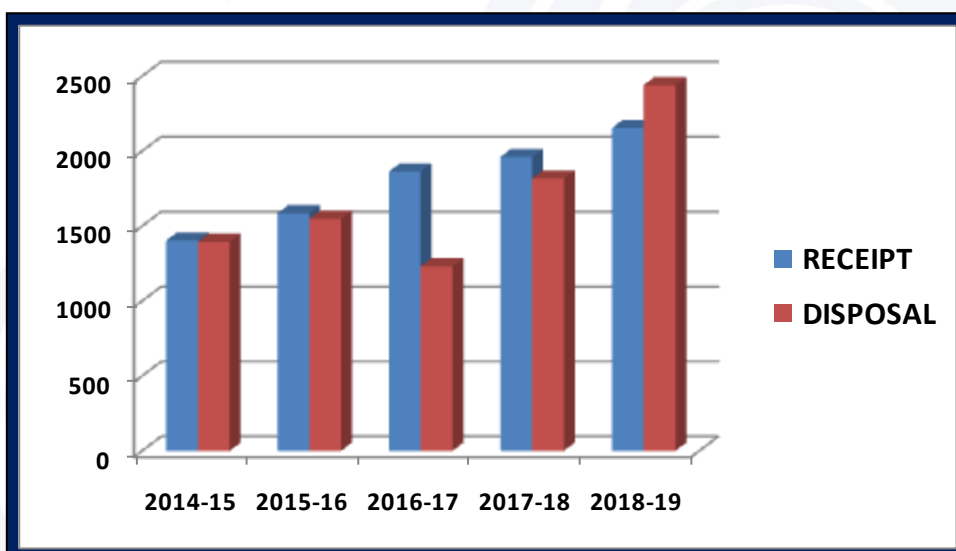


CHEMISTRY & TOXICOLOGY DIVISION

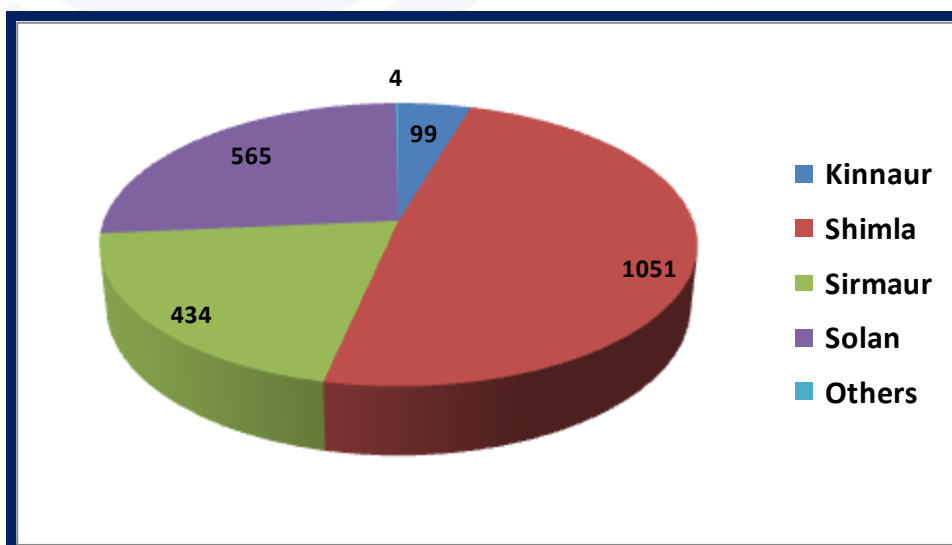
Himachal Pradesh is known as fruit bowl and insecticides and pesticides are widely used. That makes the poisons' accessibility easy to the common man and cases of deaths due to poisons are more. In addition more than one thousand and two hundred deaths are reported on the roads per annum due to road accidents in Himachal Pradesh, thereby, contributing towards more cases of viscera analysis workload. The division undertakes examination of clue materials such as:

- Chemical identification of unknown substances
- Poisons from viscera samples
- Petroleum products residues in arson , dowry deaths & in adulteration cases
- Alcohol from blood and urine for drunkenness
- Acid and alkali attacks
- Grease, Wax, natural oils and resins
- Trap cases
- Hooch tragedy cases
- Cosmetics and organic dyes
- Liquor cases

CASE STATISTICS



DISTRICT WISE RECEIPT 2018-19

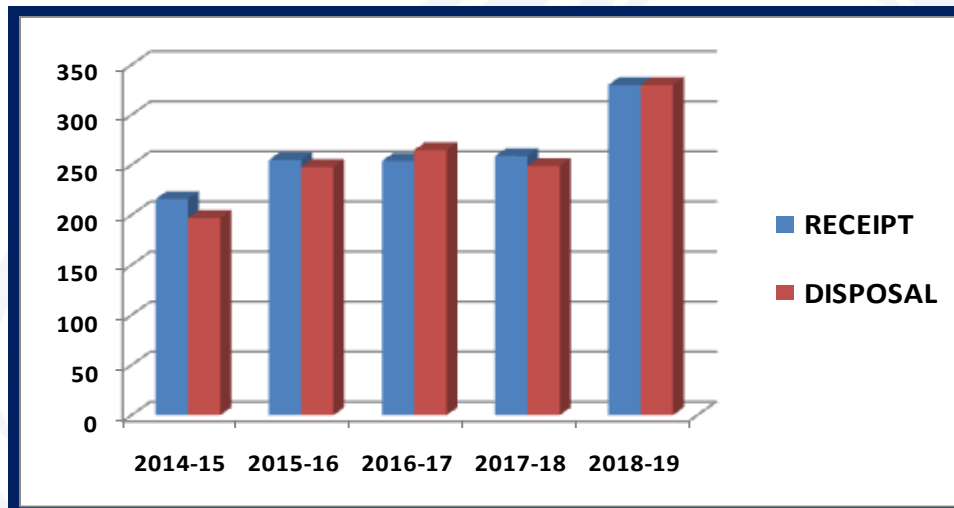


PHYSICS & BALLISTICS DIVISION

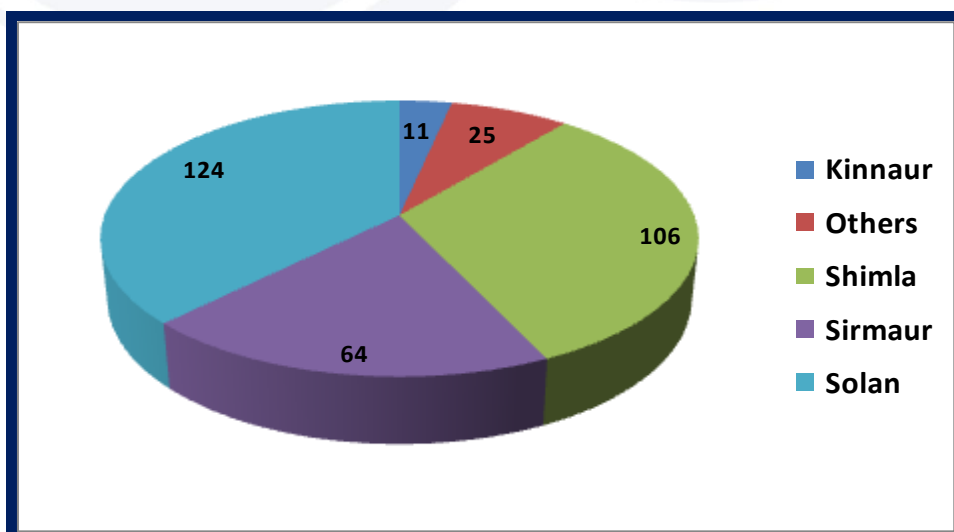
This Division plays a vital role in Crime Scene Management and undertakes examination of physical evidence found at the scene of crime so as to get essential breakthrough in the investigation process. The founder Director examined and reported Physics & Ballistics cases till September 1993 when he demitted the office. Examination work stopped and commenced again when new staff was posted in 1999. The Physics & Ballistics division undertakes examination of clue materials such as:

- Tool marks & telephone cables
- Footprints, shoe prints & tyre marks, skid marks
- Paint and glass
- Building materials & Bitumen
- Paper & fiber
- Metal adulteration in jewellery
- Soil, sand & grit
- Shining globule formation in electric short circuiting
- Resuscitation of number of stolen vehicle chassis and firearms
- Firearms, ammunition & gunshot residues etc
- Facial comparison
- Voice Analysis

CASE STATISTICS



DISTRICT WISE RECEIPT 2018-19



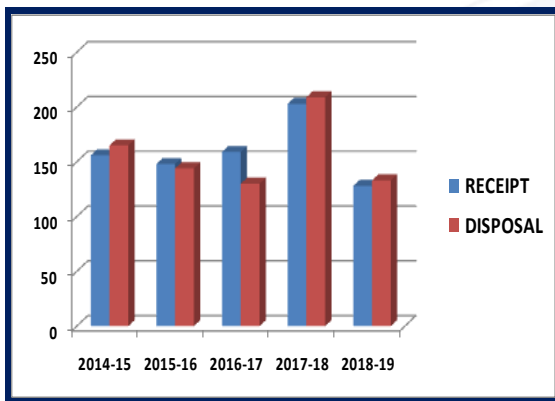
DOCUMENT & PHOTOGRAPHY DIVISION

The founder Director examined and reported cases of handwritings, frauds & forgery, alteration, obliteration, additions, substitutions etc., till September 1993. Examination work stopped and commenced again when new staff was posted in the year 2000. With new initiative, in 2010, cases pertaining to computer forensics which include analysis of hard disks, pen drives, memory cards, floppies, compact disks, digital video recorder, etc. commenced. In 2013, cell phone forensics became operational. The division undertakes examination of:

