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गृह मंत्रालय
MINISTRY OF
HOME AFFAIRS



विद्यया अमृतं अश्नुते

**SPECIAL COURSE ON
COLLECTION AND PRESERVATION
OF DIGITAL AND FORENSIC
EVIDENCE VIZ-a-VIZ NEW
CRIMINAL LAWS
(13 May to 15 May, 2024)**



विद्यया अमृतं अश्नुते

**National Forensic
Sciences University**

Knowledge | Wisdom | Fulfilment

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

ABOUT THE COURSE

The legislative landscape in India has recently witnessed significant changes with the passing of transformative laws such as The Bharatiya Nagrik Suraksha Sanhita (BNSS), Bharatiya Sakshya Adhiniyam (BSA), and Bharatiya Nyaya Sanhita (BNS) by the Parliament. These laws bring about fundamental shifts in the Criminal Justice Adjudication system, necessitating a thorough understanding of their provisions. To address this need, a Three-day course has been tailored to familiarize individuals with the basic tenets of these new criminal laws, emphasizing the importance of investigation and digital evidence in the interface between investigation officers and the legal framework.

In tandem with these legal developments, the pace of technological advancement is accelerating, permeating various facets of society and reshaping our way of life. The advent of Computers and Information Technology has revolutionized sectors specially Law. While these advancements have facilitated seamless access to information, they have also exposed vulnerabilities leading to the misuse of technology for illicit activities such as money laundering, drug sales, betting, gambling, tax evasion, and illegal gambling operations. Indeed, many traditional crimes now leverage computers and networks for execution. Consequently, there has been a surge in cybercrimes necessitating a robust response in the form of digital forensics. Digital forensics entails the meticulous investigation of computer-related offenses to procure evidence admissible in court. This paradigm shift in criminal activity poses challenges for Criminal Justice Functioning at large, particularly for Investigation Officers who grapple with the intricacies of investigating such cases. Sensitizing Investigation officers to effectively handle these cases is imperative to enhance Speedy trial and conviction rates.

To address this exigency, the Three Days Course on Digital Evidence and New Criminal Laws for Investigating Officers has been convened. The overarching objective of this course is to equip participants with a holistic understanding of Digital evidence and crimes cybercrime, digital frauds, and the requisite forensic methodologies. By empowering Investigating Officers with specialized knowledge and skills, this initiative aims to bolster the efficacy of investigating the cases which include digital evidences and ultimately fortify the pillars of justice.

COURSE OBJECTIVES

The course objective to equip Investigating Officers with specialized knowledge and skills relevant to the intersection of Digital Evidence and New Criminal Laws. Participants will:

- Develop an understanding of the role and responsibilities of Criminal Justice Functionaries in handling Cyber Crime Cases.
- Applied Knowledge and Skills of Police Officers to effectively collect, analyze, and interpret physical and digital evidence in accordance with legal standards and protocols outlined in New Criminal Laws, demonstrating proficiency in crime scene investigation and forensic techniques. Explore digital deception, including Deepfake and Deep Web phenomena, and cryptocurrency.
- To familiarize the participants with the different types of crimes, which occur through social media sites and the technique to detect and prevent them.
- Explore the interdisciplinary nature of forensic evidences and its application in crime scene investigation, evidence collection, preservation, analysis, and interpretation Gain in-depth knowledge of tools and techniques for mobile forensics, disk forensics, collection, and preservation of volatile and non-volatile data, etc.
- Witness demonstrations of different high-end digital forensic tools like UFED, FTK, and Ant Analyzer.
- Enhance their ability to appreciate, evaluate, and interpret case laws with reference to the IT Act.
- To introduce the participants with the various tools and techniques for collection, acquisition and preservation of digital evidences from social networking sites.
- To enhance the knowledge base of the participants with discussion of real-life cases pertaining to the investigation of crime cases related to social media and the technique of cracking them.
- To enable the participants, appreciate, evaluate and interpret the case laws with reference to the IT Act and other laws related to Social Media Evidence.
- To discuss the investigation and intelligence collection of user's social media data from various cloud sources, future challenges of OSM and ways to prevent major criminal incidents.

