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

Two Days Online International Workshop on Harnessing AI for Next-Gen Cybersecurity Solutions

2nd & 3rd April 2025

Organized by

School of Computer Science and Engineering (SCOPE)

Vellore Institute of Technology Vellore – 632 014

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Dr. S. Murali
Head - Database Systems, SCOPE

Coordinators:
Dr. S M Farooq,
Assistant Professor Department of Computational Intelligence, SCOPE
Dr. Konatham Sumalatha,
Assistant Professor Department of Database Systems SCOPE

CONTENTS OF THE PROGRAMME

- Introduction to Cyber Security
- Attacks on Deep Learning Models
- Training Machine Learning Models
- Cybersecurity solutions in smart grid communication networks
- Cybersecurity trends in the GenAI era

Target Audience:

Faculty members, Research Scholars, 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):
Faculty Members: Rs. 500/-
Research Scholars: Rs. 300/
UG/PG Students: Rs. 250/-
Foreign participants: 20 USD

Last date for registration: 31.03.2025

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

ABOUTWORKSHOP

This Workshop aims at providing a forum for members of the research and academy community. The Workshop enables the participants to understand the recent advancements in Cybersecurity, Machine Learning, Deep Learning and its applications in advanced communication networks. In the post quantum era, where cryptographic algorithms losing its significance in Identifying security attacks, leveraging Machine Learning and Deep Learning algorithms in this task attracts research community in a significant way. The sessions include both the discussion of machine learning and deep learning techniques along with its relevance in cybersecurity. The sessions also include theory and hands-on sessions on the domains like deep learning techniques, attacks on deep learning, thirst areas in machine learning and cybersecurity, applications of cybersecurity in advanced communication networks.

SPEAKERS

Dr Shiv ram Dubey
Assistant Professor
Indian Institute of Information Technology (IIIT) Allahabad, India.

Dr. Hameed Siddiqui
Assistant Professor
Osmania University, Hyderabad, India.

Dr. S M Suhail Hussain
Assistant Professor
King Fahad University of Petroleum and Minerals (QS World University ranking #101), Kingdom of Saudi Arabia.

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Manager
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