- Handwritings, signatures, type writings, computer print outs & printed materials
- Additions, Alteration, obliteration, substitutions, erasures
- Stamps & seals, counterfeit currency
- Security documents, currency, passports, credit & debit cards
- Burnt & soiled documents, paper and ink analysis
- Scene of crime photography
- Inter and intra division photography

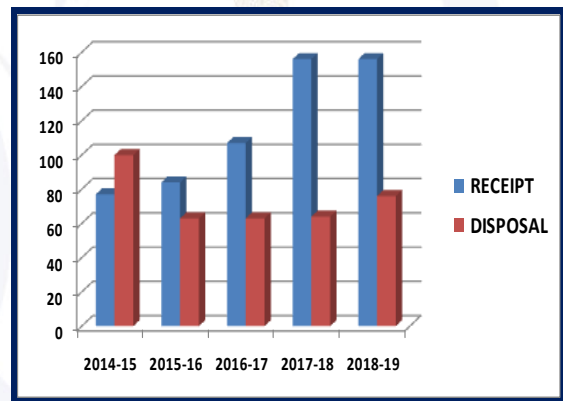
DOCUMENT & PHOTO DIVISION

CASE STATISTICS

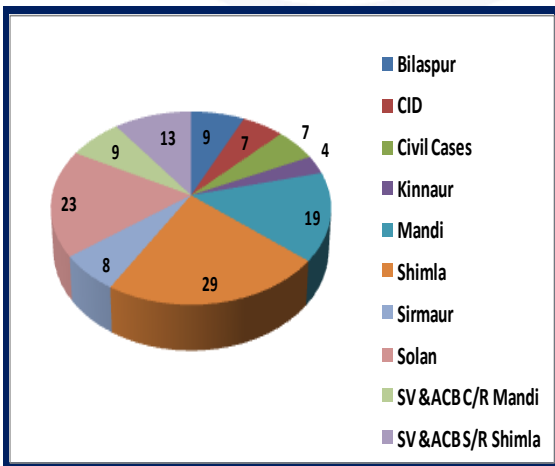


CYBER UNIT

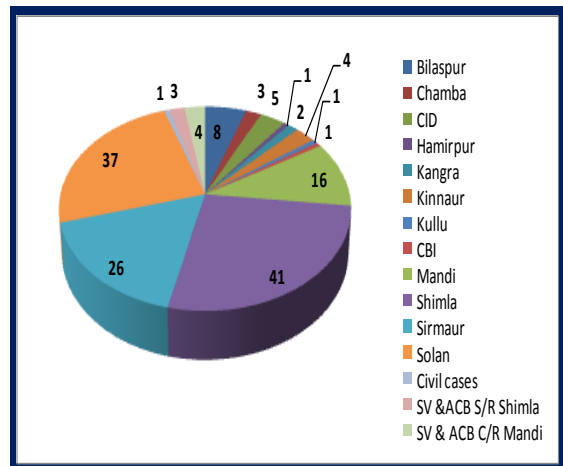
CASE STATISTICS



DISTRICT WISE RECEIPT 2018-19



DISTRICT WISE RECEIPT 2018-19

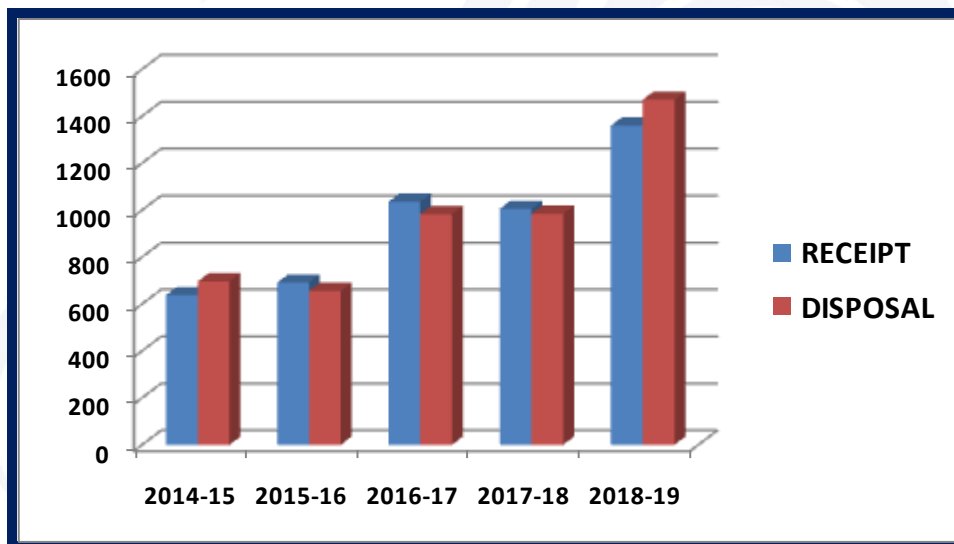


NDPS DIVISION

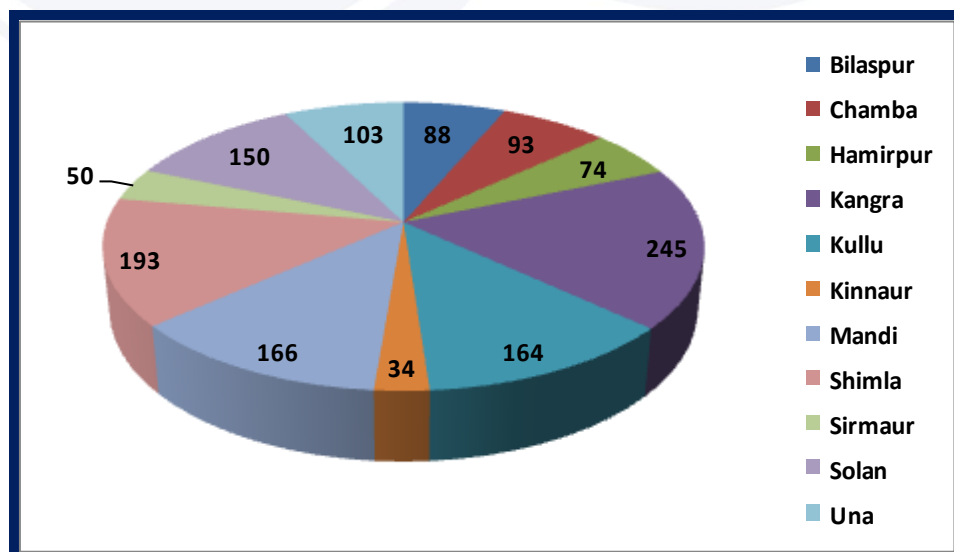
With the rise in the number of Narcotic drugs and psychotropic substances cases in Himachal Pradesh due to influx of foreign nationals for world famous MALANA cream (hashish derived from the flower of female cannabis ‘Bhang’ plant), the Government of Himachal Pradesh established dedicated NDPS division in 2006. There was substantial increase in the receipt of cases due to special drive launched against drug menace by the investigation agencies and the Govt.. This division, from time to time, assisted the Hon’ble High Court & Supreme Court of India. The division noted an increase in the amount of high potency drugs such as LSD, amphetamine (MDA) & methamphetamine (MDMA) submitted during the period. The division undertakes examination of the followings:

- Opium, poppy straw, heroin/smack/brown sugar
- Charas, ganja, bhang & hashish oil
- Cocaine
- LSD, amphetamines & methamphetamines
- Benzodiazepines & pharmaceutical preparations containing NDPS drugs
- Manufactured & Designer drugs

CASE STATISTICS



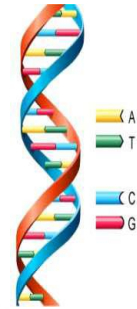
DISTRICT WISE RECEIPT 2018-19



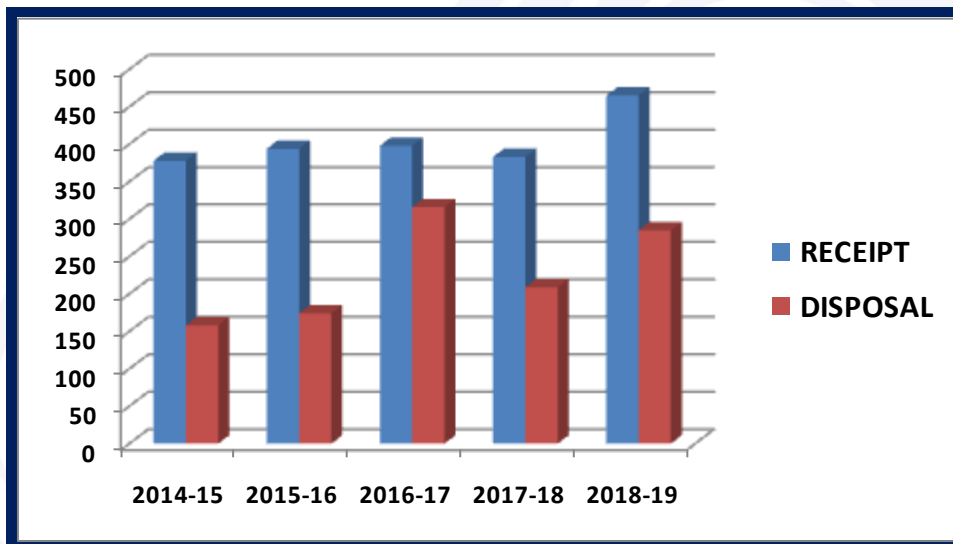
DNA DIVISION

With the rise in offences against body like sexual assaults, homicides etc, there was a need to provide better linking evidence. The government of Himachal Pradesh created dedicated DNA division in the year 2006. With the new initiative, the technique was introduced in Biology & Serology division by developing infrastructure and made functional in 2008. DNA profiling is done in cases of disputed parentage, homicide, sexual assaults, burglary & in identity problems. This division assisted the Hon'ble High Court in 2018 and in 2019. The division undertakes DNA profiling of biological clues such as:

