



## Dr. N.G.P. INSTITUTE OF TECHNOLOGY

Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai,  
Recognized by UGC & Accredited by NAAC and NBA(BME,CSE,ECE,EEE & Mechanical)  
Dr.N.G.P. - Kalapatti Road, Coimbatore - 641 048

**CSIR Sponsored**

**Two - days National level Workshop on  
"Smart Grid and Power Quality Enhancement in  
Renewable Energy Technologies (SGPQERET)"  
(19.09.2018 & 20.09.2018)**

### REGISTRATION FORM

Name (in capital letters) :  
Department :  
Qualification :  
Organization :  
Address :  
Contact No :  
E-mail :

### Registration Details

Registration Fee: \_\_\_\_\_ DD No. \_\_\_\_\_  
Bank Name & Date: \_\_\_\_\_

Accommodation Required: Yes / No  
Place:  
Date:

Signature of the Candidate

### Sponsorship Certificate

Mr./Ms./Dr \_\_\_\_\_ is currently working in our college and he/she has been sponsored for attending Two days workshop at Dr N.G.P. IT.

Place:  
Date:

Head of the Department

## ORGANIZING COMMITTEE

### Chief Patron:

Dr. Nalla G. Palani swami,  
Chairman, Kovai Medical Center & Hospital

Dr. Thavamani D. Palaniswami,  
Secretary, Dr.N.G.P. Institute of Technology

### Patron:

Dr.O.T. Buvaneshwaran,  
CEO, KMCRET

### President:

Dr.K. Porkumaran, Principal, Dr.N.G.P.IT

### Convener:

Dr.S. Jaganathan, Professor & Head / EEE,  
Dr. N.G.P.IT

### Coordinator:

Mr.N.R.Govinthasamy, AP/EEE

### Important Dates:

Last date for receipt of registration form: 15.09.2018  
As the number of registration is limited, the registration will be done by first come first served basis only.

Participants are requested to send the duly filled-in registration form through post or E-Mail as mentioned below. Registration fee for the Programme can be paid by taking the **Demand Draft** drawn in **favor of "The Principal, Dr.N.G.P. Institute of Technology"** payable at **Coimbatore**. The spot registration is also permitted for the participants who confirm their participation by mail.

### Address for Correspondence:

The Organizing Secretary,  
Department of EEE,  
Dr N.G.P. Institute of Technology,  
Dr N.G.P. - Kalapatti Road,  
Coimbatore-641048, Tamilnadu, India.

Website: [www.drngpit.ac.in](http://www.drngpit.ac.in)

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**COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH  
(CSIR)**

**MINISTRY OF SCIENCE & TECHNOLOGY  
GOVT. OF INDIA**

**Sponsored**

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### Conducted by

Department of Electrical & Electronics  
Engineering  
Dr N.G.P. Institute of Technology  
Coimbatore - 641048

## ABOUT THE INSTITUTION

Welcome to an institution that recognizes the power of education to help Nurture, Grow and Progress. Dr.Nalla G Palaniswami - A name that is taken with great reverence by the medical fraternity and common public alike, for his pioneering efforts in providing quality healthcare. Since its inception in 1989, the Kovai Medical Center and Hospital or KMCH as we know it, has been redefining the corporate hospital set up, making healthcare accessible to all, catering to patients from all over the globe. Looking beyond its success and recognizing the need for competent technical education, Dr.N.G.P. initiated the establishment of Dr.N.G.P. Institute of Technology in 2007, and the N.G.P. Group of educational institutions. The College has been affiliated to Anna University, Chennai, approved by the All India Council for Technical Education (AICTE), New Delhi, recognized by UGC under section 2(f) and Accredited by NAAC and NBA for five Departments.

## ABOUT THE DEPARTMENT

The Department of Electrical and Electronics Engineering was established during the inception of the institute in 2007 and Accredited by NBA in 2018. Department has received Gold Ranking for AICTE- CII - Industry Linkage survey and Teaching Awards from StaffordShire University, UK & Education Matters. It provides an international ambience in a local setting with innovative and engaging teaching methods, workshops, lecture series, industry institute interaction, seminars by eminent speakers ,virtual industry tour and research activities through Industry powered centers like National Instruments LabVIEW Academy, e-Yantra (Center for Robotics) sponsored by MHRD and Project Laboratory . It offers a comprehensive array of courses that encompass the undergraduate, postgraduate and Ph.D levels with an objective of imparting quality education and research whilst leading on the innovation curve. The Department received the total grant of Rs 25 lakh towards the establishment of IIPC, Seminar Grants, Project Grants, Student Project Schemes from the agencies such as AICTE, IEEE Madras Section ICTACT Institutions of Engineers (India) and IITB Mumbai.

## SMART GRID :

The mobile industry is seen as a potential enabler to reduce greenhouse gases. It is necessary to reduce the operation expenditure or energy consumption of mobile networks, while maintaining quality of service. In the trend of energy-saving emission reduction, people can reduce energy consumption, and leverage new technology to enhance the efficiency of energy use at the same time. The smart grid is one of the important technical applications that enhance energy efficiency. Energy storage devices have many of the same attributes of conventional generations and some others that can make valuation more complex.

The energy challenge is designed to support the transition to a reliable, Sustainable and competitive energy system. It is important to develop and bring to market affordable, cost effective and resource efficient technology solutions to the energy system in a sustainable way, secure energy supply and complete the energy internal market. Renewable energy technologies are clean sources of energy that have a much lower environmental impact than conventional energy technologies.

## OBJECTIVE OF THE WORKSHOP

This workshop will throw light into the understanding of the practical aspects of Smart Grid using modern techniques like LoRa . LoRa technology can help the successful promotion of smart city. These techniques enhance the quality in Renewable energy sources.

The Workshop will also help in understanding the various soft computing methodologies used in this techniques. The students, faculty members and practicing engineers attending this workshop will be able to gain an in depth knowledge of Smart Grid. They will be able to apply this knowledge by solving the real time problems in an effective utilization of renewable energy sources and Smart Grid.

## TOPICS TO BE COVERED:

- Power Quality Enhancement in Renewable Systems & Energy Conservation
- LoRa Technology for Smart City
- Bloom Box
- Hands on Training - Intelligent Smart Grid Systems and Smart Metering
- Hands on Training - Solar Panel Installation
- Power Sector Issues towards Smart Grid

## RESOURCE PERSONS:

Eminent Resource Persons from the leading Institutions and Industries will handle the sessions.

## ELIGIBILITY & REGISTRATION FEE

Eligibility	Registration Fee
Students (UG & PG)	Rs.350/-
Research Scholars & Faculty from Engineering colleges / Polytechnic	Rs.500/-
Engineers from R&D Organizations /Industries	Rs.600/-

