

## NATIONAL FORENSIC SCIENCES UNIVERSITY

### TRAINING SCHEME

1	Title of the Training Programme	:	Fingerprint Science and Questioned Document Examinations
2	Duration of the Programme	:	03/07/2023 to 14/07/2023
3	Objectives of the Programme	:	<ol style="list-style-type: none"><li>1. To understand the significance of fingerprint biometrics for personal identification</li><li>2. To study the latest tools and technologies for fingerprint examination and analysis</li><li>3. To understand the role of document evidence in criminal or civil disputes</li><li>4. Importance of handwriting or signature in authorship determination</li><li>5. To study the latest tools and technologies for document examination and analysis</li><li>6. To understand the techniques used for dealing with cases involving financial frauds, e documents or digital signatures</li></ol>
4	Venue	:	NFSU Gandhinagar Campus
5	Course Contents	:	As per enclosed statement

## Contents of the Programme on “Fingerprints and Questioned Document”

Sr. No.	Contents
1	Introduction and Fundamental principles of fingerprint science in crime investigation
2	History and development of Fingerprint Science
3	Anatomy and biological significance of skin, Types and importance of sweat glands
4	Types of chanced prints, their collection, handling, and preservation on various surfaces
5	Physical & chemical Methods for fingerprint development
6	Latent print enhancement by Laser and other alternate light sources
7	Classifications of fingerprint patterns
8	Identification of ridge characteristics and comparison of fingerprints
9	Methods for classification of fingerprints
10	Collection of fingerprints from dead bodies
11	Automated Fingerprint Identification system (AFIS) and recent advances in the examination and analysis of fingerprint patterns
12	Introduction to white collar crimes
13	Forgeries and its types
14	Authorship identification using handwriting
15	Latest tools and techniques required for document examination
16	Forensic stylistics in personal identification
17	Examination of security documents: currency notes, passports, visa, credit debit cards
18	Tampering and alteration detection in document evidences
19	Examination of scanned, fax and xeroxed copies
20	Examination of computer printouts
21	Examination of typescripts
22	Estimating the age of document or writing
23	Determination of sequence of written strokes
24	Examination and analysis of printed matter & its related concepts
25	Forensic examination of e-documents and digital signatures
26	Photography of document and fingerprint exhibits
27	Report writing: juxtaposed charts, evidence in the court
28	Principles and concepts of Forensic Accounting, types of financial frauds
29	Reporting financial frauds and methods for fraud detection
30	Basic concepts of money laundering, history, methods & related laws
31	Tracing Illicit Transactions, collection, preservation, examination, analysis and interpretation of electronic data relating to fraud
32	Visit to various CoEs of NFSU

33	Practical: Preparation of fingerprint slips, pattern analysis, comparison, classification, development, and lifting of fingerprints from various surfaces.
34	Practical: Comparison of handwriting, examination of forged signatures, security features of a currency, passport, visa, credit and debit cards, alterations in documents, determination of sequence of strokes

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