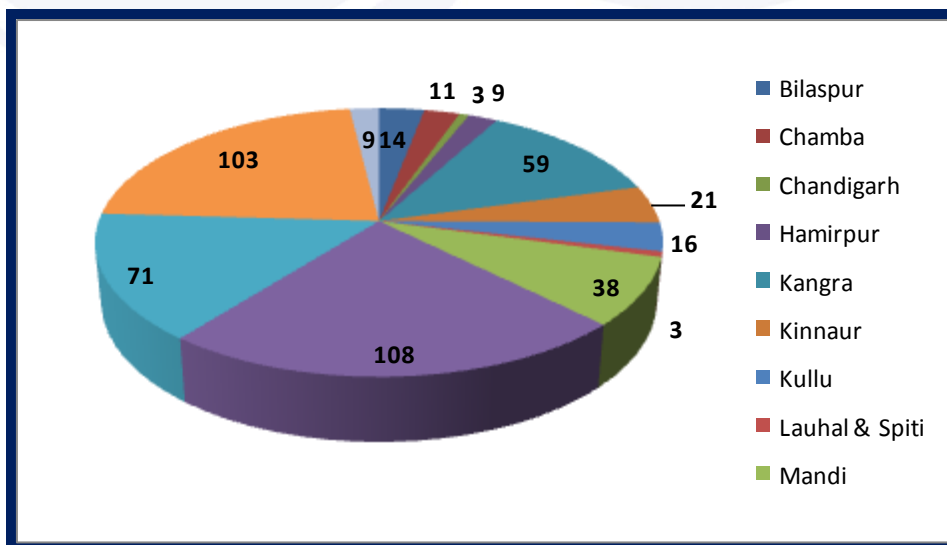
- Human body fluids (blood, semen, saliva, urine etc.)
- Human body tissues (hair, skin, flesh & bone)
- Nail bed materials
- Teeth
- Vomit
- Foetal remains & retained product of conception
- Cigarette butts



CASE STATISTICS



DISTRICT WISE RECEIPT 2018-19



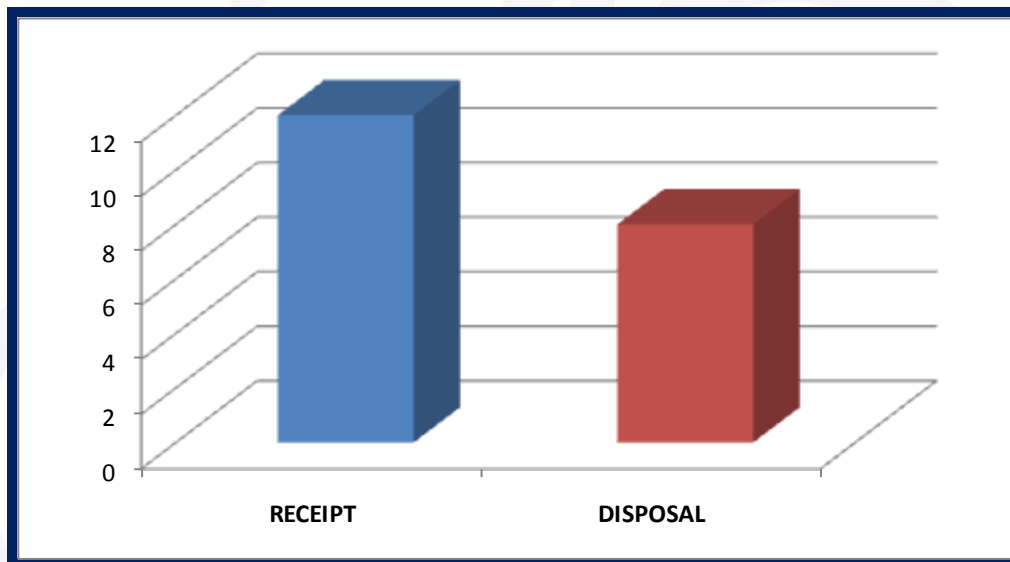
FORENSIC PSYCHOLOGY DIVISION

With the increased awareness in the society about protection of human rights, scientific interrogation techniques in crime investigation have become imperative to replace third degree methods of interrogation. This approach is an ideal conforming to scientific protocols of interrogation in all types of crime and economizes the interrogation process by screening the large number of suspect/subjects in a short time without violation of human rights.

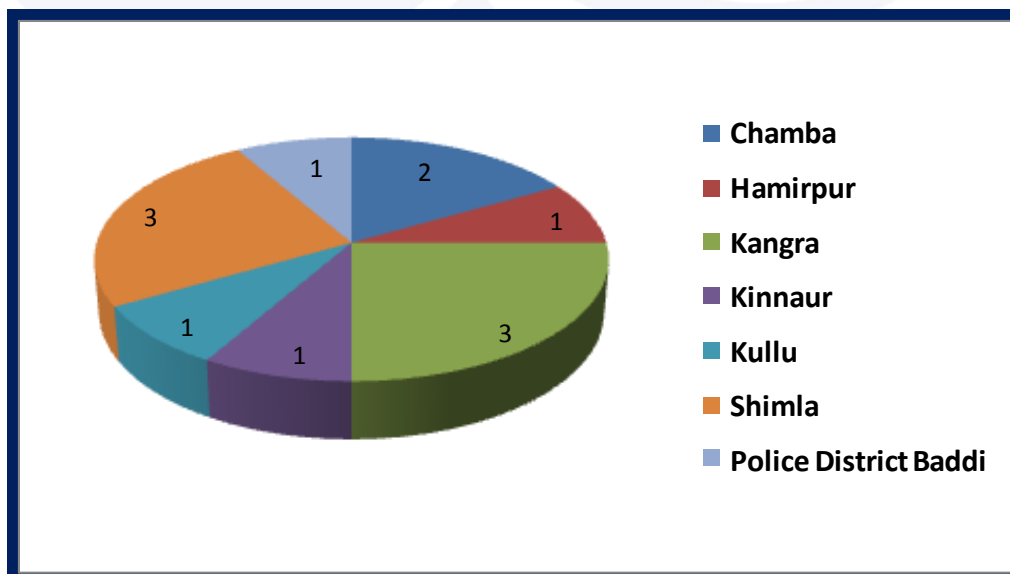
Operationalization of Lie detection facility was included in the 100 days targets of the Govt. and succeeded to provide new facility in crime investigation by using Polygraph machine. Himachal Forensics became third in the country after acquiring a new tool in lie detection “Layered Voice Analysis” from Israel and it will be installed soon. The division undertakes the examination on the subjects to check:

- Veracity of the statements of suspect, witness & complainants.

CASE STATISTICS 2018-19



DISTRICT WISE RECEIPT 2018-19

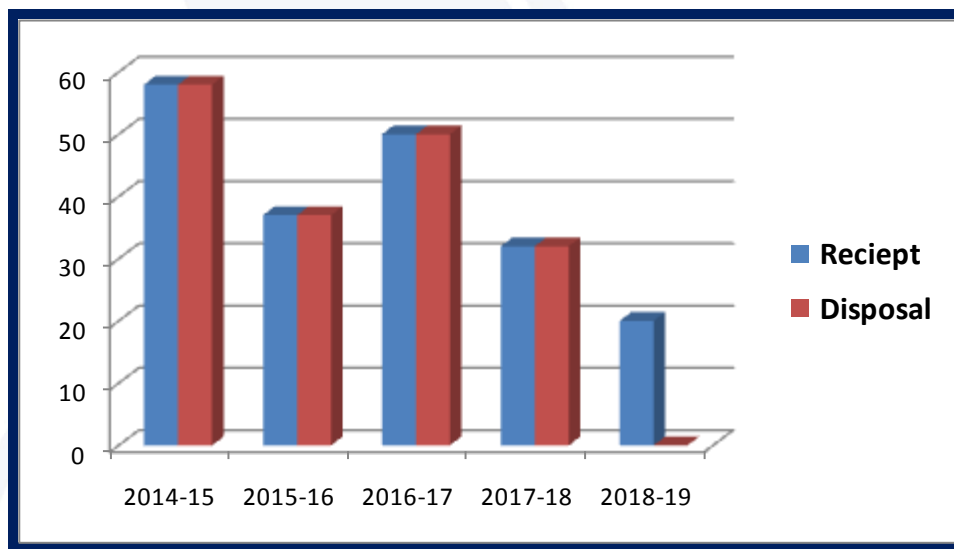


FINGER PRINT BUREAU

Himachal Police remained dependent on Punjab Finger Print Bureau for records of convicts, search of arrestees, comparison of chance prints as well as for training purposes till 2009. Himachal Pradesh Finger Print Bureau was notified in 2006 under Criminal Investigation Department and is presently located in the campus of Police Line, Bharari, Shimla.

