



गृह मंत्रालय
MINISTRY OF
HOME AFFAIRS



Special Course on Crypto Currency Investigations for LEAs and Judiciary Officers (25-27 November, 2025)



**National Forensic
Sciences University**

Knowledge | Wisdom | Fulfilment

An Institution of National Importance

(Ministry of Home Affairs, Government of India)

**Special Course on
Crypto Currency
Investigations for LEAs
and Judiciary Officers
(25-27 November, 2025)**



ABOUT THE COURSE

This specialized course is designed to build the investigative and analytical capabilities of Law Enforcement and Judiciary officers in handling cryptocurrency-related crimes. It provides an in-depth understanding of blockchain fundamentals, crypto transactions, wallets, and exchanges, along with practical exposure to tracing illicit funds using blockchain explorers, forensic tools, and OSINT techniques. Participants will learn how to analyse transaction patterns, identify wallet owners, trace funds across multiple blockchains, and preserve digital evidence in compliance with legal standards under the IT Act, PMLA, UAPA, and FATF recommendations.

Through live demonstrations, case studies, and practical exercises, the course will familiarize participants with real-world crypto investigations involving ransomware, darknet markets, terror financing, and fraud schemes. It also addresses emerging threats such as DeFi-based laundering, NFT frauds, and metaverse crimes, highlighting the challenges of anonymity and decentralized systems. By the end of the program, participants will be equipped to investigate, interpret, and present blockchain evidence effectively, enhancing their capability to counter cryptocurrency-enabled crimes.



COURSE OBJECTIVES

1. To familiarize the participants with the fundamentals of cryptocurrencies, blockchain networks, wallet systems, exchanges, and decentralized financial infrastructures.
2. To introduce the various forms of cryptocurrency-enabled crimes along with the modus operandi used by criminals for anonymity, asset movement, and cross-border laundering.
3. To train the participants in wallet tracing methodologies using Blockchain Explorers, OSINT techniques, transaction graph analysis, and correlation of digital identities.
4. To demonstrate the use of Blockchain Forensics Tools and Intelligence Platforms for the investigation, monitoring, and attribution of cryptocurrency transactions.
5. To provide participants hands-on exposure to identifying and preserving blockchain-based digital evidence in a forensically sound and legally admissible manner.
6. To enhance investigative skills through discussion of real-time case studies involving darknet transactions, ransomware payments, financial frauds, and online organized
7. To enable participants to evaluate and interpret legal provisions under the IT Act, PMLA, BNS, UAPA, and FATF recommendations related to search, seizure, freezing, and prosecution in crypto-crime investigations.
8. To discuss future trends, emerging challenges, and preventive strategies against DeFi-based laundering, privacy-enhancing cryptocurrencies, NFT frauds, and crypto-financial scams.



TRAINING CURRICULUM

1. Introduction to Cryptocurrency and Blockchain Technology

- Overview of decentralized and peer-to-peer finance
- Types of cryptocurrencies and their digital infrastructure
- Public, Private and Consortium Blockchains

2. Cryptocurrency-Enabled Crimes and Their Modus Operandi

- Fraud, darknet transactions, ransomware and cyber-extortion
- Use of privacy coins, mixers, tumblers and chain-hopping
- Role of decentralized exchanges (DEXs) in obfuscation

3. Wallet Tracing and Transaction Analysis

- Identification and classification of wallet addresses
- Transaction graph analysis and linking transaction flows
- Live demonstration using blockchain explorers and Case study-based wallet tracking exercises

4. Blockchain Forensics and Intelligence Platforms

- Open-source and professional blockchain forensics tools
- Entity clustering and wallet attribution techniques
- Demonstrations with real-world investigation workflows

5. Investigation of Darknet and Crypto market Activities

- Structure of Darknet markets and crypto-mediated commerce
- Cryptocurrency escrow and P2P trade practices
- OSINT & undercover access methods (awareness level)

6. Legal, Regulatory, and Procedural Aspects

- Indian legal framework: IT Act, PMLA, UAPA, BNS & related rules
- Exchange compliance, KYC/AML mandates & FATF travel rule
- Search, seizure, freezing, and documentation of digital evidence
- The existing legal position in India pertaining to crypto and the various aspects of development of Crypto law in India.

7. Evidence Collection, Preservation and Chain of Custody

- Forensically sound acquisition of blockchain-based evidence
- Preparation of investigation reports and forensic audit summaries
- Courtroom admissibility & testimony best practices

8. Future Challenges and Evolving Trend

- DeFi-based laundering pathways and smart contract crime
- NFT scams, rug-pulls, phishing pools and metaverse crime vectors and global developments

