

### **ADVANCED TECHNOLOGY IN FORENSIC SCIENCE (10 DAYS)**

<b>Date/Day</b>	<b>0930-1045 Hrs.</b>	<b>1100-1215 Hrs.</b>	<b>1215-1330 Hrs.</b>	<b>1430-1500 Hrs.</b>	<b>1500-1615 Hrs.</b>	<b>1630-1745 Hrs.</b>
<b>1<sup>st</sup> Day</b>	Registration and Inauguration	Advancement in Forensic Science- New Concepts	Crime Scene Management – Relevant legal provisions under Cr. PC in c/w the Search & Seizure of material evidences and Evidence Act for Forensic Science	Experience Sharing	Modern Day Photography and Videography and its importance in Documentation of Scene of crime.	
<b>2<sup>nd</sup> Day</b>	Fingerprint – Latest techniques, Automation of fingerprints	Practicals on lifting various types of fingerprints and Foot Print- Different techniques of taking foot print, dust print, Use of forensic tools and Visit to CFPB		Training Film on SOC	Importance of CCTV in detection and prevention of crime. Analysis of CCTV footage- visit to CFSL	
<b>3<sup>rd</sup> Day</b>	Forensic clues of blood, semen, saliva and other biological evidence – Their collection and preservation. Use of FTA Card	DNA Fingerprinting technology and its importance in crime investigation – discussion with case studies	Visit to DNA Lab at CFSL	Training Film on handling, lifting, labeling, packing	Practical on handling, lifting, labeling, packing of exhibits and procedures to send them to CFSL. Guidelines regarding preparation of questionnaire	
<b>4<sup>th</sup> Day</b>	An overview of Cyber-crime. Introduction to Digital Forensics	Email Tracking with Hands on		Training Film/ Experience Sharing	Search / seizure of digital evidences, dos & don'ts.	Tools / software used for investigation of online crimes
<b>5<sup>th</sup> Day</b>	GSM Mobile Telephone System – an overview mobile station, BTS, base station controller, mobile switching centre	Overview on CDR data and hands on with CDR analysis software.	Social Networking sites. Use of online tools for evidence collection.	Experience Sharing	Visit to Cyber Lab/CFSL/Cyber Crime police station	

<b>6<sup>th</sup> day</b>	An Overview of Narco Analysis, Lie Detector, Brain Mapping.- case studies	Recent Supreme Court Judgement (2008), Guideline of NHRC for Polygraph Test/ Narco analysis	Training Film on Narco Analysis	Visit to FSL/ CFSL for demonstrations on Polygraph Test/ Narco analysis/Brain Mapping
<b>7<sup>th</sup> day</b>	Examination of Questioned document and examination of Counterfeit currency Visit to Government Examiner of Questioned Documents (GEQD) Lab	Voice Spectrography and its relevance in Police Investigation	Experience Sharing	Visit to State CID for Portrait Parley
<b>8<sup>th</sup> Day</b>	Identification of explosives using advance kits	Identification of an individual (Superimposition DNA Finger printing)	Training Film	Demonstration of different advanced Investigation Kits (Narcotics, Ballistic, and Explosive etc.)
<b>9<sup>th</sup> Day</b>	Introduction to Forensic Psychology and Forensic Audit.	An overview on Ballistic Finger Printing-Visit to Ballistic division of CFSL	Test	Syndicate Group presentation
<b>10<sup>th</sup> day</b>	Concept of preventive Forensics	Judicial Appreciation of forensic evidences	Experience Sharing	Feedback and Vaediction

**Tea Break: 1045-1100 & 1615-1630 Hrs, Lunch Break: 1330-1430 Hrs**

**Yoga session 0600-0700 Hrs (Summer), 0630-0730 Hrs (Winter)**