CSDFC
CYBER SECURITY AND DIGITAL FORENSICS CENTRE
CHANAKYA NATIONAL LAW UNIVERSITY (CNLU), PATNA

CHANAKYA NATIONAL LAW UNIVERSITY , PATNA

PRESENTS

THREE-DAY CERTIFICATE COURSE ON

CYBER SECURITY & DIGITAL FORENSICS

IN BLENDED* MODE **(ONLINE OR IN-PERSON)**

REGISTER TODAY

Course Fee: ***Rs. 10,000/- (INR)***
Eligibility: ***Candidates who are pursuing graduation or have graduated are eligible to register.***
Programme Dates: ***January 9–11, 2026 (3 Days)***
Last date to apply: ***5 January 2026***
Intake: ***45 per batch***
Note: ***Admission will be first come first served basis.***

SCAN TO APPLY

***Blended mode indicates that participants have the option to attend the course either online by joining meeting-links virtually or in person (Physical) at the CNLU Patna campus.**

(A PRACTICAL ORIENTED, HANDS-ON, SKILL DEVELOPMENT PROGRAM)

ABOUT CNLU

Established on 15 July 2006 under the Chanakya National Law University Act, 2006 and recognised under Sections 2(f) and 12(B) of the UGC Act, CNLU stands as a premier institution committed to academic excellence, constitutional values, and community service. Located on an 18-acre green campus at Nyaya Nagar, Mithapur, Patna, the University provides a vibrant learning environment supported by modern infrastructure, residential facilities, IT-enabled campus, medical services, counselling support, and strong industry–judiciary engagement.

Guided by the ideals of constitutional morality, Fundamental Duties, professional ethics, social responsibility, and inclusiveness, CNLU nurtures future-ready legal professionals through rigorous academics, practical exposure, and mentorship by eminent judges, senior advocates, and distinguished academicians. The University exemplifies financial autonomy with accountability and delivers education aligned with national priorities and global standards.

ABOUT THE PROGRAMME

The Cyber Security & Digital Forensics programme at CNLU is designed to address the growing challenges of cybercrime and digital evidence in today's technology-driven world. The course offers a practical, interdisciplinary approach combining law, technology, and forensic science.

Key Highlights

- Fundamentals of Cyber Security, cyber laws, and regulatory frameworks
- Digital Forensics techniques: evidence acquisition, preservation, analysis, and reporting
- Understanding cybercrimes, investigation workflows, and courtroom presentation of digital evidence
- Exposure to real-world case studies and tools used by investigators and legal professionals

Who Should Attend

- Law students and legal practitioners
- Police and investigative officers
- IT professionals, compliance officers, and cybersecurity enthusiasts
- Academicians and researchers interested in cyber law and forensics

This programme reflects CNLU's commitment to skill-based, contemporary legal education, empowering participants with knowledge that is immediately relevant to careers in law enforcement, legal practice, corporate compliance, and cyber investigations.

LEARNING OUTCOMES

After completing this course, participants shall be able to

- Understand the fundamental principles such as confidentiality, integrity, availability (CIA triad), authentication, authorization, and non-repudiation.
- Identify Common Cyber Threats and Attacks by recognizing various forms of cyber threats including malware, phishing, ransomware, social engineering, network attacks, and insider threats.
- Apply Basic Cyber Defense Techniques for the Implementation of essential security practices for safe data handling measures.
- Analyze Network and System Vulnerabilities by Using basic tools and techniques to detect vulnerabilities, assess risks, and understand how attackers exploit weaknesses.
- Respond Effectively to Cybersecurity Incidents to handle incident response procedures and outline the steps required to contain, mitigate, and recover security breaches.
- Understand the Foundations of Digital Forensics by exploring the principles of digital evidence, chain of custody, and legal/ethical considerations in forensic investigations.
- Perform Basic Digital Forensic Techniques by using digital forensic tool kits to acquire, preserve, and analyze digital evidence from computers or mobile devices.
- Interpret Forensic Findings in the electronic evidence by documenting observations, generating simple forensic reports, and understanding how findings support investigations.
- Understand the benefits of Digital Evidence in Legal Proceedings and Challenges in handling it for increasing the conviction rates in criminal proceedings along with understating the Section 65B under the Indian Evidence Act, 1872, that governs the admissibility of electronic evidence.
- Enhance Personal and Organizational Cyber Hygiene by adopting best practices for securing personal devices, networks, and online presence while promoting cybersecurity awareness.

