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

40 YEARS OF TRANSFORMING LIVES

ViTality'25
Industry–Academia Conclave

National Level Workshop on
Defending Against AI-Powered Cyber Attacks: Strategies & Best Practices

12th December 2025

Organized by
School of Computer Science and Engineering (SCOPE)
Vellore Institute of Technology
Vellore – 632 014

Organizing Committee

Chief Patron:
Dr. G. Viswanathan, Chancellor

Patrons:
Mr. Sankar Viswanathan, Vice President
Dr. Sekar Viswanathan, Vice President
Dr. G.V. Selvam, Vice President

Co-Patrons:
Dr. V. S. Kanchana Bhaaskaran
Vice Chancellor
Dr. Partha Sharathi Mallick
Pro-Vice Chancellor
Dr. T. Jayabarathi, Registrar

Convener:
Dr. N. Jaisankar, Dean In-charge, SCOPE

Co-Convener:
Dr. H Parveen Sultana, Associate Dean In-charge, SCOPE

Organizing Secretaries:
Dr. Sendhil Kumar K S
Head – Database Systems, SCOPE
Dr. Boominathan P
Head – Software Systems, SCOPE

Coordinators:
Dr. Meenakshi S.P, Department of DS, SCOPE
Dr. Vijayasherly V, Department of SS, SCOPE

Contents of the Programme

- **Defensive Security practices in Industries**
- **Hands on Security Threat using Kali Linux(VMWare)**
- **Metasploit , Social Engineering Threats**
- **Mobile-based Threats**
- **Demonstration of vulnerability exploitations using online tools**
- **Malwares, AI-based Threats**

Target Audience:
Student/Research Scholars/Faculty Members

Workshop Venue and Time:
SJT 507, 10 am to 5 pm

Registration:

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

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

Registration fee: Rs. 400/- + GST

Deadline for Registration

- **Last date for registration: 10.12.2025**

ABOUT THE 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 THE SCOPE

The school has one of the best infrastructure 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 THE WORKSHOP

The rapid advancement of Artificial Intelligence has transformed both cybersecurity defense and offensive threat capabilities. AI-powered cyber-attacks such as automated phishing, intelligent malware, deepfakes, and adversarial manipulation pose increasingly sophisticated risks to organizations and individuals. This workshop, *"Defending Against AI-Powered Cyber Attacks: Strategies & Best Practices,"* provides participants with a comprehensive understanding of emerging AI-driven threats and their real-world impacts. It focuses on modern defensive techniques including threat intelligence, behavior-based detection, zero-trust architecture, and responsible AI governance. Through interactive demonstrations and case studies, attendees will learn effective mitigation strategies, security automation approaches, and best practices needed to strengthen cyber-resilience in the age of AI-enhanced attacks.

Speakers

Mr. Dhesik Vinayak S R, Sr. Engineer - Cybersecurity , L&T , Chennai

Mr. Mr. Pradhan Vijayakumar, Managing Director, Zero2infynite (Partner EC Council) - Chennai

For further details contact

Email: spmeenakshi@vit.ac.in, vvijayasherly@vit.ac.in

Mobile: +91-9487232193
+91-9486051456

SCAN Me