



**ICT BASED FACULTY  
DEVELOPMENT PROGRAMME  
ON  
POWER ELECTRONICS FOR  
RENEWABLE ENERGY  
SYSTEMS**

**O PLAN: ICT52**

**REGISTRATION FORM**

Name:.....  
Designation:.....  
Organization:.....  
Address:.....  
.....  
Contact Number:.....  
Email id:.....

Date: \_\_\_\_\_  
Place: \_\_\_\_\_ Signature of Applicant

**SPONSORSHIP CERTIFICATE**

Mr./Mrs. \_\_\_\_\_  
\_\_\_\_\_ is sponsored to attend  
One Week "ICT BASED FDP on POWER  
ELECTRONICS FOR RENEWABLE  
ENERGY" to be held from 13th - 17th Mar,  
2017 at GATE, Brahmapur, Odisha, India.  
Signature of Head of the Organization

**Registration: Free of Cost**

- Registration will be on first come first serve basis.
- No TA & DA will be provided to the participants

**IMPORTANT DATES:**

Last Date of registration: **10<sup>th</sup> Mar, 2017**  
Confirmation of participants: **11<sup>th</sup> Mar, 2017**

**Accommodation**

Limited accommodation is available at GGI Campus hostel for interested outstation participants.

**Contact Persons (For any related Query)**

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(Programme Coordinator)  
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13<sup>TH</sup> – 17<sup>TH</sup> Mar, 2017**

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**National Institute of Technical Teachers  
Training & Research, Chandigarh**



Programme Conducted  
At

**GANDHI ACADEMY OF TECHNOLOGY & ENGG.  
Berhampur, Odisha**

(Approved by AICTE, New Delhi & Affiliated to  
BPUT, Odisha)



## About Our Institution:

Gandhi Academy of Technology & Engineering is under the dynamic leadership of **Dr. Satya Prakash Panda**, chairman. It's a technical college with a vision is to be a world class knowledge enterprise with academic and professional excellence in technical education. Its mission is to produce engineers and researchers with technical expertise on par with international standards, professional attitudes and ethical values with the ability to apply acquired knowledge to have a productive career and empower spiritually to serve humanity. The institute is approved and accredited by AICTE, New Delhi, affiliated to BPUT, Odisha and recognized by Govt. of Odisha.

## How to Reach Us:

GATE Berhampur is just 10 minutes away from heart of silk city situated besides the NH-5.



## Scope & Objective:

This training programme will mainly deal with the various aspects of Power Electronics for Renewable Energy Systems. The course aims to achieve the following objectives:

- ☑ To update the knowledge in the emerging and upcoming topics in this area of Power Electronics for Renewable Energy Systems.
- ☑ To make the teachers aware of the various research techniques in the area of Power Electronics for Renewable Energy Systems.

## Eligibility:

The course is open to teachers of degree level technical/engineering colleges / institutions approved by AICTE.

## Resource Person

Eminent professors from NITTTR, Chandigarh and renowned professors from other different technical Universities.

## Course Content

- Power Electronics basics
- Power Electronics converters for Renewable Energy Systems.
- MATLAB/ SIMULINK based modeling of Solar Photovoltaic system
- Solar Photovoltaic and MPPT Techniques, dc-dc converter, Hardware implementation using MATLAB and dSpace
- Renewable Energy Systems hardware in loop simulations using Opal-RT
- Smart Grid and Hybrid Systems
- Harmonic elimination in MPPT based solar powered cascaded multilevel inverter interface with hardware interface.
- Hybrid wind, PV and fuel cell based stand-alone system.

## Chief Patrons:

**Dr. Satya Prakash Panda, Chairman**  
**Dr. Chandra Dhvaj Panda, Secretary**  
**Mr. Manoj Kumar Palo, Vice Chairman**

## Programme Chairman:

Prof. (Dr.) Rajendra Kumar Das, Principal

## Programme Coordinators:

Prof. Tushar Kant Satapathy (Dept. of EE)  
Prof. Gagan Kumar Sahoo (HOD of EE)

## Organising Committee:

- Prof. S. N. Panigrahi (HOD, ECE)
- Prof. P. K. Shukla (HOD, HSSM)
- Prof. S. R. Panda (HOD, CE)
- Prof. G. S. Mohapatro (HOD, ME)
- Prof. Subhankar Guha (HOD, CSE)
- Prof. Bipin Chandra Mohanty
- Prof. Pranati Rani Purohit
- Prof. J. Purohit
- Prof. Mohendra Kumar Pati
- Prof. Chitaranjan Sethi
- Prof. Archana Kumari Sahu
- Prof. D. Maharana
- Prof. Umesh Prasad Rath
- Prof. S. K. Muduli
- Prof. B. P. Mishra
- Sameer Kumar Das
- Santosh Kumar Tripathy
- Prof. Susanta Kumar Sahu
- Prof. Chandra Sekhar Sahu