



FORENSIC SCIENCE LAB SERVICES

Email: investigation@sifsindia.com | **Web:** www.sifsindia.com

Laboratory at a Glance

SIFS India came into existence in 2006. It is registered with Govt. of India and ISO 9001:2015 & 10002:2014 certified Forensic Science Laboratory, that has stood like a pioneer in the world of forensics with its qualitative services. In the initial tenure of its setup, the company struggled hard to adhere in the competition, to attain its accomplishment.



Moving ahead with a positive and loyal approach towards its clients and the Indian law and order, SIFS India succeeded to make a mark in the field of forensics, not only nationally, but internationally as well.

The company is known to show its effective and hard work in forensic investigation, forensic education, as well as in forensic research and development. Keeping in mind, the ethics to be followed during an investigation, the company has provided more than 9000 reports for various legal and private cases, related to signature verification, handwriting examination, fingerprint examination, forgery detection, audio-video analysis, photograph verification, fire forensics, blood examination, key forensics, cyber forensics investigation and certain other forensic related issues.

Till date, it's passionate and determined expert team with the director, Dr. Ranjeet Kr. Singh, who has guided his team to numerous vows, has provided error free services, with determination to excel the grounds of forensics.

The rapport of the company with its clients, has earned the trust and bond, which would create a rational revolutionary podium in the upcoming years.

SIFS India believes in sharing and working on national and international trends in the field of forensics, henceforth, after registering our presence nationally, we have now remarkably manifested our international presence as well. SIFS India has collaborated with various international based companies and have its associates in England, Ireland, United States, United Arab Emirates, Nigeria, Ghana, Uganda, Thailand, Poland, Romania, Indonesia, Italy, Australia, Mexico, etc.

With a promise to continue the legacy of hard work and honesty, SIFS India is looking forward for many more laurels to take into its court in the field of forensics, worldwide.

Axiom

We work on the motto: "Elucidating the Truth, Truthfully, with Zero Errors".

Vision

We focus on the upliftment of Forensic Science as a subject. The vision of the organization is to make the masses aware of the implication and the utility of the subject into an organized practical lifestyle. The organization also emphasises on an eminent impartment of education to the interested young enthusiasts, who look upon to pursue their career prospects into the vast and unexplored premises of forensics.

Mission

We urge to be an internationally discernible body sustaining its exclusive and superior services with an objective of:

- Committing towards the fact of being a lead-follower of technology, with a bold spirit of risk-taking that would help us mark our presence noticeable world-wide
- Operating and executing projects with an efficient investment of quality, cost and time, in order to ensure our existence in the observances of the clients endlessly
- Nurturing the business, effectively and strategically, be it nationally or globally
- Performing with a motive of "Leading with Care", thereby having a sense of concern towards the society

Laboratory working process



Forensic Science Laboratory

SIFS India, Department of Forensic Investigation provides expert opinion under **Section 45 of the Indian Evidence Act** on Questioned Document, Handwriting Analysis, Signature Frauds, Forgery Detection, Fingerprints Verification, Forged Documents, Burnt Document Analysis, Charred Documents Analysis, Cyber Forensics, Cyber Crimes, Data Recovery, E-mail Tracing, E-mail Tracking, IP Details Tracing, Fire, Key, Blood, Accidental Re-construction Expert Testimony, Expert Consultation, Medico-Legal Consultation, Legal Consultancy, Cross-Examination of experts on various topics of Forensic and many more.

Questioned Document Laboratory

Document examination section of laboratory deals with verification, comparison of handwritings, deciphering of Indented writings, deciphering of obliterations, identification in case of suspected additions and deletions, photocopy forgery examination, typewritten document comparison and verification, examination of charred documents.

Examination in Laboratory

- Comparing questioned signatures with known signatures
- Comparing different signatures of a same signatory
- Analyzing the signatures for transplant forgery
- Analyzing the signatures for traced forgery
- Comparing the handwriting on the questioned document with the known handwriting
- Analyzing the document for the chances of forgery
- Examination of document for any signs of alteration
- Examination of the security features present on the certificates, mark sheets, stamp papers, etc.
- Verification of stamp/seal present on the provided documents
- Verification of certificate from the issuing authority, whether genuine or fake certificate
- Examination of certificate under ultra violet, infra-red and transmitted light
- Examination of hologram

Laboratory Equipments

Our laboratory is equipped with all the necessary equipment:

