



VIT

Vellore Institute of Technology
(Deemed to be University under section 3 of UGC Act, 1956)

One Day Workshop on Zero to Cybersecurity: Hands-on Learning Experience

7th April 2026

Organized by

School of Computer Science and Engineering
(SCOPE)

Vellore Institute of Technology
Vellore – 632 014



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Dr. P Boominathan

Head – Department of Software Systems,
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Dr. M. P. Gopinath

Head – Department of Information Security,
SCOPE

Coordinators:

Dr. M. Anbarasi

Associate Professor, Department of IS, SCOPE

Dr. G. Siva Shanmugam

Associate Professor, Department of SS, SCOPE

CONTENTS OF THE PROGRAMME

- Introduction to Cybersecurity and Ethical Hacking
- Understanding cyber threats, attack vectors, and real-world security incidents
- Learn networking fundamentals for security (IP, DNS, HTTP/HTTPS, ports & protocols)
- Hands-on experience with tools like Nmap, Wireshark, Snort and Burp Suite, Metasploit.
- Perform reconnaissance and vulnerability assessment techniques
- Identify and exploit common web application vulnerabilities (SQL Injection, XSS, Authentication flaws)

Target Audience:

UG and PG students

Registration:

The participants are requested to register for the workshop through the following link.

<https://events.vit.ac.in/>

Registration fee (Including GST):

- UG/PG Students: Rs. 200/-

Last date for registration: 06.04.2026

ABOUT VIT

VIT was established with the aim of providing quality higher education on par with international standards. It persistently seeks and adopts innovative methods to improve the quality of higher education on a consistent basis. The campus has a cosmopolitan atmosphere with students from all corners of the globe. Experienced and learned teachers are strongly encouraged to nurture the students. The global standards set at VIT in the field of teaching and research spur us on in our relentless pursuit of excellence. Our Memoranda of Understanding with various international universities are our major strength.

ABOUT SCOPE

The school has one of the best infrastructures including domain-specific labs associated with the technical departments. The main aim is to produce computing graduates with potential, to design and develop systems involving the integration of software and hardware devices employ innovative approaches in programming and problem solving, and create Large Scale Software Systems. With an objective of developing core competence in the subject matter specializations and special interest groups for learning newer technologies.

The school has formed the following technical departments:

- Department of Analytics
- Department of Computational Intelligence

- Department of Database Systems
- Department of Software Systems
- Department of Information Security
- Department of IoT
- Department of Quantum AI

ABOUT WORKSHOP

This workshop is designed to provide participants with a comprehensive introduction to modern cybersecurity concepts through a practical, industry-oriented approach. The program begins with Foundations of Cybersecurity & Threat Intelligence, enabling participants to understand the evolving threat landscape and core security principles. It then progresses into Network Monitoring, Analysis & Threat Detection, where learners gain insights into network behavior, protocols, and real-time traffic analysis using professional tools. The workshop further explores the Ethical Hacking Methodology & Vulnerability Assessment, guiding participants through structured approaches to identifying and analyzing system weaknesses. Finally, the session on Web Application Security Testing & Exploitation Techniques equips participants with knowledge of common web vulnerabilities and hands-on experience in testing and securing applications. Overall, the workshop emphasizes experiential learning, bridging theoretical knowledge with practical skills essential for real-world cybersecurity scenarios.

SPEAKERS

Dr. M. Anbarasi
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SCOPE

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