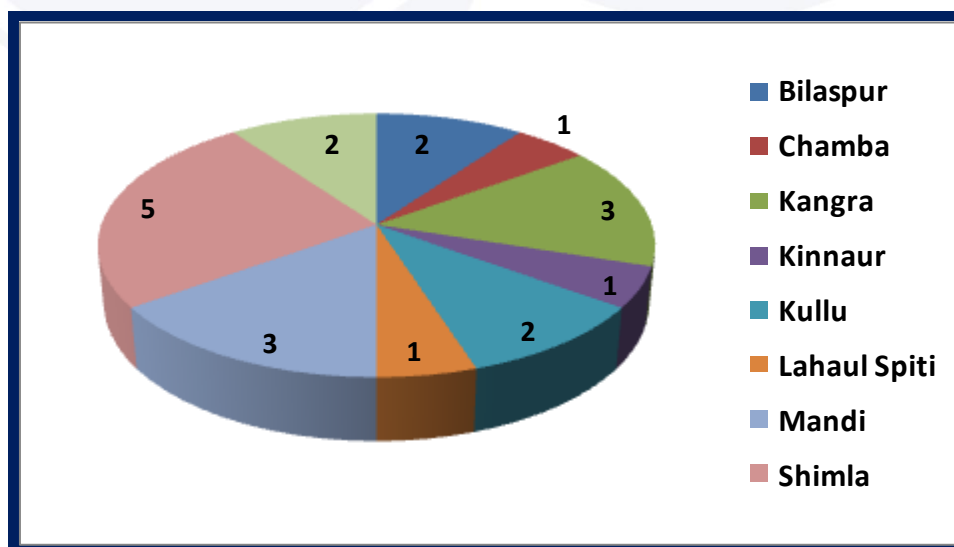
With a vision to modernize the FPB conforming to scientific standards, the FPB was integrated with the Directorate of Forensics Services after amendments in the HP Police Act, 2007. National Crime Record Bureau (MHA/GoI) has committed to provide Automated Finger Print Identification System (AFIS) at State level and Live Scanners at District level in order to make Finger Print Comparison possible from the scene of crime instantly (Tele-Forensics) to give lead in the crime investigation. The NABL accreditation of FPB was initiated. Soon, digitization of all finger prints conforming to NIST standards will be undertaken.

CASE STATISTICS



(1988-2017)
& beyond

DISTRICT WISE RECEIPT 2018-19



TEACHING & TRAINING

Name & Designation	No. of lectures / demonstrations
Dr. Arun Sharma, Director	52
Dr. G. C. Thakur, Assistant Director	16
Dr. V.S. Jamwal, Assistant Director	15
Sh. Visheshwar Sharma, Assistant Director	21
Dr. Vivek Sahajpal, Assistant Director	19
Sh. Kapil Shrama, Assistant Director	11
Dr. Sanjeev Kumar, Assistant Director	19
Sh Chaman Lal Sharma, Scientific Officer	8
Sh. Nasib Singh, Scientific Officer	31
Dr. Neelam Kaushik, Scientific Officer	18
Dr. Shivani Vats, Scientific Officer	3
Sh.Kulbir Singh, Sub-Inspector	3
Sh. Ravinder Atri,Scientific Assistant	5
Sh. H.K. Bhardwaj, Scientific Assistant	7
Sh. Jaswant Singh, Scientific Assistant	24
HC Sanjeev Kumar FPB	101
HC Daya Lal, FPB	99
HCJagmohan Singh, FPB	99
HHC Lalit Kumar, FPB	100
HHC Ranvir Chand, FPB	99
Sh. Madan Gopal, Laboratory Assistant	10
Sh. Satya Prakash, Laboratory Assistant	27
Sh. Naresh Kumar, Laboratory Assistant	23
Sh. Sunil Kumar, Laboratory Assistant	2

“Continuous learning is the minimum requirement for success in any field”

Brian Tracy

TRAINING ATTENDED

Training is a key feature rather essential aspect of Human Resource Management. Training interventions often aim to affect the attitude as a way of honing up the skill and behavior. Accordingly, officers and officials are deputed from time to time to undergo training in different institutions.

Name	Course
Dr. Arun Sharma	• Training on Contemporary Issue on Management of the Dead following Disaster 4-6.12.2018 at GFSU, Gandhinagar, Gujarat
Dr. Arun Sharma & Dr. Sanjeev Kumar	• Course on effective implementation and Internal Audit of ISO/IEC17025:2017 laboratory Management System (LMS) and NABL Criteria on 23 - 26.4.2018 at FICCI Mumbai
Dr. Sanjeev Kumar & Sh. Nasib Patial	• Training on Voice analysis software ACUSTEK on 14-17.5.2018 at DFS, HP • Training on Voice and Speech System on 5-6.6.2018 at DFS, HP
Sh. Nasib Patial	• Scene of Crime Management and CCTV analysis 28.1-8.2.2019 at NICFS, Rohini, New Delhi
Sh. Sanjeev Kumar	• Training on Automated Comparator for finger prints on 24-28.1.2019 at State FSL, Delhi
Sh. Sanjeev Kumar & Sh. Daya Lal	• One day NABL Accreditation awareness Programme for Finger Print Bureau on 7.1.2019 at NCRB, N Delhi
Sh. Shani	• Training on Online Registration Software on 2.2.2019 at HIPA, Fairlawns, Shimla



Director, Forensics Services, Himachal Pradesh with Director General, GFSU, Gandinagar, Gujrat during the Training on Contemporary Issue on Management of the Dead following Disaster at GFSU, Gujrat

CONFERENCE/SEMINAR/WORKSHOP/SYMPOSIUM ATTENDED

Name	Remarks
Dr. Arun Sharma	<ul style="list-style-type: none"> • 10th Annual Asian Forensic Science Network meeting and Symposium w.e.f 4-8.9.2018 at Beijing, China • All India Conference on NABL Awareness Programme for Finger Print Bureau on 7.1.2019 at NCRB, New Delhi • One day Workshop on Women Safety on 19.2.2019 at Vigyan Bhawan, New Delhi
Dr. Arun Sharma & Dr. Sanjeev Kumar	<ul style="list-style-type: none"> • 3rd National conference on Forensic Science and Criminalistics at Galgotias University, Greater Noida on 21-22.4.2018
Dr. Arun Sharma, Dr. V.S. Jamwal, Sh. Kapil Sharma & Dr. Sanjeev Kumar	<ul style="list-style-type: none"> • National Conference on Emerging Trends in Forensic Science on 10-11.1.2019 at DFSL, Bengaluru, Karnataka
Dr. Arun Sharma, Dr. Sanjeev Kumar & Sh. N.S. Patial	<ul style="list-style-type: none"> • Two days workshop on Forensic Evidence Interpretation under the new Paradigm on 22-23.3.2019 at RFSL, CR, Mandi
Dr. Vivek Sahajpal	<ul style="list-style-type: none"> • Sexual Assault Case Workflow at Thermofisher Scientific at Gurugram on 12-13.6.2018
Dr. Sanjeev Kumar	<ul style="list-style-type: none"> • Workshop on Online Registration Software on 1.12.2018 at HIPA, Fairlawns, Shimla • 19th International NSG Seminar at National Security Guard, Maneser, Gurugram, Haryana on 13-14.2.2019
Sh. Nasib Singh	<ul style="list-style-type: none"> • National Conference on “Challenge and Innovation in Criminal Justice” on 21-22.2.2019 at Bundelkhand University, Jhansi, UP
All officers of State FSL, RFSL, NR & CR	<ul style="list-style-type: none"> • Workshop on “Implementation of e-forensics in Forensic set up of Himachal” through Video Conferencing on 5.2.2019 from NIC, Shimla

WORKSHOP/SEMINAR/MEETING ORGANIZED

Sr. No.	Name of the Event
1.	Workshop/Training on Voice analysis software ACUSTEK on 14-17.5.2018 at DFS, HP by Sh. Ivan Siparov, Chief Forensic Officer, ACUSTEK, Ireland
2.	Workshop /Training on Indigenous Voice and Speech System on 5-6.6.2018 at DFS, HP by Dr T V Ananthapadmanabha, Voice & Speech Systems, Bangalore
3.	Organized One day workshop for District and Session Judges from Bangladesh on 25.2.2019

COURSES ORGANIZED

With the aim to enhance use of forensics in police investigation, also mandated in the terms of reference of HP Forensic Development Board & by the enactment of HP Police Act, 2007, courses were organized. By adopting scientific means, professionalism in crime investigation is bound to increase. Similarly, it has become imperative to impart training to the officers of Judiciary and the prosecution department for better understanding, evaluation and appreciation of forensic reports in dispensation of justice.

