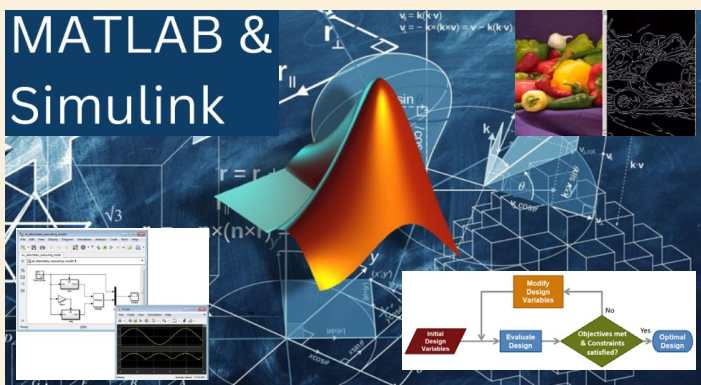


# A Value Added Programme

On

## Exploring MATLAB/SIMULINK

**Dates: 07th, 15th, and 21st February 2026, and  
07th March 2026**



### Organized by

School of Computer Science and Engineering  
Vellore Institute of Technology,  
Vellore-632014.



### ABOUT VIT

Vellore Institute of Technology (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. In fact, it has become a way of life for us. Our Memoranda of Understanding with various international universities are our major strength.

### ABOUT THE SCHOOL OF COMPUTER SCIENCE AND ENGINEERING

The School of Computer Science and Engineering (SCOPE) has one of the best infrastructures, including domain-specific laboratories associated with the technical departments mentioned below. Many of these laboratories are sponsored by industry leaders. The School has a strong track record of organizing seminars, workshops, symposia, and conferences in emerging technological areas, with the objective of developing core competence in subject matter specializations and fostering 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 Internet of Things (IoT)

### ABOUT THE VAP

MATLAB/Simulink is a simulation software specially designed for all engineering disciplines. With fast simulation speed and friendly user interface. MATLAB/Simulink is a powerful simulation environment to meet the simulation and development needs. It provides a complete platform from design to simulation. to hardware implementation.

In addition, MATLAB/Simulink provides separate toll boxes for Power Systems, Image Processing and Machine learning. This value added program can provide knowledge and hands on training for the UG/PG students and research scholars on design of feedback controllers and state observer, modelling of electrical machines, design of control strategies for Motors. Optimization techniques image processing and machine learning applications using MATLAB/Simulink.

### TECHNICAL SESSIONS

- Image Processing using MATLAB
- Machine learning & Image classification
- Design of state feedback controller & state observer using Simulink for MIMO systems
- Modelling and simulation of Power converters and wind energy conversion systems using MATLAB
- Modelling and design of state feedback controllers for Power converters using MATLAB
- Optimization techniques using MATLAB

### Resource Persons

Dr. R. M. Brisilla, SCOPE, VIT

Dr. Satyajit Das, SCOPE, VIT

Dr. Karthikeyan A, SCOPE, VIT

## REGISTRATION

Registration fee : Rs.250/-

\* Registration fee excludes 18% GST.

Prospective participants are requested to register for the VAP through the following web link

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

## IMPORTANT DATES

Last date for registration: 06-02-2026

Dates of VAP: **07th, 15th, and 21st February 2026, and 07th March 2026**

## Coordinators

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