



गृह मंत्रालय
MINISTRY OF
HOME AFFAIRS



Course on Document Examination for CJF

(07 to 11 July, 2025)



विद्यया अमृतं अश्नुते

National Forensic Sciences University

Knowledge | Wisdom | Fulfilment

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

Level of Participants	Judges/Magistrate, Dy. SP/ACP/AC and above, Prosecution Officials, Defence Officers & SSO and above from CFSL/FSL
Duration	05 days

About the Course

Advances in technology as well as its easy availability to the common man have reduced the use of conventional ways of communicating using pen and paper. Even the existing conventional documents are now being converted into electronic form. Therefore, changes in the field of Forensic Document Examination are obvious.

Handwriting is either now converted into typewriting (Digital Form) using sophisticated Optical Character Recognition Systems for written documents or by using the digital pen for freshly created documents.

These advances in electronic documents have given the ease of work to users but on the other hand, it is also raising new challenges for Forensic Document Examiners. Earlier authorship was fixed on handwritten conventional documents but now due to either the non-availability of originals or due to digitization of particular documents, opinion forming on photocopies or computer printouts (of handwritten documents) has become a challenging task.

Almost all transactions relating to commercial, social, educational and governmental activities center in one form or the other on documents. The production of spurious documents is the natural accomplishment of offenses relating to cheating, fraud, misappropriation or criminal misconduct by a public servant.

Forensic examination of Questioned Documents plays a vital role in solving white-Collar Crimes. Therefore, document consciousness is the present need to understand the technology and take proactive measures in the scrutiny of such documents.

This 5-day course has been customised to suit the requirements of the functionaries of the Criminal Justice System by imparting training about tools and techniques available in Forensic Document Examination and therefore, enable them to prevent White-Collar Crimes including Financial fraud in the initial stages.

Objectives

1. To familiarize the participants with various types of forgeries in conventional documents.
2. To introduce participants to various tools and techniques available in the laboratory for the examination of conventional as well as electronic documents.
3. To provide hands-on exercise and demonstration of various scientific equipment available in the laboratory.
4. To explain the significance of digital evidence, its acceptance as well as expert testimony in the Court of Law.

Course Contents

- 1. White Collar Crimes and the Role of Forensic Document Examiner:**
 - White Collar and Financial Crimes – An Overview
 - Evolution of Forensic Document Examination
 - Role of Forensic Document Examiner in crime solving.
- 2. Investigation of Financial Frauds – present scenario – Challenges and probable Solutions.**
 - Issues in the investigation.
 - Probable and suitable solutions.
 - Real-life Case studies
- 3. Scope of Forensic Document Examination:**
 - Various problems which can be solved in the laboratory.
 - Limitations of Document Examination.
 - Latest Facilities and Equipments
- 4. Procurement of Standards for comparison and identification of Handwritings/Signatures:**
 - Contemporaneous Period Admitted.
 - Handwriting/signature, typescripts, xerox Standard collection.
 - Real-life Case studies
- 5. Pre-search considerations, collection, preservation and analysis of Digital Evidence:**
 - Pre-search considerations for the collection of digital evidence.
 - The principle and methodology of digital forensics.
 - Guidelines that need to be followed in the investigation of cyber crimes.
- 6. Computer Frauds and Cyber Crimes – Forensic Analysis**
 - Latest type of computer frauds and cyber crimes.
 - Identification and investigation of such crimes
 - Forensic Tools available to examine such cases.
- 7. Forensic Document Examination - types of forgeries and their detection**
 - Types of forgeries – conventional and Modern.
 - Examination of built-up and fabricated documents.
 - Detection of Transplanted signatures.
- 8. Latest Advances in Fingerprint Identification – Tools & Techniques:**
 - Fingerprint examination basics.
 - Latest techniques for lifting chance prints and taking roll prints.
 - Latest tools and techniques – AFIS, NAFIS, etc.
- 9. Importance of Document Examination - Various Case Studies**

- Real-life cases of forensic documents.
- Techniques used in solving complex cases.
- Appreciation in the court of law

10. Examination of Security Documents – Case Studies

- Examination of Bank Notes
- Security features in Indian Passport.
- Examination and detection of counterfeit currency.

11. Examination of printed matter, electronic and computer printouts – Case Studies

- Examination of typescripts.
- Examination of printed matters.
- Examination of electronic printouts with case studies.

12. Plastic cards-Detection and prevention of forgery in Credit cards, Debit Cards and Smart Cards:

- Process of Electronic transactions
- Types of plastic cards and their features
- Detection & Investigation of Plastic frauds

13. Banking Frauds – Preventive Measures, Investigations and Detection

14. Detection and Decipherment of Alterations, Obliteration, Substitution and Erasures in Documents:

- IT Act and its amendments.
- Cyber Laws and Digital Evidence in the Court.
- Digital Documents and their acceptance in the court room.

15. Stock Exchange and Money Laundering Frauds- Case Studies:

- Fraudulent Schemes & Scams.
- Forex & Stock Market Frauds.
- Terror funding & its impact on National Security.

16. Examination of Anonymous and Pseudonymous complaints & letters – Case Studies:

- Examination of Anonymous and Pseudonymous letters.
- Application of Forensic Stylistics.
- Real-life Case studies

17. Demonstration of various scientific equipment in the Forensic Document Laboratory of NFSU Delhi Campus:

- Scientific Principle & working of State-of-the-Art Equipment.
- Application in the detection of forgery in documents.
- Security documents and their security features.

18. Collection of Evidence from Online Social Media:

- Digital Signature Certificates and SSL
- Tools used for imaging and acquisition of digital evidence from Social Media.
- Online Demonstration of different open-source and proprietary

tools for analysis and discovery of various artifacts from the acquired evidence, digital image enhancements, and intelligence from online social media.

19. Laws related to Digital Evidence- IT Act and its Amendments

- IT Act and its amendments.
- Law related to the service provider.
- Real-life Case studies

20. Digital / Electronic Documents & their acceptance - Laws related to Cyber & Other laws:

- Acceptance of digital evidence and admissibility of forensic reports.
- Challenges and Cross-examination w.r.t. to Forensic Reports.
- Real-life Case studies