

## Resource Persons

Dr. Bidyadhar Subudhi, Dean (R & D), IIT Goa

Dr. K. Venkatraman, Technical Manager,  
Biovision Medical Systems, Chennai

Dr. Dipti Patra, Professor, Department of  
Electrical Engineering, NIT Rourkela

Dr. Supratim Gupta, Assistant Professor,  
Department of Electrical Engineering,  
NIT Rourkela

Mr. P.S.Krishna, Senior Consultant, Control  
Systems, ISA Bangalore Chapter, Bangalore

Dr. M. Vasudevan, General Manager,  
HCL Technologies, Chennai

## Registration Process

Online registration is available for the five-day  
FDP on Applications of Artificial Intelligence in  
Instrumentation, Control, and Image Processing  
at the following link:

<https://tinyurl.com/2j2v63e9>

## Registration Fee

Participant registration Fee

Faculty Participants: INR 500

Research Scholars: INR 400

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

## Important Dates

Last Date for Registration : 03<sup>rd</sup> July 2022

## Organizing Committee

### 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. T. Jayabarathi, *Registrar*

### Organizing Chair

Dr. Mathew Mithra Noel, *Professor & Dean*  
*School of Electrical Engineering*

### Organizing Co-Chairs

Dr. N. Amutha Prabha, *Assoc. Dean &*  
*Sr. Assoc. Professor, School of Electrical Engineering*  
Dr. M. Monica Subashini, *Assoc. Professor &*  
*HOD(EI),*

*School of Electrical Engineering*

Dr. N. Ruban, *Assoc. Professor & HOD (CA),*

*School of Electrical Engineering*

Dr. I. Jacob Raglend, *Professor & HOD (EEE),*

*School of Electrical Engineering*

Dr. N. Arun, *Assoc. Professor & HOD (EPE),*

*School of Electrical Engineering*

## Convenors

Dr. P. Mahalakshmi  
*pmahalakshmi@*  
*vit.ac.in*

Dr. S. Vivekanandan  
*svivekanandan@*  
*vit.ac.in*

Dr. Sonam Shrivastava  
*sonam.shrivastava@*  
*vit.ac.in*

Dr. A. Sharmila  
*asharmila@*  
*vit.ac.in*



# VIT<sup>o</sup>

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

## 5 Day Faculty Development Program On Applications of Artificial Intelligence in Instrumentation, Control, and Image Processing

4<sup>th</sup> - 8<sup>th</sup> July, 2022

Organized by



Dept. of Instrumentation

&

Dept. of Control and Automation

School of Electrical Engineering  
Vellore Institute of Technology, Vellore

in association with



## About the Institution

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 that of 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 4 campuses – in Vellore, Chennai, Amaravati (AP) and Bhopal (MP). 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. With students from all the states of India and from more than 50 countries, the cosmopolitan VIT provides an appropriate ambience for holistic learning and comfortable living. Sports, games and cultural activities are an integral part of student life on campus. VIT holds an exemplary placement record by consistently placing more than ninety percentage 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 School of Electrical Engineering

School of Electrical Engineering (SELECT) has 109 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), the 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). Danfoss Industries Pvt. Ltd. India, 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 FDP

The Faculty Development Program on Applications of Artificial Intelligence in Instrumentation, Control, and Image Processing is a platform for researchers, academicians as well as professionals from all over the world to present, discuss and promote advances in knowledge, research, and practice in the field of Sensors, Image Processing, Signal Processing, Adaptive Control, Artificial Intelligence and Machine Learning. This FDP is offering a fantastic opportunity to attend a global scientific forum

from the convenience of your desktop. No traveling, no hotel expenses, no time away from the office. The program runs fully online, from registration, sessions and interaction. The resource persons are from Industries, IIT's and NIT's. The FDP will provide an exposure towards recent trends in the industry and in research. The participants will receive an e-certificate on successful completion of the FDP.

## Topics to be Covered

- **Adaptive Control of Autonomous Underwater Vehicle**
- **Advances in Sensor Technology**
- **Image Processing using Generative Adversarial Network**
- **Image Processing with System-On-Chip**
- **Codes & Standards**
- **Safety and Hazardous Measures in Standards**
- **Application of Machine Learning and Deep Learning Algorithms for Automotive Control Systems**