Course	Number
Induction training programme for Newly Appointed Civil Judges w.e.f 8 - 12.10.2018	4
Two weeks training programme on Forensic Science for Investigating Officers w.e.f 3- 15.12 .2018	18
Induction training programme for Newly Appointed Civil Judges w.e.f 4- 8.2.2019	3
Two weeks training programme on Forensic Science for Investigating Officers w.e.f. 7-19.1.2019	19
Training Course on Forensic Science for HPS, Probationers w.e.f 21-27.6.2018	5
One week Training Course on DNA analysis for the officers of Govt. of Jammu & Kashmir w.e.f 24-29.9.2018	4
Basic Training Course on Cyber Forensics under CCPWC Scheme w.e.f 15- 24.10.2018	13
Four courses on Finger Print Proficiency at FPB, Bharari w.e.f 1- 31.5.2018, 1- 31.7.18, 1-30.9.18 & 1to 30.11.18	114 (29, 27, 30, 28)
Total	180



Faculty of Directorate of Forensics Services with the trainees investigating officers during the course on "Two weeks training program on Forensic Science" at DFS/HP on 07-19.1.2019

SESSION CHAIRED/RADIO TALK/TV TALK/INVITED TALK

Name & Designation	Activity
<p>Dr. Arun Sharma Director</p>	<ul style="list-style-type: none"> • Chaired Session and delivered valedictory address at 3rd National conference on Forensic Science and Criminalistics at Galgotias University, Greater Noida • Invitation talk was delivered in Workshop on Where is the DNA: World's best Crime Fighting Technology at Police Headquarters, Shimla HP • Chaired Technical Session during the National Conference on Emerging Trends in Forensic Science at DFSL, Bengaluru, Karnataka • Valedictory address in National Conference on Cyber Law and Administration of Crime Justice System at Shoolini University, Solan • Invitation lecture to the trainees of Police Training College, Daroh • Invitation lecture to the IPS (Prob.) at RFSL, NR, Dharamshala • Invitation lecture to the IAS & HAS (Prob.) at HIPA, Shimla • Invitation lecture on DNA Sampling to Medical Officers at District Hospital, Kangra • Invitation lecture Medical Officers (Prob.) at State Health & Family Welfare Training Center, Shimla
<p>Sh. Kapil Sharma Assistant Director (NDPS)</p>	<ul style="list-style-type: none"> • Invitation lecture was delivered on Overview of NDPS in a Colloquium on NALSA (Legal Service to the victims of Drug Abuse and Eradication of Drug Menace) Scheme, 2015 on 15.7.2018 at New Judicial Court Complex, Chakkar, Shimla • Invitation lecture was delivered on Seizure & Sampling of NDPS to Supervisory Officers, SHOs & Incharge Police Posts of Distt. Kangra on 5.11.2018 at SP Office, Kangra at Dharamshala • Invitation lecture was delivered on NDPS to Probationary IPS at RFSL, NR, Dharamshala on 10.12.2018



Director, Forensics Services, Himachal Pradesh delivering a talk on Himachal Forensics during the 10th Annual Meeting of Board of Asian Forensic Sciences Network at Beijing, China on 8.9.2018

INTERNSHIP

Analysis of clues in the forensic lab has direct bearing on lives and liberties of people. Accordingly, technically qualified skilled manpower is essential to undertake the task. With this motive, students from different universities in different disciplines were imparted training to generate professionals.

Sr. No	Institute/University	Date	No. of Students
1.	Amity University, Noida, UP	21.5.2018 to 4.6.2018	1
2.	Panjabi University, Patiala, Panjab	11.6.2018 to 15.6.2018	6
3.	Chandigarh University, Mohali, Punjab	4.6.2018 to 25.6.2018	6
4.	Panjab University, Chandigarh	1.6.2018 to 27.6.2018	3
5.	Chandigarh University, Mohali, Punjab	21.5.2018 to 30.6.2018	4
6.	Amity University, Noida, UP	1.6.2018 to 30.6.2018	4
7.	Amity University, Haryana	1.6.2018 to 30.6.2018	2
8.	Panjabi University, Patiala.	11.6.2018 to 30.6.2018	1
9.	SRM, Institute of Science & Technology, Chennai	1.6.2018 to 10.6.2018 and 18.6.2018 to 30.6.2018	1
10.	Galgotias University, Noida, UP	7.6.2018 to 05.7.2018	11
11.	Modi University, Rajasthan	2.7.2018 to 6.7.2018	2
12.	Lovely Professional University, Phagwara, Panjab	18.6.2018 to 10.7.2018	2
13.	Jaypee University, Wanknaghat, Solan, HP	7.6.2018 to 18.7.2018	2
14.	Shoolini University, Solan, HP	2.7.2018 to 26.7.2018	1
15.	Teerathankar Mahaveer, University Moradabad, UP	2.7.2018 to 28.7.2018	3
16.	SGT, University, Gurugram, Haryana	22.10.2018 to 27.10.2018	22
17.	Chandigarh, University, Mohali, Punjab	10.12.2018 to 26.12.2018	9
		12.10.2018 to 27.12.2018	1
		10.12.2018 to 5.1.2019	1
		11.12.2018 to 28.12.2018	1
18.	Sh. Vaishnav Vidyapeeth Vishwavidyalaya, Indore, Madhya Pradesh	21.12.2018 to 5.1.2019	1
19.	HP University, Summer Hill, Shimla	1.1.2019 to 31.1.2019	1
20.	St. Bedes, College, Shimla, HP	1.1.2019 to 31.1.2019	2
		7.1.2019 to 7.2.2019	5
21.	Raksha Shakti University, Ahemdabad, Gujarat	25.3.2019 to 30.3.2019	21



Internship students of HPU, Shimla and St.Bedes College, Shimla along with faculty of DFS/HP

VISITS

Title	Number
One day visit of Students from Shoolini University Solan (HP) on 26.4.2018	12
One day visit of students from Sister Nivedita Govt. Nursing College, IGMC, Shimla (HP) on 5.5.2018	26
One day visit of Students form Homoeopathic Medical College & Hospital, Kumarhatti, Distt. Solan (HP) on 17.5.2018	42
One day visit of Students from G.S.S.S. Bijhari, Distt. Hamirpur (HP) on 28.5.2018	85
One day visit of HAS Officer from HIPA, Shimla (HP) on 5.6.2018	18
One day visit of Students from G.S.S.S. Junga, District Shimla (HP) on 20.6.2018	43
One day visit of Students from Murari Lal Memorial College of Nursing, Solan (H.P.) on 18.7.2018	5
One day visit of Himachal Pradesh, UIPS Summer Hill Shimla (HP) on 27.9.2018	33
One day visit of Himachal Pradesh, UIPS Summer Hill Shimla (HP) on 28.9.2018	32
One day visit of Students from Punjab University SSG Regional Centre, Hoshiarpur (Punjab) 4.10.2018	37
One day visit of Students from RKMV College, Shimla (HP) on 9.10.2018	22
One day visit of Students from Indian Institute of Legal Studies, Hari Devi, Ghanahatti, Shimla (HP) on 26.10.2018	46
One day visit of Students from G.S.S.S. Chotta Shimla, (HP) on 29.10.2018	48
One day visit of Himachal Pradesh, Summer Hill Shimla (HP) on 26.11.2018	143
One day visit of Students from Murari Lal Memorial College of Nursing, Solan (HP) on 9.1.2019	11
One day visit of Judicial Officers (District Judges/Session Judges, Additional & Joint Sessions Judges and Additional District Judges) from Bangladesh on 25.2.2019	40



Director Forensics Services, Faculty and Trainee Medical Officers from State Health & Family Welfare Training Centre, Shimla at HP Forensic Hqrs

DIGNITARIES

Visitor(s)	Date
Mrs. Sunita Verma and Mrs. Pushpa Panwar, Lecturer, Sister Nivedita Govt. Nursing Collage, IGMC, Shimla, HP	5.4.2018
Mr. Ivan Sirapov, Chief Forensic Scientist, ACUSTEK, Ireland	14-17.5.2018
Dr T V Ananthapadmanabha, Founder Director, Voice & Speech Systems, Bangaluru	5-6.6.2018
Mr. Sushant Sharma (HPS), Prob. DySP, Himachal Pradesh Police	27.6.2018
Mr. J. Ramesh Babu, Senior Quality Assurance, Miltry Explosives, Tamilnadu	28-29.7.2018
Dr. Madhulika Sharma, Ex-Director, FSL, Govt. of NCT, New Delhi	
Mr. K.C. Varshney, Deputy Director, FSL, Govt. of NCT, New Delhi	
Mr. Ikramul Haque, Deputy Director, DFSS, MHA/GoI, New Delhi	
Mr. Sai Prasad, Scientist B, CFSL, Hydrabad	
Dr. Sandeep Kumar, Assistant Professor, HPUILS, Shimla	27.9.2018
Dr. Sujata Sirkeck Verma, Assistant Professor, HPUILS, Shimla	28.9.2018
Mr. Chirag Bhanu Singh, Director, Himachal Pradesh Judicial Academy, Shimla, HP	8.10.2018
Dr. Arvind Bhatt, Dean (Planning), HP University, Shimla	26.11.2018
Mohd. Abdul Hannan, District Judge, Pirojpur, Bangladesh	25.2.2019
Dr. S Mayank Sharma, State Institute of Health & family Welfare, Pari Mahal, Shimla	18.3.2019
Mr. Mahesh A. Tripathi, Assistant Professor, Raksha Sakti University, Ahmadabad, Gujrat	30.3.2019



Director Forensics Services distributing certificate to Trainee Judicial Officer (Prob.) at DFS/HP

RFSL, NR, DHARAMSHALA

INTRODUCTION:

Dharamshala became headquarters of District Kangra in 1855 and is located in the shadow of Dhauladar mountains. The area known as Dharamshala was annexed by the British in the year 1848 and was also notified as the second capital of the state in 2017. The area was ruled by the Katoch dynasty of Kangra said to be the oldest serving royal family in the world. Kangra is famous for the Kangra tea. There are many temples in Kangra including Masroor Rock Cut temple dating back to 8th century and have carvings similar to Kailash temple at Ellora.