- Video Spectral Comparator (VSC-4)
- Electrostatic Detection Apparatus (ESDA)
- Digital Microscope – MiScope®
- Stereo-Microscope
- Ultra-Violet Lamp
- Canon RE-650 MKII Video Visualizer
- Rofin's Poliray®
- Digital Imaging System Fujitsu ScanSnap iX500 Color Duplex Desk Scanner
- Portable 200X USB Digital Microscope Endoscope Otoscope with LED 5MP
- Dichroic, Infrared, Polarizer and Color Filters
- Ring Light Illuminator
- Starrett® Dial Indicator Micrometer for Measuring Thickness of Paper
- Ratical Eye-Pieces
- Typewriter Grids and Rulers



Fingerprint Examination Laboratory

Fingerprint section of our laboratory handles all the fingerprint-related services, such as identification of fingerprints, their pattern, development on various surfaces, lifting and collecting fingerprints and other such equivalent prints from the scene of crime. Besides fingerprint examination and identification, we also extend our fingerprinting services for visa, immigration and PCC purposes.

Examination in Laboratory

- Comparing suspected fingerprints to known fingerprints
- Developing and lifting the latent fingerprints from the given object/suspected surface
- Comparing the developed fingerprints to known fingerprints
- Fingerprinting for visa/ immigration/ PCC

Laboratory Equipments

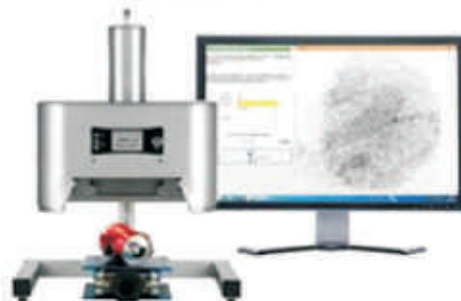
Sirchie® CSI Latent Fingerprint Kit- This kit includes an assortment of latent print powders, brushes and lifters, necessary for processing latent prints on both porous and nonporous surfaces.

Guardian® Livescan and Fingerprint Enrolment System

Designed for forensic-quality ten-print fingerprint capture

FBI Appendix F-certified

Perfect Roll™ technology, which allows foolproof fingerprint acquisition



Cyber Forensic Laboratory

The cyber forensic department of our organization deals with cases like: audio analysis, video analysis, speaker identification, image analysis, facial recognition, mobile/handset analysis, hard-drive analysis, e-mail verification and website analysis.

Examination in Laboratory

AUDIO FORENSICS

- Establishing the authenticity of the audio recording as evidence
- Performing enhancement of the audio recording
- Interpreting and documenting audio evidence for court purpose
- Transcription of the audio

VIDEO FORENSICS

- Establishing the authenticity of the video file recording as evidence
- Performing enhancement of the video file recording
- Interpreting and documenting video evidence for court purpose
- Transcription of the video file
- Extraction of the video evidence from CCTV devices

SPEAKER IDENTIFICATION

- Establishing the authenticity of the audio recording as evidence
- Comparing the questioned voice sample to that of the suspected person(s)
- Documenting the audio evidence for court purpose

IMAGE FORENSICS

- Establishing the veracity of the image
- Checking for the artefacts of manipulation, if any
- Establishing the individuality of a person in different photographs

MOBILE FORENSICS

- Mobile data extraction and indexing
- Deleted data recovery
- WhatsApp data recovery
- Calls, contacts and messages recovery
- Media file recovery
- Message authentication

HARD DISK FORENSICS

- Imaging/cloning of hard drive
- Performing analysis of window's events and registry to determine activities/ processes
- Carving and indexing of data present for determining the location of relevant evidences

E-MAIL FORENSICS

- Establishing the authenticity of e-mail on server and e-mail in backup files
- Performing analysis to establish the source and its IP location

WEBSITE FORENSICS

- Examination of the content hosted on website
- Performing indexing/cloning of the website
- Gathering information about the website and its owner
- Content hosted on website in the past
- Web penetration testing
- DoS (denial of service) attack detection
- Malware analysis
- Mobile forensics & spy software analysis
- Phishing analysis
- Key logger detection

LABORATORY TOOLS

- Mobile forensic tool kit
- Encase
- Data recovery tool
- Tableau write blocker
- Cellebrite UFED



Fire & Arson Examination Laboratory

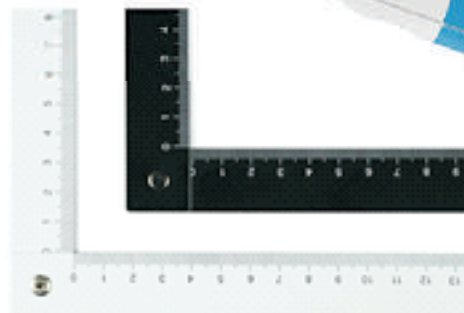
Fire and arson department handles cases for fire forensic investigation and examination, and accidental reconstruction. This is to ascertain the fraudulent insurance claim cases and to give the investigation report to the insurance company.