TOPICS COVERED

- **Definition of Cyber Security and Web-technology:** Definition and basics of Computers, Electronic Devices, Operating Systems, Cyber Safety, Cyber Security, CIA Triad (Confidentiality, Integrity & Availability of Information), Fundamentals of Digital Hygiene, Types of Cyber Threats. Architecture of Cyberspace, Communication and Web technology, Internet, World Wide Web, Advent of Internet, Internet infrastructure for data transfer and governance, Internet society.
- **Regulation of Cyberspace:** Cyber Security Mechanisms, need and modes of Cryptography, Encryption, Firewalls, Passwords, Privacy, Digital Signatures- Issues and challenges of cyber security.

- **Emerging Technologies & Trends:** IPv4(Internet Protocol Version)v/s IPv6, IOT(Internet of Things), Machine Learning, Artificial Intelligence, Crypto currency and Block Chain Technology, Cloud Computing, Web 3, and Dark Web.
- **Types of Cyber Crimes:** Hacking (Computer Viruses, Time Bombs, Trojans, Malicious Code "Malware", DOS, DDOS, Web defacement, Phishing, cloning, financial frauds, social engineering attacks, malware and ransom ware attacks, zero-day and zero click attacks), Cyber Stalking, Cyber Bullying, Cyber Pornography, Child Pornography, Cyber Laundering, Online betting and games, Violation of Cyber Privacy, Voyeurism, Data Privacy, Data Theft, and Cyber Terrorism.
- **Cyber Crime Investigation:** Cyber Crime Cells, Reporting of Cyber Crimes, Cyber Investigation.
- **Electronic Evidence Retrievals:** Analysis and significance of Cyber Forensics- Introduction to Cyber Forensic Life cycle, Digital formats of data storage media- Internal architecture of existing storage media with reference to electronic evidence
- **Legislative framework and Judicial response on admissibility of electronic evidence under IT Act, BNS, BSA, BNSS, POCSO and DPDA.**

PRACTICAL EXERCISES USING VIRTUAL LABS

- **Authentication Management:** Definition and importance of authentication, types of authentications – Facial, Iris, Fingerprint, Palm print, multi-factor, Use of authentication – places where authentication access should be used.
- **Password Management:** Importance of password management, creation of strong, unique & secure passwords, techniques of maintaining passwords over various platforms, updating passwords regularly, password management tools and practices.
- **Secure Internet Browsing:** Understanding secure connections (HTTPS) & avoiding untrusted networks, Web browser security settings & extensions.
- **Cyber Control Systems:** List out security controls for the computer and implement technical security controls in the personal computer. List out security controls for mobile phones and implement technical security controls in the personal mobile phone.
- **Cyber Crimes Case studies:** Demonstration of DDOS, DNS Poisoning attacks, SQL Attacks, Malware and Ransomware attacks, and creating awareness on preventive measures.
- **Cyber Crime Scene Management:** Learn the fundamentals of Digital Forensics and Incidence Response (DFIR) tool kits and it practice usage for Cyber Crime Investigation procedures on Kali Linux, Autopsy, CSI Linux Etc

MODE OF DELIVERY

- **Mode of Delivery:** Blended (both Online and In-Person) Sessions commence at 10AM and ends at 5PM, all the three days of the course delivery.
- **Location for In-Person mode:** Cyber Forensics Lab, Cyber Security and Digital Forensics Center - CSDFC, CNLU Campus, Patna.
- **For Online**: Links for joining the course online will be sent to registered email-id.
- **Registration Process:** Submission of Online Application Form along with the requisite fee.

SPEAKERS

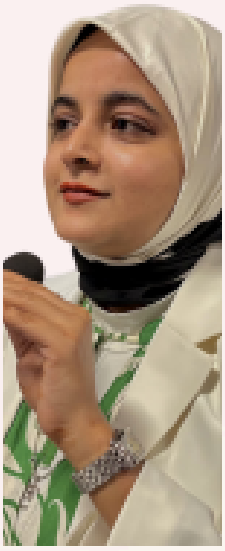
Prof. (Dr.) Faizan Mustafa

Mr. Ram Mohan, SP -Cyber Crimes, AP Police

Dr. Rajesh Kumar, I4C Expert and Digital Forensics Examiner

Mr. B .Md. Irfan, Professor of Practice – Cyber security

Dr. Kumar Gaurav



Dr. Sadaf Fatim

Mr. Rajesh Gopal, Cyber Security Expert

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