

## ABOUT THE WORKSHOP

Main objective of this seminar is to provide wide knowledge to the faculty members, researchers, students and stakeholders on the needs, importance, contemporary issues, innovation, mission, target and scope of renewable energy in India, on defending the energy requirements for the future. In spite the nation is bounded with vast potential of renewable resources, barely 5-10 % has been utilized as on date. The solar photovoltaic system and wind energy system contributes at the maximum which include power electronics with high quality performance devices, incorporated with smart energy management principles. Recent research and development of power converters and its intelligent controller helps to enhance the performance and facilities with optimal power management of generation and utilization of renewable power. Having a good scope, the seminar aims to cultivate the arena with latest innovative ideas and technologies shared to various research professionals and stakeholders by discussing with principal speakers of countries reputed concern.

In this program, the detailed views on the challenges in research, availed job opportunity from the renewable developments and future targets, role of advanced power converters in application to renewable energy, discussion on similar concepts in renewable systems related to reliability and advancement of technology are to be addressed by the subject experts.

## SUBMISSION OF REGISTRATION

A maximum of 60 registrations are permissible on the basis of first come first serve and selected candidates will be intimated through e-mail. The registration amount has to be paid in the form of **Demand Draft in favour of "The Principal, Vishnu Institute of Technology", Payable at "Bhimavaram"**. Spot Registration is accepted only in extraordinary circumstances and prior information's, subject to the participant vacancies.

## IMPORTANT DATES

Last date for submission of filled application: 15.08.2019  
Notification of Acceptance : 20.08.2019

## REGISTRATION FEE

Faculty/Industry Persons	: Rs.200/-
Research Scholars	: Rs.200/-
UG/PG Students	: Rs.200/-

## RESOURCE PERSONS

### 1. Dr. V. KARTHIKEYAN

Assistant Professor, Dept. of Electrical Engineering,  
NIT Calicut – 673 601, Kerala, India

### 2. Dr. A. PANDIAN

Professor & Research Head, Electrical and Electronics  
Engineering, KL University, Andhra Pradesh, India

### 3. Dr. SANKAR PEDDAPATI

Assistant Professor & Head, Dept. of Electrical  
Engineering, NIT Andhra Pradesh – 534 102, India

### 4. Dr. N. JAYARAM

Assistant Professor, Dept. of Electrical Engineering, NIT  
Andhra Pradesh – 534 102, India

## CONTENT OF SEMINAR

### Day 1

#### Session I

Current challenges, opportunities and issues on  
renewable energy systems, PMS for DC microgrid

#### Session II

Latest research and innovations in renewable energy  
systems

#### Session III

Renewable integration in hybrid AC/DC microgrid and  
protocol in smart grid

### Day 2

#### Session IV

Peak power tracking approaches in off-grid and energy  
storage applications

#### Session V

Renewable energy in application to electric vehicle  
technology

#### Session VI

On-grid renewable energy conversion systems and  
power quality issues



## CSIR Sponsored

Two Day National Level Seminar on  
"Innovations, Challenges, Opportunities and Policy  
Frameworks of Renewable Energy System for the  
Future India"

*Scheduled during*

**30<sup>th</sup> & 31<sup>st</sup> August 2019**



*Organized by*

**Department of  
Electrical and Electronics Engineering**



**Vishnu Institute of Technology**

*(An Autonomous Institution, Accredited by NAAC (A++) & NBA)*

**Bhimavaram, Andhra Pradesh 534 202**

**Approved by AICTE, Affiliated to JNTU Kakinada**

**+91 8816251333, +91 8816250344**

## ABOUT THE INSTITUTION

**Vishnu Institute of Technology** was started in the academic year 2008-09, promoted by Sri Vishnu Educational Society (SVES), a renowned education house in India established during 1992 with the primary objective of rendering selfless, dedicated and yeomen service to the cause of higher education originally in the field of Engineering and subsequently in the field of Dental, Pharmacy, Science and Polytechnic in rural parts of Andhra Pradesh and Telangana. In service motivation, the foundation is also supporting a leprosy centre, two high schools, three elementary schools, four mahila mandals and veterinary hospital in surrounding villages and other private organizations with no Government assistance. Late Padmabhushan Dr.B.V.Raju was the founder of the society and presently headed by the Chairman Shri K.V. Vishnu Raju, an eminent educationalist and distinguished industrialist. The institute offers under graduate and post graduate programmes under different departments with highly qualified faculty and excellent infrastructure in computing, information technology, laboratories and library. The Institute has crown with **Autonomous Status and accredited by NAAC (3.51/4) & NBA.**

## ABOUT THE DEPARTMENT

The Department of Electrical & Electronics Engineering is one of the largest departments in the Institute, offers a regular undergraduate programme with 2 intakes in Electrical and Electronics Engineering leading to the B.Tech and a post graduate programme in Electrical and Power Engineering leading to the M.Tech. The department is well equipped with highly sophisticated laboratory equipment & excellent research facilities with advanced software's in Electrical Engineering. The department has been regularly conducting a number of workshops and development programmes for the benefit of student, researchers and faculty of technical institutions. The course was accredited by NBA.

## ABOUT CSIR

The Council of Scientific & Industrial Research

in diverse S&T areas, is a contemporary R&D organization. Having pan-India presence, CSIR has a dynamic network of 38 national laboratories, 39 outreach centres, 3 Innovation Complexes and 5 units. CSIR's R&D expertise and experience is embodied in about 4600 active scientists supported by about 8000 scientific and technical personnel.

CSIR covers a wide spectrum of science and technology – from radio and space physics, oceanography, geophysics, chemicals, drugs, genomics, biotechnology and nanotechnology to mining, aeronautics, instrumentation, environmental engineering and information technology.

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Professor and Head / EEE

Organizing Secretary : Dr. S. Pragaspathy  
Associate Professor / EEE

Coordinators : Mr. VSN Narasimha Raju, AP/EEE  
: Mr. Ch. Phani Kumar, AP/EEE  
: Mr. KNS Durga Prakash, AP/EEE

## ADDRESS FOR CORRESPONDENCE

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Associate Professor / EEE  
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Vishnu Institute of Technology (Autonomous)  
Bhimavaram 534 202, Andhra Pradesh, India

## CONTACT

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## Vishnu Institute of Technology (An Autonomous Institution affiliated to JNTUK) Accredited by NAAC (A++) & NBA

Bhimavaram, Andhra Pradesh 534 202

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## REGISTRATION FORM

Name :  
Designation/Dept :  
Institution/Organization :  
Educational :  
Qualifications :  
Address for :  
Communication :  
  
Mobile Number :  
E-mail ID :  
Payment Details :  
Demand Draft No. :  
Amount :  
Date :  
Bank Name :

Signature of Participant

## SPONSORSHIP CERTIFICATE

Mr/Ms/Dr \_\_\_\_\_  
\_\_\_\_\_ is an employee /student of  
our Institute/Organization and is hereby sponsored. She/he  
will be permitted to attend the programme in full.