In the first meeting of the Himachal Pradesh Forensic Science Development Board, the Government approved setting up of Regional Forensic Science Laboratory, Northern Range to cover the farthest ends and to expedite delivery of forensic reports from the lab. In the beginning (2008), the RFSL, NR Dharamshala was temporarily housed in a rented accommodation, then the RFSL moved to its own new complex in 2012 and has covered floor area of about 10,000 square feet. The RFSL Dharamshala is catering to the needs of three districts viz. Kangra, Chamba and Una. The forensic experts are rendering services in the field of scene of crime examination and providing regular faculty to the Police Training College, Daroh. The RFSL is on the mailing list of RCMP journal (Canada) and FBI bulletin (USA).

The institution has been in forefront in introducing novelty and has taken lead on many fronts. On 3.3.13, a Pilot Project “One District one Police Station” (OPDS), first of its kind in the country, has been launched by the Hon’ble Chief Minister, Himachal Pradesh during Silver Jubilee Year of the State FSL. Then the pilot project was expanded to include PS Sadar Chamba on 31.7.2016 during International Minjar Fair. Sometimes, the available techniques are not delivering good results that necessitate the use of new technology. Forensic XP-4010 D, second in the country, was acquired under Modernization of Police Forces Scheme, GOI. Further, Forensic experts of document specialty had successfully participated in Proficiency Testing Programme (PT) with Asia’s best Govt. Forensic Lab in Hong-Kong in 2016-17 and 2017-18.

On 16.4.15, Hon’ble Chief Minister Himachal Pradesh has laid foundation stone of residential complex for the staff of Regional Forensic Science Laboratory, NR, Dharamshala. On completion, the complex was inaugurated by the Hon’ble Chief Minister on 21.2.2019 and RFSL, NR became first RFSL in the country to have its own residential complex for the officers and officials. A traction elevator facility for hassle free entry to the specially abled persons was inaugurated on 17.11.16 by the Hon’ble Chief Minister HP.

The Cell phone analysis facility with Universal Forensic Extraction Device (UFED) and Forensic Auditing facility, the latter being first of its kind in the country, to detect frauds through digital evidences was created at RFSL, NR, Dharamshala by acquiring equipments and infrastructure in 2017. CCTV cameras for e-surveillance were installed during this year.

The RFSL, Dharamshala appeared on the global map and became 1st RFSL in the country to get ISO/IEC 17025:2005 accreditation by NABL in 2018 in a record time of 4 months after filing the application for NABL accreditation. Also, state-of-the-art infrastructure for expert testimony through Video Conferencing was inaugurated by the Hon’ble Chief Minister in 2018. The snake bite case analysis facility was introduced in the Chemistry & Toxicology Division in this year. In order to cater the needs of investigation agencies, the foundation stone of building to house DNA facility was laid by Hon’ble Chief Minister on 13.11.2018. The satellite Cyber Forensic Lab-cum-Training center was created under CCPWC Scheme of MHA/GoI. Knowledge dissemination to benefit the public/masses was done through electronic and print media. The Document Division successfully participated in the Proficiency Testing Program with the Asia’s Best Forensic Lab at Hong Kong for the second consecutive year. Public awareness about forensics through exhibition in the International Minjar fair and Red Cross Fair was organized. The cyber lab is in the process of seeking notification of Electronic Expert u/s 79 of IT Act 2000.

WORKING:

There are three divisions:

Biological Sciences (Biology & Serology Division) & DNA Unit

Chemical Sciences (Chemistry & Toxicology Division)

Physical Sciences (Document & Photography Division)



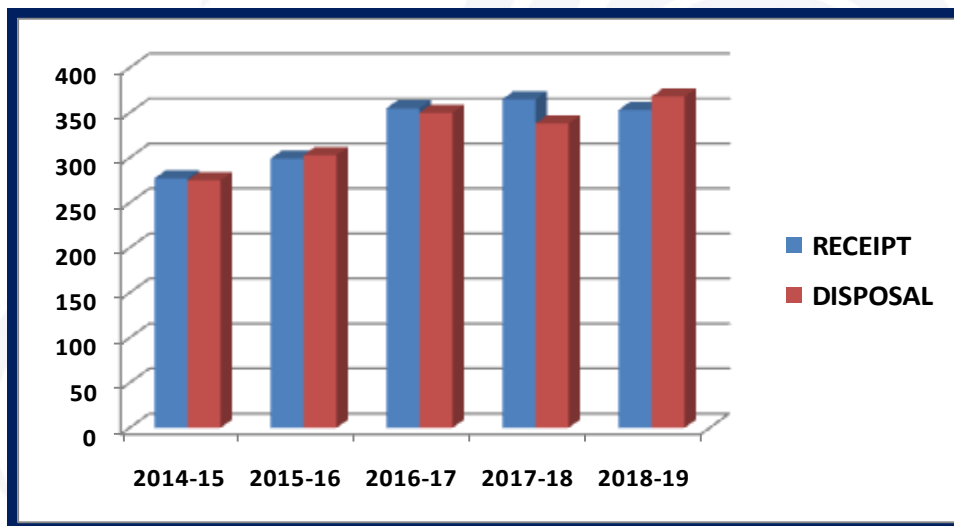
Hon'ble Chief Minister, HP inaugurating the Video Conferencing facility

BIOLOGY & SEROLOGY DIVISION

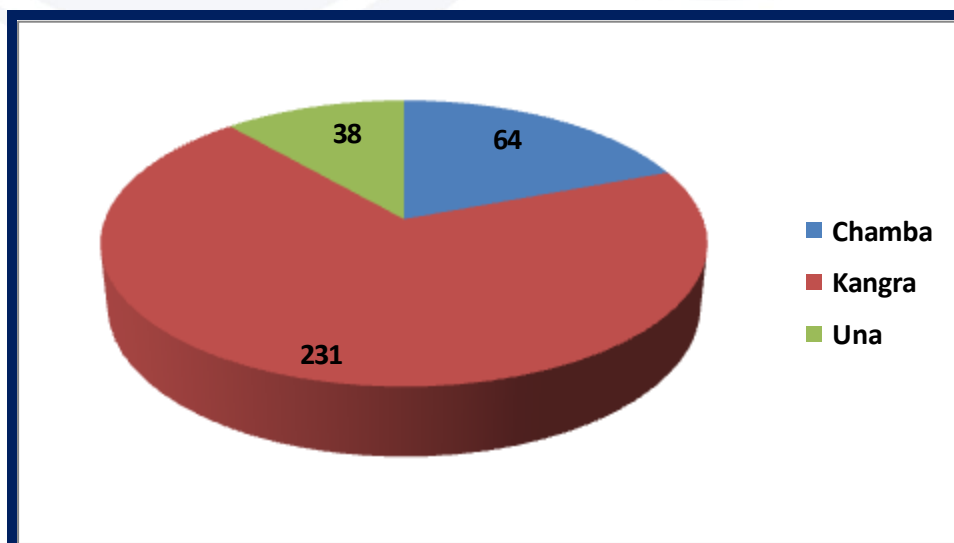
The founder Dy. Director made this specialty functional in 2008. The sanctioned scientific posts were filled up in 2010. The division plays a vital role in cases of homicide, suicide or accidental death, sexual assault and drowning etc. The types of evidentiary clues examined in different crime cases for identification and comparison are as under:

- Blood, semen and saliva
- Diatom from bone
- Vomit and faecal matter
- Charred bones, tissues and skin
- Bone (animal and human)
- Hair (animal & human), fiber, feather
- Wildlife cases (flora and fauna)
- Wood and plant products
- Maggots

