

About The Institute

Vellore Institute of Technology was founded in 1984 as Vellore Engineering College by the Chancellor Dr. G. Viswanathan. From its humble beginning, the institution has grown exponentially to that of having more than 36,000 students. Students from all the states of India and from more than 60 countries are studying at VIT. University status was conferred in 2001 by MHRD Govt. of India in recognition of its excellence in academics, research and extracurricular initiatives. Currently, VIT has 4 campuses – in Vellore, Chennai, Amaravati (AP) and Bhopal (MP).

The National Institutional Ranking Framework (NIRF) of the MHRD, Government of India, has ranked 12th in Research, 12th in Engineering Category, 13th in University Category and 21st in Overall Category in 2020. VIT has gone for accreditation by NAAC [India], IET [UK], and ABET [USA] and follows world class academic processes. VIT is the first and only University in India to get 4 star rating from QS, the world universities ranking organization. VIT has also been ranked in the top 251-300 in Times Higher Education (THE) World University Ranking (Emerging Economies) in 2021 and in the top 198 in QS Asia Ranking.

About School of Electrical Engineering

School of Electrical Engineering (SELECT) has 93 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), 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. All UG & PG programmes of the school are accredited by the Institution of Engineering and Technology (IET), U.K. The placement record of the School has always been impressive. Almost 100% of the students get job from the campus placement and many of them are getting it in core companies every year. The School has state-of-the art laboratories in almost all the areas of Electrical, Electronics and Instrumentation Engineering. Every year, students get scholarships to do their final year projects abroad under the Semester Abroad Program (SAP). Schneider Electric, India and Nxp Semiconductors, India, have established Centre of Excellence for students R&D activities under the guidance of faculty members and Industry experts. The School has signed MoUs with many foreign Universities, research organizations and Industries from where students get benefits for their R&D Work / Projects from the MoUs.

About The Conclave

Automation is one of the fastest growing segments in the field of Process industries like Refinery, Chemical, Oil & Gas, Bottling Plants, Food Processing and many more. Instrumentation & control is the most important development in modern technology. The control system is adaptable, flexible and is universally applied with defined response time, service aids and expands ability. It also brings co-ordination and co-operation between mechanical and electronic counter parts and performs tasks with the application of least physical efforts. This conclave is aimed to cover those important aspects of current trends in Advanced Instrumentation and Control. The main objective of this conclave is to provide both theoretical and practical exposure in the recent trends in instrumentation for students, research scholars, and faculty.

Topics to be covered

- * Trends and technologies in Medical Instrumentation
- * Reinforcement learning: Application to Process Control
- * Applications of Electrical Tomography in Health care
- * Accurate Gas Flow Measurement in Oil & Gas Industry with advanced flow technology
- * Consumer-Centric Internet of Things: Driving the Digital Transformation
- * Simulation Assessment and Future Directions of Linear Quadratic Regulators
- * Cyber Physical System Challenges and Opportunities in Process Control

Resource Persons:

The industry-academia conclave sessions will be delivered by experts from renowned Industries / Institutes / Research Labs in India.

1. **Dr. K.Venkataraman, Manager, Biovision Medical Systems, Chennai**
2. **Dr. Sathesh Kumar Perepu, Ericsson Pvt. Ltd., Chennai**
3. **Er. Dileep Vasam, Head-Flow Solutions, SICK Sensor Intelligence**
4. **Dr. Chitturi V, APU, Kuala Lumpur, Malaysia**
5. **Dr. Thinagaran Perumal, Universiti Putra Malaysia**
6. **Er. Manikandan, University of Michigan Ann Arbor**
7. **Dr. S. Karthikrajan, OSI -EMERSON Automation**

**Two-day Virtual Industry-Academia
Conclave
on
Current Trends in Advanced Instrumentation
for next-generation Control System**

**REGISTRATION FORM
(Capital Letters only)**

Full Name

Gender: Male / Female.

Designation:

Organization:

Address:

Mobile No.:

E-mail:

Declaration: The information provided is true to the best of my knowledge. If selected, I agree to abide by the rules and regulations of the course and attend the course for the entire duration.

Place :

Date :

Signature of Participant

Registration Link

<https://forms.gle/Ux8WTd2R3JEPTwaM6>

Registration Fee: Free of cost

Important Dates:

Registration: 21-04-2022

Virtual Platform: Zoom

Chief Patron

Dr. G. Viswanathan, Chancellor

Patrons

Shri. Sankar Viswanathan, Vice President

Dr. Sekar Viswanathan, Vice President

Shri. G.V.Selvam, Vice President

Dr. Rambabu Kodali, Vice Chancellor

Dr. S.Narayanan, Pro Vice Chancellor

Dr. K.Sathiyarayanan, Registrar

Organizing Chair

Dr. Mathew Mithra Noel,

Professor & Dean,
School of Electrical Engineering,
VIT, Vellore, India.

Organizing Co-Chair

Dr. M.Monica Subashini ,

Associate Professor & HoD,
Department of Instrumentation,
School of Electrical Engineering,

Conveners

Dr. Venkata Lakshmi Narayana K.

Associate Professor Sr.
Email : vlnarayana.k@vit.ac.in
Contact : 09790763938

Dr. Geetha Mani

Associate Professor
Email : geetha.mani@vit.ac.in
Contact : 9566919631

Organizing Committee

Dr. P.Uma Sathyakam

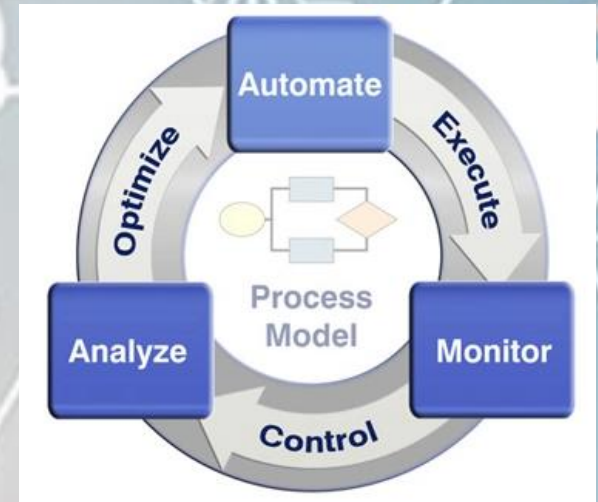
Assistant Professor Sr.

Prof. G.Vidhya Sagar

Assistant Professor Sr.



**Two-day Virtual Industry-Academia Conclave
on
Current Trends in Advanced
Instrumentation for
next-generation Control System
22nd and 23rd April 2022**



Conveners

Dr. Venkata Lakshmi Narayana K

Dr. Geetha Mani

Organized by

**Department of Instrumentation
School of Electrical Engineering,
Vellore Institute of Technology, Vellore**