

# Certified Cyber Crime Investigation Techniques

## Contents:

- Emerging Trends & Techniques in Cyber Crime Investigation Techniques
- Basics of Computer & Storage Fundamentals
- Basics of Internet -IP Address, Mac Address, Domain Name System & URLs
- Useful Commands & Techniques to lead the investigation process
- Introduction & Identification of Digital Evidence
- Search and Seizure Process of Digital Evidence
- Search and Seizure Process of Digital Evidence
- Digital Evidence Acquisition Techniques
- Data Recovery from Various Repositories using freeware & open source tools & technologies
- Mobile Device Acquisition & Analysis techniques
- Mobile Device Analysis Techniques
- Acquisition of data from running servers, Accessing /Preservation of data from routers / Wifi Access Points
- Email and Internet Frauds and Investigation Techniques
- Leveraging Social Media Intelligence Gathering/Cyber Patrolling.
- Admissibility of Digital Evidences & role of service providers
- Introduction to dark web & understanding the functioning of cryptocurrency
- OSINT Fundamentals
- Overview of IT Laws & Its Amendment, Governance & Policies
- Financial Frauds Overview & Investigation Techniques
- Cryptocurrency-based crime & Investigation techniques
- Roles of computers in crime & other misconduct
- Search and Seizure Process of Digital Evidence (Hands On)
- Digital Evidence Acquisition Techniques (Lab)
- Types of potential digital evidence that can be created by an OS
- Details of common file systems & partitioning Fundamentals
- OS-specific data hiding & restoration techniques
- Computer Forensic Analysis platforms, tools & Techniques (Lab)
- Mobile phone Acquisition Techniques
- Mobile OS Fundamentals & Common File Systems
- Various data extraction & Data Processing Techniques for hand held devices
- Mobile Phone Analysis Techniques (Lab)
- Network components that may be of evidentiary significance
- Network packet filtering & analysis Firewalls, IDS & IPS, Content Security & Log analysis
- Packet Capturing and Analysis (Lab)
- Emerging trend in social media crimes, Information Gathering/Cyber Patrolling
- Drafting of Subpoena requests, Preservation letter, Emergency Disclosure Request Form, COC (Chain of Custody) Form