COURSE CURRICULUM

The Three-Day Course on Digital Evidence and New Criminal Law for Investigating Officers offers a comprehensive program aimed at providing Investigating Officers with the expertise and competencies necessary to effectively manage the complexities of digital crime investigations and prosecutions. The following topics will be extensively covered during this program:

S. No.	Topics
1	Evolving role of Deep Web, Deep Fake and Darknet Market Places
2	Meta Data and Preservation of Digital Exhibits
3	Digital Crime: Photography, Videography & other Electronic Means: A Comparison on Old and New Criminal Law
4	Decoding Cryptocurrency <ul style="list-style-type: none">• Understanding cryptocurrency transactions and their implications for digital forensic investigations• Investigating cryptocurrency-related crimes
5	Collection and Preservation of Volatile and Non-Volatile Data: New Criminal Law
6	IT Act 2008 & Draft Digital India Act 2023 <ul style="list-style-type: none">• Understanding the legal framework surrounding digital evidence• Exploring the proposed Draft Digital India Act 2023 and its implications for digital forensics
7	Preparation, Admissibility of Digital Evidence <ul style="list-style-type: none">• Guidance on preparing digital evidence for legal presentation• Ensuring the admissibility of digital evidence in court proceedings• Developing SOPs for handling digital evidence effectively
8	Mobile Phone Technology and Forensic: New Criminal Law
9	Hands on Mobile Phone Technology and Forensic
10	Hands on- Imaging and Analysis of Digital Evidence
11	Hands on- Collection and preservation of Volatile and Non-Volatile Data
12	Chain of Custody: A Forensic perspective under (BNSS& BSA)

COURSE PROGRAMME

DAY – 1

TIME	DETAILS
09:30-10:00AM	Registration
10:00-10:15AM	Welcome Address by the Campus Director/ Dy. Director (Training)
10:15-10:45AM	Evolving role of Deep Web, Deep Fake and Darknet Market Places Dr. Col. Inderjit Singh
10:45-11:15AM	GROUP PHOTO AND TEA BREAK
11:15-12:15 PM	Meta Data and Preservation of Digital Exhibits Shri Vikas Kumar
12.15 – 01:30 PM	Digital Crime: Photography, Videography & other Electronic Means: A Comparison on Old and New Criminal Law Sh. Sanjeev Kumar Gupta/Prof. Dr. Minakshi Sinha
1:30 PM-2:30 PM	LUNCH
02.30 – 03.45 PM	Decoding Crypto Currency Dr. Deepak Garg
03:45-04:00 PM	TEA BREAK
04.00– 05.00 P.M	Collection and Preservation of Volatile and Non-Volatile Data: New Criminal Law Dr. Deepak Raj Rao

DAY – 2

TIME	DETAILS
10.00-11.15AM	IT Act 2008 & Draft Digital India Act 2003 Dr. Swapnil Pandey
11.15AM-11.45AM	TEA BREAK
11:45-01:00 PM	Admissibility of Digital Evidence Dr. Swapnil Pandey
01.00 – 02.00 PM	LUNCH BREAK
02:00 -03:15 PM	Mobile Phone Technology and Forensic: New Criminal Law Shri Nitin Chauhan
03.15– 03.45 P.M	TEA BREAK
03.45-05PM	Hands on Mobile Phone Technology and Forensic Shri Nitin Chauhan

Day 3

TIME	DETAILS
10.00-11.00AM	Hands on- Imaging and Analysis of Digital Evidence Dr. Brahm Prakesh
11:00-12:00 Noon	Hands on- Collection and preservation of Volatile and Non-Volatile Data Dr. Brahm Prakesh
12.00 – 12:15	TEA BREAK
12:15- 01:15 PM	Chain of Custody: A Forensic perspective under (BNSS& BSA) Dr. Navtika Nautiyal
01.15 – 02.15 PM	LUNCH
02:15-03:40 PM	Feedback & Valedictory Ceremony

