

Two Day National Level  
Industry-Institute Conclave On  
**CHALLENGES IN  
SUSTAINABLE ENERGY  
SYSTEMS**

**REGISTRATION FORM**

(Capital Letters only)

Full Name .....

Gender: Male / Female.

Designation: .....

Organization: .....

Address: .....

.....

Mobile No.: .....

E-mail : .....

Accommodation required: Yes/ No

(On payment basis)

D.D. No.: .....

Amount : . . . . . Date : .....

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:

Last date for Registration: 06/02/2019

Signature of Participant

**ADVISORY COMMITTEE**

**Dr.S.Sivabalan**

Professor and Dean, School of electrical  
Engineering, VIT, Vellore

**Dr. Arulmozhivarman. P**

Professor, School of Electrical Engineering, VIT, Vellore.

**Dr. D. Elangovan**

Associate Professor & Head, Department of Energy &  
Power Electronics,  
School of Electrical Engineering,  
VIT, Vellore.

**CONVENERS**

**Dr. V. Indragandhi**

Associate Professor,  
Department of Energy & Power Electronics,  
Mail : indragandhi.v@vit.ac.in,  
Contact : 97506 03539

**Dr. N.Sudhakar**

Associate Professor,  
Department of Energy & Power Electronics,  
Mail id: nsudhakar@vit.ac.in,  
Contact : 9942002947

**CO-CONVENERS**

**Dr.N.Rajasekar**, Professor,

**Dr. R. Raja Singh**, Associate Professor,  
**Dr.K.Palanisamy**, Associate Professor,  
Department of Energy & Power Electronics,  
School of Electrical Engineering, VIT, Vellore.



**VIT**<sup>®</sup>

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

Two Day National Level  
Industry-Institute  
Conclave On

**CHALLENGES IN  
SUSTAINABLE  
ENERGY SYSTEMS**

**08 FEB 2019**

**09 FEB 2019**



**IN ASSOCIATION WITH**



*Organized by*

**Department of Energy & 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 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), 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 CARES RENEWABLES

Cares Renewables have done project development and consulting for more than 100 MW of solar projects and have four research labs across India for applied research in Solar PV. We have trained more than 7000 professionals in Solar Sector. We along with our Service Partners have executed more than 2,500 kW of SaveGen series advanced Solar Power Plants in rooftops across India.

## Resource people

Experts from various renewable energy industries and reputed academicians.

## Topics to be covered

- *Solar Modules and Grid-Tied Inverter Technology, Key Performance Indicators, Familiarization of Data Sheet.*
- *Panel Discussion*
- *PV Cables and AC cables -Factors to be considered for selection & usage.*
- *Grid-Tied System -Different Architectures and Familiarization of Data Sheet.*
- *Grid-Tied System – IOT , String and Hybrid System.*
- *System Importance of Surge Protection Devices in Solar PV System.*
- *Demo of different types of Panels (Mono, Poly, back-contact, thin film), Inverters (5 kW 3 Phase, Single Phase, Off-Grid, Micro inverters, Optimizers) and Structure.*
- *Introduction to Micro-inverter & Power Optimizer Technology Design of Grid - Tied PV System with Sample Problem.*
- *Introduction to Tools for Design and Installation Practices.*
- *PPA Model for Rooftop Solar Power Plant.*
- *Hybrid Inverters – Introduction.*
- *Solar O & M-Considerations.*

## Registration Fee:

Faculty: 1500/-

Industry Experts/Scientists: 2000 /-

Students/Research Scholars: 1000/-

DD in favor of 'VIT University' payable at Vellore - 632 014, Tamil Nadu.

## Online payment link:

[http://info.vit.ac.in/Events-VIT/Sustainable\\_Energy\\_Systems/apply.asp](http://info.vit.ac.in/Events-VIT/Sustainable_Energy_Systems/apply.asp)