CASE STATISTICS



DISTRICT WISE CASE RECEIPT 2018-19

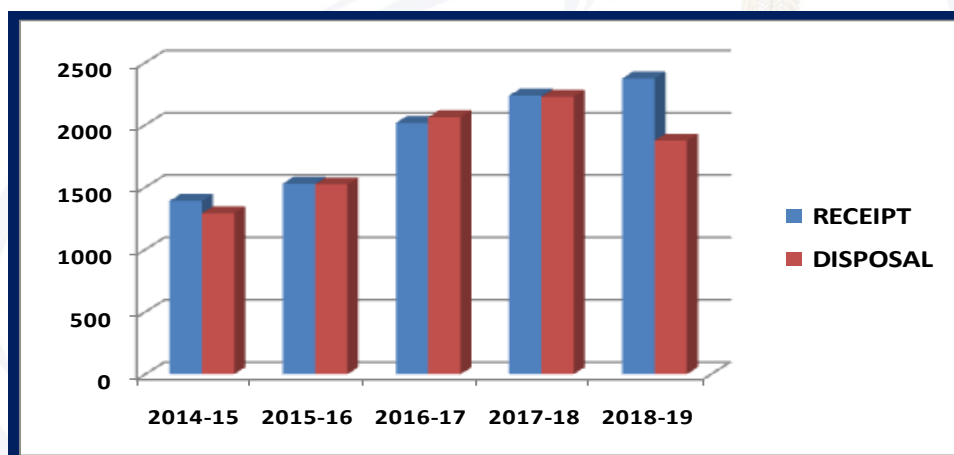


CHEMISTRY & TOXICOLOGY DIVISION

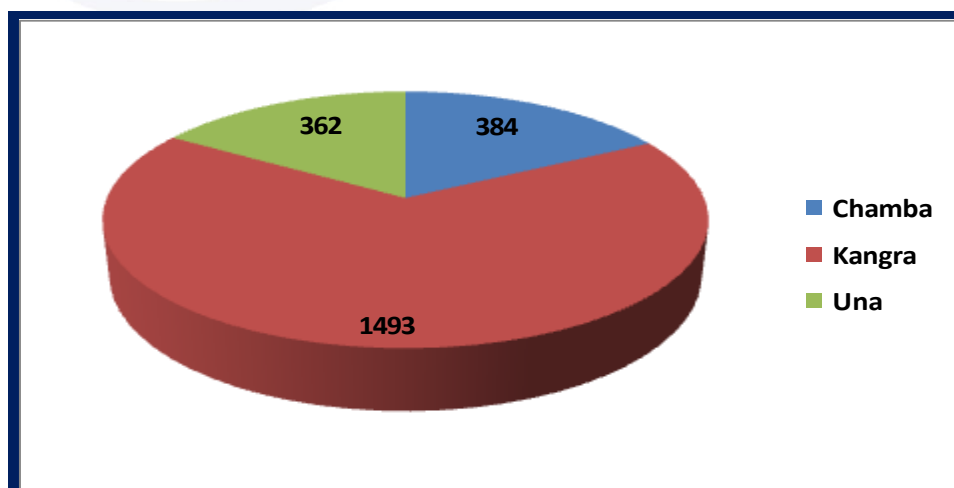
The division started examination of cases in the year, 2009. The examination of excise cases (liquor cases) has also been started in 2011. There has been regular updation of technology in the division. Now, Gas Chromatograph (GC) has been added in the division and more instruments are in pipeline. Presently, the division undertakes examination of clue materials such as:

- Petroleum products residues in arson, dowry deaths and in adulteration cases
- Poisons from viscera samples
- Alcohol from blood and urine for drunkenness
- Trap cases
- Liquor cases
- Hooch tragedy cases
- Acid attacks
- Grease, wax, oils and resins
- Cosmetics and organic dyes
- Chemical identification of unknown substances

CASE STATISTICS



DISTRICT WISE CASE RECEIPT 2018-19



DOCUMENT & PHOTOGRAPHY DIVISION

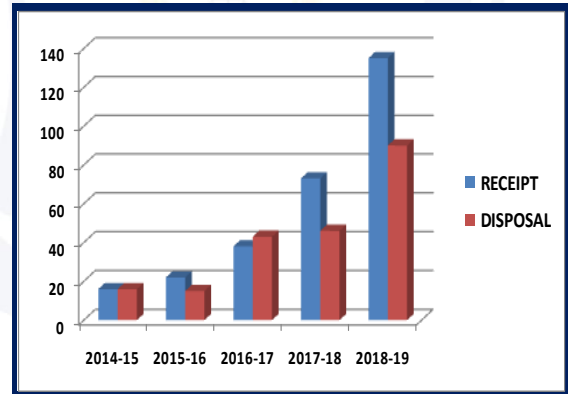
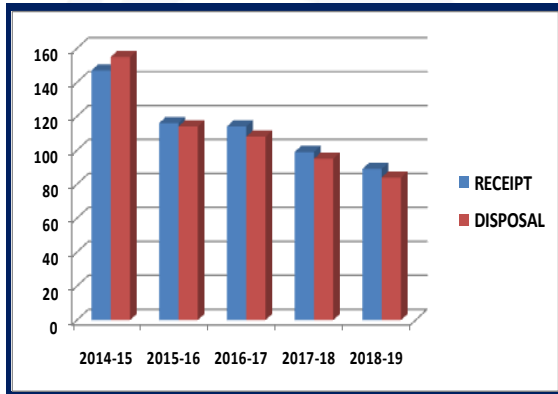
Forensic Document is the systematic and scientific study of holomastic and onomastic documents. The Document and photography Division was established in July, 2008. The crime cases pertaining to Forensic Documents from Districts Kangra, Chamba, Una, Hamirpur, Kullu, Lahaul Spiti, SV&ACB of Northern Range, CID Unit of Northern Range besides cases from Judiciary are examined. With new initiatives, examination of cases pertaining to Cyber Forensics commenced in 2013 to cater the needs of investigation agencies. This division provides solutions in:

- Fraud and forgery
- Handwriting, signatures, type writings, computer printouts
- Stamps/seals, Counterfeit currency,
- Burnt/ soiled documents, Paper and ink analysis
- Genuineness of security documents viz. Passport, stamp paper, credit card, debit card and other financial documents
- Evaluation of erasures, obliterations, alterations, indentations etc.
- Preservation of hard disks, memory cards, pen drives, compact discs, digital video recorder and analysis of mobile phones.
- Scene of crime photography and lab exhibit photography
- Facial comparison

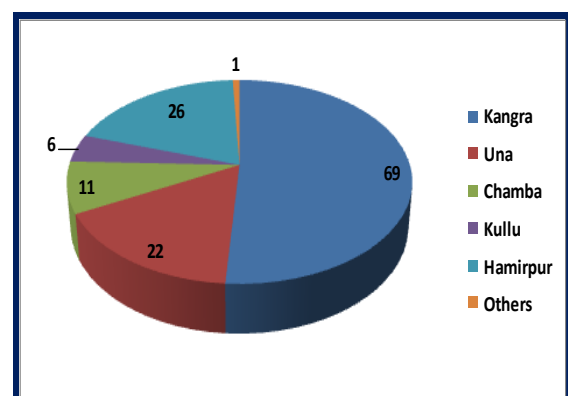
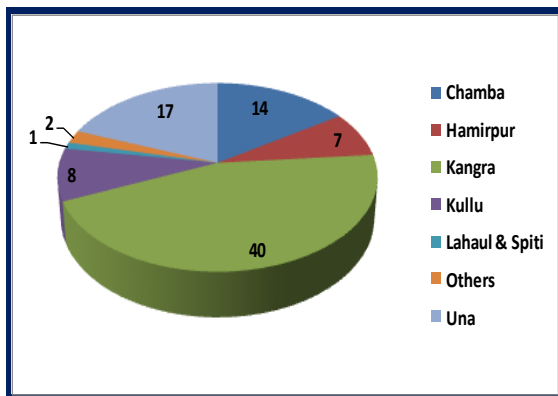
DOCUMENT & PHOTO DIVISION

CYBER UNIT

CASE STATISTICS



DISTRICT WISE CASE RECEIPT 2018-19



TEACHING & TRAINING

Name & Designation	No. of lectures / demonstrations
Dr. Meenakshi Mahajan, Deputy Director	61
Dr. Surinder Kumar Pal, Assistant Director	32
Sh. Ajay Kumar Sehgal, Scientific Officer	20
Sh. Mam Raj Sharma, Scientific Officer	11
Sh. Rajesh Kumar, Scientific Officer	1
Sh. Rajat Choudhary, Scientific Assistant	4
Sh. Ajay Singh Rana, Scientific Assistant	8
Sh. Upender, Laboratory Assistant	6

TRAINING ATTENDED

Name	Course
Dr. Meenakshi Mahajan,	<ul style="list-style-type: none"> • Course on 'Digital Forensics, at Sardar Vallabh Bhai Patel National Police Academy, Hyderabad w.e.f. 27- 30.8.2018
Sh. Mam Raj Sharma,	<ul style="list-style-type: none"> • Training on Laboratory Quality Management and Internal Audit as per IS/ISO/IEC 17025:2017 w.e.f 25-28.6.2018 at BIS (NITS), Noida
Sh. Ashwani Bhardwaj	<ul style="list-style-type: none"> • Training on DNA Technology w.e.f. 1-10.10.2018 at FSL Sagar, Madhya Pradesh
Sh. Rajat Chaudhary	<ul style="list-style-type: none"> • Training on Laboratory Quality Management and Internal Audit as per IS/ISO/IEC 17025:2017 on 31.1.2019 at RFSL, NR, Dharamshala
Sh. Upender Sharma	<ul style="list-style-type: none"> • Training on Laboratory Quality Management and Internal Audit as per IS/ISO/IEC 17025:2017 on 31.1.2019 at RFSL, NR, Dharamshala

CONFERENCE/SEMINAR/WORKSHOP/SYMPOSIUM ATTENDED

Name	Remarks
Dr. Meenakshi Mahajan	<ul style="list-style-type: none"> Workshop on Mobile Forensics on 27.2.2019 organized by Cyint Technology, New Delhi
Dr. N.P. Dubey,	<ul style="list-style-type: none"> HP Science Congress on 22-23.10.2018 held at IIT Mandi
Dr. N.P. Dubey, Dr. Surender Kumar Pal, Sh. Mam Raj & Dr. Ashwani Bhardwaj	<ul style="list-style-type: none"> Two days workshop on Forensic evidence interpretation under the new paradigm held at RFSL, CR, Mandi on 22-23.3.2019
Dr. Surender Kumar Pal Sh. Rajesh Kumar	<ul style="list-style-type: none"> National Conference on Emerging Trends in Forensic Science on 10-11.1.2019 held at Bengaluru, Karnataka
Sh. Mam Raj	<ul style="list-style-type: none"> Workshop on Cyber Crime, Smart Phone and Cloud Forensic at RFSL, NR, Dharamshala on 10.2.19
Ajay Singh Rana	<ul style="list-style-type: none"> National Conference on Challenges and Innovations in Criminal Justice system held on 21-22.2.2019 at Jhansi, Uttar Pradesh

WORKSHOP/SEMINAR/MEETING ORGANIZED

Sr. No.	Name of the Event
1.	Workshop on Cyber Crime, Smart Phone and Cloud Forensic for Judicial, Police, and Forensic Officers at RFSL, NR, Dharamshala on 10.2.2019



Lighting of Lamp by the Chief Guest, Director Forensics Services HP during inauguration of workshop on Cyber Crime, Smart Phone and Cloud Forensics for Prosecutors under CCPWC Scheme of MHA, GoI.