Examination in Laboratory

- Establishing the root cause of fire on the basis of the evidentiary clues received from the vehicle as well as from the scene of loss and ascertain whether, the fire was intentional or unintentional
- Establishing the source of ignition, condition of vehicle by examining the vehicle externally and internally to know the origin and identify the extent of fire in the vehicle
- Physical examination of the vehicle and chemical examination of the samples extracted from the debris of the vehicle to ascertain the cause for the fire

Laboratory Equipments

- Stereo zoom microscope
- DSLR camera
- GC-MS



Key Examination Laboratory

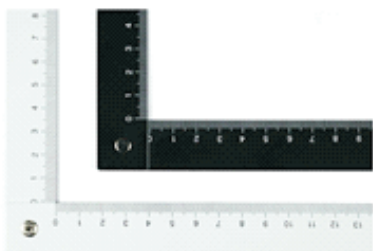
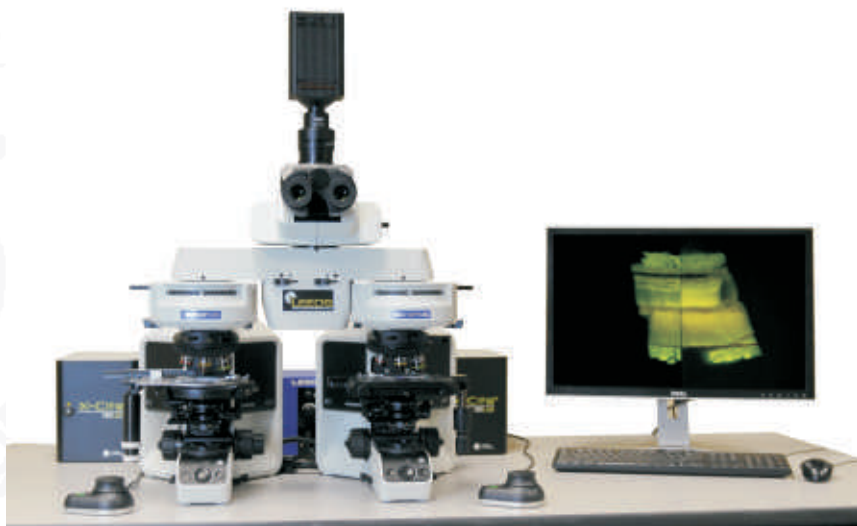
Key examination needs to be done in cases of fraudulent insurance claims, henceforth the investigator must know the details, to distinguish between the genuine and fake key, and should also be able to understand the striation marks and what do they denote about the authenticity of the key.

Examination in Laboratory

- Originality of the key
- To check whether the keys are used or not
- To check whether the keys are of the same lock or not
- Estimated usage of the keys as per the age of the vehicle

Laboratory Equipments

- Digital pocket scale
- Digital vernier caliper
- Digital screw gauge
- Comparison microscope



Forensic Biology Laboratory

Department of Forensic Biology and Serology deals with the cases and exhibits in context with examination of blood, examination of semen, examination of hair, DNA analysis etc. Biological samples give individualized identity of the person in the suspect zone.

