# A Report on Workshop titled "Cyber Security and Ethical Hacking" Organized by Department of CSE- Data Science on 10.09.2026

**Report Submitted by: Mr. Arockia Raj, Asst. Professor, Department of CSE-Data Science.**
**Resource Person Details: Mr. Nalaemton S, CEO, Nalaemton Infotech, Chennai.**
**Venue: SRP-219**
**Mode of Conduct: Offline**
**Report Received on 28.09.2026**

## About the Resource Person:

**Mr. Nalaemton S**, is the **Founder and Chief Executive Officer (CEO) of Nalaemton Infotech, Chennai**. He is an industry professional with expertise in **Cyber Security, Ethical Hacking, Information Security, and emerging technologies**. Through his professional experience and industry exposure, he has been actively involved in creating awareness among students about the growing importance of cybersecurity in the digital era.

As the CEO of Nalaemton Infotech, he has been working towards providing technology-oriented solutions and creating opportunities for students to understand the practical applications of cybersecurity and ethical hacking. His interaction with students provided valuable insights into the current trends, challenges, career opportunities, and professional skills required in the field of cybersecurity.

## Objective of the Workshop

The primary objective of the workshop was to introduce students to the **fundamental concepts of Cyber Security and Ethical Hacking** and create awareness about the increasing cyber threats in today's digital environment.

The workshop aimed to:

- Introduce students to the basic concepts of **Cyber Security and Information Security**.
- Explain different types of **cyber threats, attacks, and vulnerabilities**.
- Create awareness about **ethical hacking and its importance in securing computer systems and networks**.
- Familiarize students with common security threats such as **phishing, malware, password attacks, social engineering, and network attacks**.
- Explain the importance of **strong passwords, authentication, data protection, and secure browsing practices**.
- Provide students with practical exposure to cybersecurity tools and techniques.
- Explain the role of ethical hackers in identifying and preventing security vulnerabilities.
- Create awareness about **career opportunities and industry requirements in Cyber Security and Ethical Hacking**.
- Encourage students to develop practical skills and continuously update their knowledge in the rapidly evolving field of cybersecurity.

## Report of the Workshop:

The **"Cyber Security and Ethical Hacking" Workshop** was conducted on **10.09.2026** at **SRP-219** with the active participation of the students and faculty members. The programme commenced with a warm welcome to the Resource Person, HOD, dignitaries, faculty members, and students. The gathering was addressed by the faculty members, who highlighted the importance of cybersecurity education in the present digital era.

The students were encouraged to understand the importance of protecting personal information, institutional data, computer systems, and networks from cyber threats. The speakers emphasized that cybersecurity is not only the responsibility of security professionals but also an essential skill for every technology student.

The Resource Person, **Mr. Nalaemton S, CEO of Nalaemton Infotech, Chennai**, began the technical session by introducing the students to the fundamental concepts of **Cyber Security and Ethical Hacking**. He explained how the rapid growth of the internet, cloud computing, online transactions, social media, and digital services has increased the importance of information security. Students were introduced to the **CIA Triad – Confidentiality, Integrity, and Availability**, which forms one of the fundamental principles of information security.

The Resource Person explained various types of **cyberattacks and security threats**, including phishing, malware, ransomware, password attacks, social engineering, denial-of-service attacks, and other common forms of cybercrime. Real-world examples were discussed to help students understand how attackers exploit vulnerabilities in systems and networks.

The session also focused on the concept of **Ethical Hacking**. The students learned that ethical hackers work with proper authorization to identify security vulnerabilities and help organizations strengthen their security mechanisms. The difference between ethical hacking and unauthorized hacking was explained clearly, emphasizing the importance of legal and responsible use of cybersecurity knowledge. The students actively participated in the interactive session and raised questions regarding cybersecurity threats, ethical hacking tools, career opportunities, certifications, and the skills required to enter the cybersecurity industry.

## Industry Interaction and MOU Signing

As part of strengthening the relationship between the institution and the industry, an **Memorandum of Understanding (MOU)** was signed between the institution and **Nalaemton Infotech, Chennai**. The MOU signing ceremony was conducted at **4:00 PM** in the presence of the concerned HoD, faculty members, the Resource Person, and students.

The MOU is intended to strengthen **industry–academia collaboration** and provide students with opportunities for practical learning, technical exposure, skill development, training, workshops, internships, and other industry-oriented activities in the areas of cybersecurity and emerging technologies.

