VELLORE INSTITUTE OF TECHNOLOGY, VELLORE
SCHOOL OF ELECTRICAL ENGINEERING

ORGANIZES

INTERNATIONAL RESEARCH TRAINING PROGRAMME
ON
LEVERAGING DIGITAL TWIN TECHNOLOGY FOR SUSTAINABLE PROCESS CONTROL

DATE: 06.05.2026 TO 15.05.2026
ONLINE TRAINING PROGRAM

SPONSORED BY

The Association of Commonwealth Universities

REGISTER NOW

NO FEE

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

Organizing Committee

CHIEF PATRON
Dr. G. Viswanathan
Honorable Chancellor

PATRONS
Dr. Sankar Viswanathan, Vice President
Dr. Sekar Viswanathan, Vice President
Dr. G. V. Selvam, Vice President
Dr. Sandhya Pentareddy, Executive Director
Mrs. Kadhambari S Viswanathan, Asst Vice President
Dr. V. S. Kanchana Bhaaskaran, Vice Chancellor
Dr. Partha Sharathi Mallick, Pro–Vice Chancellor
Dr. T. Jayabarathi, Registrar

ORGANIZING CHAIR
Dr. M. Kowsalya
Dean, School of Electrical Engineering

ORGANIZING CO–CHAIR
Dr. N. Ruban
Associate Dean, School of Electrical Engineering

ADVISORY COMMITTEE
Dr. Yedula Pedda Obulesu
HoD, Energy and Power Electronics
Dr. Vinodhkumar E
HoD, Control and Automation
Dr. P. Vijayapriya
HoD, Electrical & Electronics Engineering
Dr. P. Mahalakshmi
HoD, Electronics & Instrumentation Engineering

CONVENOR
Dr. Geetha M, Professor, SELECT
Dr.V.Indragandhi, Professor, SELECT

ABOUT VIT

VIT was founded in 1984 as Vellore Engineering College by the Chancellor, Dr. G. Viswanathan. From its humble beginnings, the institution has grown exponentially to more than 35,000 students. It was conferred the University status in 2001 in recognition of its excellence in academics, research, and extracurricular initiatives. Currently, VIT has 6 campuses – in Vellore, Chennai, Amaravati (AP), Bangalore, Bhopal (MP), and Mauritius. VIT has been consistently ranked among the best institutions of the country and is aspiring to emerge as a global leader. The National Institutional Ranking Framework (NIRF) of the MHRD, Government of India, has identified VIT as the best Private Engineering Institution in India. VIT holds an exemplary placement record by consistently placing more than ninety percent of the students in good companies. The VIT's international linkages provide ample opportunities for students and faculty to gain global exposure. VIT alumni, spread across the world, are serving the most advanced as well as the most deprived.

ABOUT SELECT

School of Electrical Engineering (SELECT) has 98 faculty members who have done their UG and PG degrees from the top-notch universities. The school offers B.Tech. (Electrical and Electronics Engineering), B.Tech. (Electronics and Instrumentation Engineering), B.Tech. (Electrical and Computer Science Engineering), M.Tech. (Power Electronics and Drives) and M. Tech (Control and Automation), M.S. by Research, and Ph.D. in Engineering. B.Tech (Electrical and Electronics Engineering) and B.Tech. (Electronics and Instrumentation Engineering), is accredited by the Engineering Accreditation Commission of ABET and also by NBA for six years. All UG & PG programmes of the school are accredited by the Institution of Engineering and Technology (IET), the U.K. The placement record of the school has always been impressive. Almost 100% of the students get jobs from the campus placement, and many of them are placed in core companies every year. The school has state-of-the-art laboratories in almost all areas of Electrical, Electronics, and Instrumentation Engineering. Every year, students get scholarships to do their final year projects in abroad under the Semester Abroad Program (SAP).

TOPICS TO BE COVERED

- **Introduction to Digital Twin Technology**
- **Applications of Digital Twins in Process Control**
- **AI & Machine Learning in Digital Twin Systems**
- **Predictive Maintenance using Digital Twins**
- **Sustainable Industrial Systems**
- **Digital Twin for Smart Manufacturing**
- **Energy Optimization and Sustainability**
- **Testing and Validation of Digital Twin Models**
- **Automotive and Industrial Applications**
- **Digital Twin-based Research Project Development**

HOW TO APPLY?

For registration, use the following link
https://forms.gle/778EuT1nXx9CECcq5

INSTRUCTIONS FOR PARTICIPANTS

- **Registration will be offered on a first-come, first-served basis**
- **Attendance in all sessions is mandatory**
- **A quiz will be conducted at the end of the programme**
- **Participants are required to submit feedback after each session**

CONTACT DETAILS

Dr. Geetha M & Dr. Indragandhi V
School of Electrical Engineering,
Vellore Institute of Technology,
Vellore - 632014. Tamil Nadu. India.
Contact Number: 9566919631/9750603539
E-mail:geetha.mani@vit.ac.in & indragandhi.v@vit.ac.in