COURSES ORGANIZED

In pursuance to Himachal Pradesh Police Act, 2007, to enhance professionalism in crime investigation amongst Investigating Officers of the Northern Range, the Police Head quarters had allotted two training courses each of two week's duration. The trainees were delivered theory lectures and imparted practical trainings. On completion of training, the trainees appeared in written test and the result was communicated to the Police Headquarters.

Course	Number
Two weeks training programme on DNA profile in rape cases and Investigation of Fire Arms Cases etc. for Investigating Officers w.e.f. 2-13.7.2018	16
First Basic training Course on Cyber Crime under CCPWC Scheme of Govt. of India w.e.f 16,19- 20.8.18.	11
Two days training Course on Cyber Law and Cyber Crime Awareness under CCPWC scheme, MHA, GOI w.e.f 21-22.10.2018.	15
Five days training Course on "Cyber Crime Investigation" under CCPWC scheme, MHA, GOI w.e.f 26-30.11.2018.	15
One day in-house training Course on Quality Laboratory Management and Internal Audit as per ISO/IEC17025:2017 on 31.1.2019.	All Staff of RFSL
Two days training Course on Cyber Crime for Judicial officers of North and Central Range under CCPWC Scheme, MHA, GOI on 9-10.2.2019.	13

SESSION CHAIRED/RADIO TALK/TV TALK/INVITED TALK

Name & Designation	Activity
Dr. Meenakshi Mahajan Deputy Director	<ul style="list-style-type: none"> • Invitation lecture was delivered to the 7th batch of SI (Prob) at Police Training College Daroh on 10.9.2018 • Guest lecture was delivered in Faculty Development Programme on the topic 'Science in Criminal Justice' at Chandigarh University, Gharoun, Mohali on 12.7.2018



Training Course on Cyber Crime Investigation for Police Officers at RFSL, NR under CCPWC Scheme of MHA, GoI.

INTERNSHIP /VISITS

Sr. No.	Institute/University	Date	No. of Students
1.	BSc.(H) Forensic Science students from Amity University, Noida (UP)	21.5.18 to 2.6.18	8
2.	M Sc. Forensic Science students from Chandigarh University, Gharuan Mohali (Punjab)	14.5.18 to 8.6.18	5
3.	M Sc. Chemistry student from Chandigarh University, Gharuan Mohali (Punjab)	14.5.18 to 4.7.18	1
4.	BSc.(H) Forensic Science students from Amity University Gurugram (Haryana)	1 .6.18 to 30.6.18	8
		4 .6.18 to 3.7.18	2
5.	MSc.(H) Anthropology students from Panjab Universtiy, Chandigarh (UT)	4.6.18 to 3.7.18	3
6.	MSc. Chemistry students from Rayat Bahara University, Mohali (Punjab)	5.6.18 to 4.7.18	3
7.	M Sc. Forensic Science students from Lovely Professional University, Phagwara (Punjab)	11.6.18 to 10.7.18	5
		4.6.18 to 3.7.18	1
		2.7.18 to 20.7.18	1
8.	B Sc. Biotechnology student from Kanya MahaVidhyalaya, Jalandhar (Punjab)	21.6.18 to 20.7.18	1
9.	M Sc. Digital Forensic and Information Security, students from Mody University, Laxmannagar, Sikar (Rajasthan)	2.7.18 to 20.7.18	2
10.	B Sc. Forensic Science students from Lovely Professional University, Phagwara (Punjab)	2.7.18 to 25.7.18	2
11.	MSc. Chemistry students from Rayat Bahara University, Mohali (Punjab)	2.7.18 to 28.7.18	3
12.	M Sc. Biotechnology students from Shoolini University, Solan (H.P.)	2.7.18 to 28 .7.18	3
13.	B Sc. Forensic Science students from Lovely Professional University, Phagwara (Punjab)	6.12.18 to 26.12.18	1
14.	M Sc. Forensic Science & Toxicology students from Chandigarh University, Gharaun Mohali (Punjab)	10.12.18 to 24.12.18	7
15.	M Sc. Forensic Science & Toxicology student from Chandigarh University, Gharaun Mohali (Punjab)	13.12.18 to 28.12.18	1
16.	B Sc. Forensic Science students from Dr. A.P.J. Abdul Kalam Institute of Forensic Science & Criminology, Bundelkhand University Jhanshi (U.P.)	26.12.18 to 28.12.18	8
17.	M. Sc. Forensic Science & Toxicology students from Chandigarh University, Gharaun, Mohali (Punjab)	26.12.18 to 1.1.19	5
18.	B.A. L.L.B. students from Career Point University, Hamirpur (H.P.)	26.12.18 to 18.1.19	4
19.	M.Sc. Microbiology, student from HP University, Shimla	7.1.19 to 31.1.19	1
20.	M.Sc. student from Amity University, Haryana	6.2.19 to 5.5.19	1
21.	MSc. Forensic Science, Lovely Professional University, Phagwara, Punjab	7.3.19 to 13.3.19	1

DIGNITARIES

Visitor(s)	Date
Sh. Jai Ram Thakur, Hon'ble Chief Minister, Himachal Pradesh	13.11.18
Sh. Sita Ram Mardi, DGP, Himachal Pradesh	12.11.18
Sh. N. B. Bardhan, Director, CFSL, CBI, New Delhi	21.6.18
Dr. Atul Fulzele, DIG, NR, Dharamshala	26.11.18
Sh. Sanjeev Katoch, Joint Director (Prosecution), Himachal Pradesh	21.10.18
Sh. R. M. Tripathi, Deputy Director, CFSL, Chandigarh	3.4.18
Sh. Nitin Chauhan, District Attorney, Himachal Pradesh	21.10.18
Mrs. Hemalatha M., IPS (Prob.)	13.12.18
Sh. Adarsh Rajendran, IPS(Prob.)	13.12.18
Sh. S. A. R.Hashmi, Chief Scientist, AMPRI, CSIR, Bhopal	7.3.19
Sh. S.K.S. Rathore, Senior Principal Scientist, AMPRI, CSIR, Bhopal	7.3.19
Sh. S. Murli, Principal Scientist, AMPRI, CSIR, Bhopal	7.3.19
Sh. P. K. Dutta, Electronics Regional Test Laboratory (W), Mumbai	29.3.19
Dr. Gaurav Gupta, MEITY, GoI, New Delhi	29.3.19



DGP/HP with Director, Forensics Services, HP at RFSL, NR, Dharamshala

RFSL, CR, MANDI

INTRODUCTION:

Mandi formerly known as Mandav Nagar which remained capital of erstwhile princely state of Mandi is situated on the bank of river Beas. Mandi town is the head-quarter of Mandi district and Zonal Head Quarter of Central Zone. There are more than 300 old and new temples at Mandi also known as “Chotti Kashi”.

1st meeting of the Himachal Pradesh Forensic Science Development Board held in 2006, approved the creation of Regional Forensic Science Laboratory, Central Range, Mandi to cover central range districts for quick and timely availability of scientific reports in crime investigations. In the beginning, the RFSL, CR Mandi was temporarily housed in rented



accommodation at Gutkar at NH-21 and the foundation stone of RFSL Complex was laid in January 2011 by the then Hon'ble Chief Minister HP. The RFSL moved to its own new complex in March, 2013. The complex has an area of about 10,000 square feet and constructed as per passive solar principles. The RFSL Mandi is catering to the needs of five districts viz. Mandi, Kullu, Lahaul & Spiti, Bilaspur, Hamirpur. There are three specialties viz. Biological Sciences, Physical Sciences and Chemical Sciences. A traction elevator facility for hassle free entry to the specially abled persons was inaugurated on 17.11.16 by the Hon'ble Chief Minister HP. A Pilot Project “One District One Police Station” (OPDS) has been expanded to include PS Sadar, Mandi during International Shivratri Fair on 26.2.2017.

The new specialty has been planned in pursuance to guidance from the Directorate of Forensic Science Services, MHA/GOI, New Delhi. Accordingly, infrastructure for Voice analysis facility has been created and this facility was operationlized in 2018. A DNA unit was also sanctioned in 2015 and Scientific Officer recruited. The RFSL is striving for NABL accreditation based on International Organization of Standardization (ISO/IEC 17025: 2017).

On a pilot basis, crime case information was databased for the year 2018-19. The data were analyzed to see the trends and provide remedial measures, if required. An important parameter is the time taken to report a case after its receipt (turnaround time). The average number of days between receiving and reporting the case was about 50 days in the laboratory which is well within the norms.

WORKING:

There are three divisions with eight specialities:

Biological Sciences (Biology & Serology division) and DNA Unit.

Chemical Sciences (Chemistry & Toxicology Division)

Physical Sciences (Physics & Ballistics Division) & Voice Analysis Facility