The signing of the MOU marked an important step towards providing students with greater exposure to current industry practices and enhancing their employability through industry-relevant skills.

## Outcomes of the Workshop

At the end of the workshop, the students were able to:

- **Understand the fundamental concepts of Cyber Security**, Information Security, and Ethical Hacking.
- **Identify common cyber threats and attacks**, including phishing, malware, ransomware, password attacks, and social engineering.
- **Understand the principles of ethical hacking** and the importance of authorized security testing.
- **Gain awareness of cybersecurity tools and techniques** used for vulnerability identification and security assessment.
- **Understand the importance of network, web, system, and data security** in protecting digital resources.
- **Develop awareness of safe cybersecurity practices**, including strong authentication, secure passwords, data protection, and responsible internet usage.
- **Gain practical insights into real-world cybersecurity challenges** through demonstrations and interactive discussions conducted by the industry expert.
- **Understand career opportunities in Cyber Security and Ethical Hacking**, along with the technical and professional skills required by the industry.
- **Improve problem-solving and analytical thinking skills** by understanding how cybersecurity professionals identify and address security vulnerabilities.
- **Gain industry exposure** through interaction with the CEO of Nalaemton Infotech and discussions on current cybersecurity trends and requirements.
- **Understand the importance of continuous upskilling** to remain relevant in the rapidly changing field of cybersecurity.
- **Benefit from industry–academia collaboration** through the signing of the MOU between the institution and Nalaemton Infotech.

## Conclusion

The **"Cyber Security and Ethical Hacking" Workshop** conducted on **10.09.2026 at SRP-219** was highly informative and beneficial to the students. The session provided a comprehensive understanding of cybersecurity fundamentals, ethical hacking, common cyber threats, security practices, and industry requirements. The interaction with **Mr. Nalaemton S, CEO of Nalaemton Infotech, Chennai**, provided students with valuable industry insights and practical knowledge.

The workshop encouraged students to explore cybersecurity as an emerging career domain and motivated them to enhance their technical skills. The **MoU signing at 4:00 PM** further strengthened the relationship between the institution and Nalaemton Infotech and is expected to provide students with opportunities for **training, internships, workshops, skill development, and industry-oriented learning** in the future. Overall, the workshop successfully achieved its objectives by combining **technical knowledge, practical exposure, industry interaction, and career awareness**, thereby contributing to the professional development of the students.

## Newspaper Clips:

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epaper.eenadu.net



విద్యార్థులతో మాట్లాడుతున్న నలేమ్టన్

### ఎథికల్ హ్యాకింగ్‌పై అవగాహన

**కురబలకోట, మదనపల్లె విద్య, న్యూస్‌టుడే:** విద్యార్థులు సైబర్ సెక్యూరిటీ, ఎథికల్ హ్యాకింగ్‌పై అవగాహన పెంచుకోవాలని చెన్నైకు చెందిన నలేమ్టన్ ఇన్నోటెక్ సంస్థ ఫౌండర్ ఎస్.నలేమ్టన్ అన్నారు. మిట్స్ డీమ్డ్ టు బీ విశ్వవిద్యాలయంలో కంప్యూటర్ సైన్స్ అండ్ ఇంజినీరింగ్ (డేటా సైన్స్) వారు విద్యార్థుల కోసం సైబర్ సెక్యూరిటీ, ఎథికల్ హ్యాకింగ్‌పై ఒకరోజు సెమినార్ నిర్వహించారు. ఆయన మాట్లాడుతూ డిజిటల్ ప్రపంచంలో పెరుగుతున్న సైబర్ నేరాలను ఎదుర్కొనే లక్ష్యంతో సైబర్ సెక్యూరిటీ, ఎథికల్ హ్యాకింగ్‌పై పట్టు సాధించాలన్నారు. సంస్థల డేటా, కంప్యూటర్ సిస్టమ్‌లు, నెట్‌వర్క్‌లను సురక్షితంగా ఉంచేందుకు అనుసరించాల్సిన విధానాలు, ఆధునిక సైబర్ సెక్యూరిటీ టూల్స్, మెథడాలజీల వినియోగంపై అవగాహన కల్పించారు. విభాగాధిపతి ఎస్.కుసుమ, సమన్వయకర్త ఆరోక్యరాజ్, విద్యార్థులు పాల్గొన్నారు.

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