



**VIT**<sup>®</sup>  
**Vellore Institute of Technology**  
 (Deemed to be University under section 3 of UGC Act, 1956)

**One-day Online workshop on Data  
 Chaos to Trusted and Secure Intelligent  
 Systems: Building High-Quality Data,  
 Reliable Models and Defensive  
 Strategies**

**09<sup>th</sup> May 2026**

*Organized by*

**School of Computer Science and  
 Engineering (SCOPE)**

**Vellore Institute of Technology**

**Vellore – 632 014**



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**Coordinators:**

**Dr. D.Deepa**, Assistant Professor

Department of Software Systems,  
 SCOPE

**Dr. N.Krishnaraj**, Assistant Professor

Department of Database Systems, SCOPE

**Contents of the Programme**

- From Data Chaos to Structured Datasets
- Building Reliable Models and Data-Driven Intelligent Systems
- Threat Landscape and Breach Analysis in Information Threat Landscape and Breach Analysis in Information Systems
- Defensive Implementation and Practical Security Measures

**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. 350/-
- Research Scholars : Rs. 300/-
- UG/PG Students : Rs. 250/-

**Last date for registration: 05.05.2026**

## 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 encourages 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 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.

## Departments

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 one-day workshop, Data Chaos to Trusted and Secure Intelligent Systems: Building High-Quality Data, Reliable Models and Defensive Strategies, offers a balanced introduction to the development of intelligent systems that are both reliable and secure. The programme begins with the importance of high-quality data, structured datasets, preprocessing, and feature engineering for predictive modeling. It then covers reliable model development through machine learning paradigms, validation methods, and evaluation metrics. The workshop also introduces the foundations of trustworthy AI, including interpretability, robustness, fairness, and governance. In the later sessions, participants will explore major information security threats, breach analysis, and vulnerabilities in data handling. Practical defensive

strategies such as authentication, access control, encryption, and secure storage will also be discussed. Overall, the workshop helps participants understand how data quality, model reliability and security together support the development of trusted intelligent systems.

## Speaker

### **Dr. V.E Sathishkumar**

Department of Data Science and Artificial Intelligence, School of Computing and Artificial Intelligence, Faculty of Engineering and Technology, Sunway University, Malaysia

### **Dr. Karuppaia Rama Abirami**

Lecturer I

School of Engineering and Technology  
PSB Academy, Singapore

### **For further details contact**

#### **Email:**

[deepa.d@vit.ac.in](mailto:deepa.d@vit.ac.in)

[krishnaraj.n@vit.ac.in](mailto:krishnaraj.n@vit.ac.in)

#### **Mobile:**

+91-7868040150

+91-9865161332

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