Examination in Laboratory

Blood Forensics

- Determining the presence of blood in an exhibit
- Determining the blood group from the dried blood sample
- Determining the blood group from the fresh blood sample of suspects for comparison
- Extracting the DNA from the dried blood
- Comparing the extracted DNA to that of suspect

Semen Forensics

- Determining the presence of semen in the exhibit
- Extracting the DNA from the semen
- Comparing the extracted DNA from exhibit to that of suspect

Hair Forensics

- Determining the physical properties of hair
- Determining the origin of hair
- Extracting the DNA from the received hair sample
- Comparing a suspected hair sample to a known sample

Species Identification

- Species examination and identification
- Algae examination and identification

DNA Forensics

- Comparing the exhibit DNA to that of the suspect
- DNA profiling for determination of blood relations
- DNA profiling for paternity testing
- DNA profiling for immigration cases

Fiber Analysis

- Determining the physical properties of fiber
- Comparing a suspected sample to a known sample

Laboratory Equipments

- Blood group testing kit
- Incubator
- Analytical balance
- Centrifuge
- Ultra-Violet fluorescence cabinet



Crime Scene Investigation Laboratory

Crime scene investigation is the most crucial step, which if not done carefully, can render the investigation useless. This division also deals with collection and packaging of various evidences, their preservation and crime scene reconstruction.

Examination in Laboratory

- To know the cause, facts, impact of the accident on the vehicle
- Metal examination
- Lock examination (to decipher, whether the entry was forceful or not)
- References authentication
- Experience authentication
- Fire brigade report authentication
- First information report verification

Laboratory Equipments

- Crime scene kit
- Fire investigation kit
- Fingerprint developing kit
- DSLR camera



Our Clientele



Narcotics Control Bureau



Delhi Police



UP Police



Haryana Police



Income Tax Department



ESIC India



CBSE



NHRC



VCI



Confederation of Indian Industry



National Insurance



United India Insurance



The New India Assurance



State Bank of India



Punjab National Bank



Bank of India



Bank of Baroda



Dena Bank



LIC India



HDFC Bank



Aegon Life Insurance



Apollo Munich Health



Aviva Life Insurance



Bajaj Allianz General



Bharti Axa Life



Birla Sun Life



Canara HSBC OBC Life



DHFL Pramerica Life



DFL Pramerica Life



Edelweiss Tokio Life



Exide Life



Future Generali Life



Go Digit General



HDFC ERGO General



HDFC Life Insurance



Home Credit



IDBI Federal Life



Iffco Tokio General



Kotak Mahindra General



Max Bupa Health

Our Clientele



Indian Oil



Delhi University



AICF



Ferreo India Pvt Ltd



Hindustan Aeronautics Limited



Lupin Pharma



OLA Fleet Technology



Petronet LNG



Petronet LNG



The Indian Institute of Architects (IIA)



Max Life Insurance



MetLife insurance



Reliance General



Royal Sundaram Alliance



Shriram General & Life



TATA AIA Life



TATA AIG General



TATA Consultancy Service



TATA Global Beverages



Universal Sampo General



Reliance Industries



Adani Group



Jindal Steel & Power



EXL Services



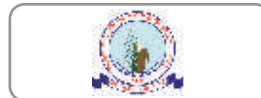
Sapient Consulting Pvt. Ltd.



Mankind Pharma Ltd.



IP Dental Collage & Hospital



Maharana Pratap University of Agriculture & Technology



Metro Hospital & Heart Institute



Fourth Force Surveillance Indo Pvt Ltd



Grim Tech Project Ltd.



Hitachi



Hriday Credit Co-operative Society



(IIRIS)



Jain and Associates



Elantas Beck India Ltd



Ultra Tech Cement



Biological E. Ltd.



Falcon Bureau of Investigations- Ghana



Parekh Integrated Services

Alliances



LEDDY CONSULTANCY LTD.
The Experts in Pharmaceutical Science

MCREED FORENSIC
Forensic Expertise in Medicine & Law

National Presence

- | | | | |
|--------------|-------------|-------------|-----------|
| • Ahmedabad | • Dehradun | • Lucknow | • Pune |
| • Bengaluru | • Hyderabad | • Ludhiana | • Sahdol |
| • Chandigarh | • Jalandhar | • Mumbai | • Udaipur |
| • Chennai | • Kolkata | • Prayagraj | |

Global Presence

- | | | | |
|-------------|-------------|------------|------------------|
| • Australia | • Ghana | • Maldives | • Uganda |
| • Canada | • Indonesia | • Nigeria | • United Kingdom |
| • Dubai | • Ireland | • Tanzania | • USA |
| • Fiji | • Italy | • Thailand | |



Reg. Office : 2443, Hudson Lane, Kingsway Camp, Delhi-110009

Corp. Office : A-14, 1st Floor, Mahendru Enclave, Delhi-110009

Telephone: +91-11-47074263 | Mobile: +91-9953546546

Email: investigation@sifsindia.com | Web: www.sifsindia.com