

COUNCIL OF SCIENTIFIC AND  
INDUSTRIAL RESEARCH (CSIR)

Sponsored

National Workshop on “Recent Trends in  
Green Energy Drives with Hands-on  
Practice”

Date : 07.04.2022 to 09.04.2022

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

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Associate Professor & HOD (EPE)  
School of Electrical Engineering

Conveners

Dr. Chitra A.

Associate professor  
School of Electrical Engineering, VIT Vellore, India  
E-Mail: chitra.a@vit.ac.in  
Mobile: + 91 9894760447

Dr. Razia Sultana W.

Associate professor School of Electrical Engineering,  
VIT Vellore, India  
E-Mail:wraziasultana@vit.ac.in  
Mobile: +91 9943295041

Dr. V. Indragandhi

Associate professor  
School of Electrical Engineering VIT Vellore, India  
E-Mail: indragandhi.v@vit.ac.in  
Mobile: +91 97506 03539



VIT<sup>®</sup>

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

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Organized by

Department of Energy and Power Electronics  
School of Electrical Engineering,  
Vellore Institute of Technology, Vellore

## About the Institute

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 societies.

## About School of Electrical Engineering

School of Electrical Engineering (SELECT) has 88 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. Achieved 250-300 rank position in QS world ranking.

## About the workshop

At present, the major energy supplier worldwide is the fossil fuels. This has resulted in problems such as air pollution and greenhouse effect. Fossil fuels are not renewable energy resource and take millions of years to form. To meet the rising energy demand and to protect the planet from pollution, researchers around the globe are working on renewable, green and clean energy. The renewable sources like solar energy, wind energy, fuel cell and biomass are promising alternatives. Being environment friendly it does not contribute to global warming and therefore termed as green or clean energy. The need for a green energy drive assumes importance as there are numerous applications employing drives. Among the AC drives, the induction motor drives are quite popular due their own advantages of being robust, cheap and maintenance free. Thus these induction motors have become the workhorses in many industries. Nearly 75% of the electrical load in India comprises of induction motors, hence the overall power system efficiency is centrally dependent on the drive performance. In order to meet the energy requirements, an efficient green energy drive is to be developed. This workshop focuses on the green energy drives for industrial applications. In this workshop, the main focus will be on the below discussion points.

- Recent trends and Challenges in green energy drives for industrial applications.
- Application of Artificial Neural networks in green energy drives.
- Deployment of green drives in Electric Vehicles.
- Hands on practices in MATLAB environment

## Certificate:

Participation certificates will be issued by the School of Electrical Engineering, VIT, Vellore after confirming the following. The attendance is mandatory for all the sessions. The feedback need to be submitted at the end of each session. Minimum marks must be scored in the online quiz to be conducted by the organizer at the end of the workshop.

## Registration Fee:

Pay Rs. 100 per participant at the time of Registration.

## Registration link:

Internal-<https://forms.gle/FhCucRg8R08XXFhg6>

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

## Important dates:

Registration: 04.04.2022

Registration Confirmation: 05.04.2022

Workshop : 07.04.2022

Virtual Platform: Zoom

## Speakers:



### Dr. D. MadhanMohan

Scientist, ABB Global Industries and Services Ltd  
Chennai, India



### Dr. A. Venkadesan

Assistant Professor  
Department of Electrical and Electronics Engineering  
National Institute of Technology, Puduchery



### Dr. N. Rajasekar

Professor  
School of Electrical Engineering  
VIT, Vellore



### Dr. Chitra A

Associate Professor  
School of Electrical Engineering  
VIT, Vellore



### Dr. Raja Singh R

Associate Professor  
School of Electrical Engineering  
VIT, Vellore



### Mr. Vaddemani Guru Prasad Reddy

Senior Engineer, Robert Bosch Engineering and Business Solution Pvt. Ltd.