

VEER SURENDRA SAI
UNIVERSITY OF TECHNOLOGY, ODISHA,
BURLA
QIP SPONSERED SHORT TERM COURSE
ON
Renewable Energy & Grid Integration
(REGI)

02-04-2018 TO 07-04-2018



Coordinators

Dr. Siba Prasada Panigrahi
Dr. Ramesh Chandra Prusty



Organized by

DEPARTMENT OF ELECTRICAL ENGINEERING
VEER SURENDRA SAI UNIVERSITY OF
TECHNOLOGY, BURLA

ELIGIBILITY

The course is open to all teachers of degree level technical/engineering colleges/institutions approved by AICTE. No course fee is charged for participants sponsored by AICTE approved institutions. However, a caution deposit of Rs.1000/- has to be sent by the provisionally selected participants, which will be returned when participant joins for the course. The payment is to be made by DD drawn on any Nationalized Bank and in favor of **Coordinator QIP STC on REGI, Payable at Burla**. Registration is free of cost.

FINANCIAL ASSISTANCE

Participants from the AICTE recognized institutions will be eligible for III AC to and fro railway fare* (via shortest route from the place of work). Only the candidates attending the full course will be eligible for TA and DA.

BOARDING & LODGING

Boarding and lodging facilities shall be provided by the University for the candidates from AICTE approved institutions.

IMPORTANT DATES

The last date for receipt of duly filled applications is **20th Feb, 2018**. Intimation of selection of candidature will be communicated through e-mail by **1st March, 2018**. Final selection notification will be given after receipt of DD and willingness to attend the course.

Interested candidates may send an advance copy of the completed application by fax/email to avoid procedural/postal delay.

SPONSORSHIP

For applicants from Industry/AICTE approved Institutions

Prof./Dr./Mr./Ms. _____ is an employee of our Institute/Industry and his/her application is hereby sponsored. The applicant will be permitted to attend the short-term course "**RENEWABLE ENERGY & GRID INTEGRATION (REGI)**" at VSSUT, Burla to be held from 02nd -07th April, 2018, if selected.

Date: _____ Signature of sponsoring authority

Official Seal: _____ Designation

The duly completed application should be mailed to:

Dr. Siba Prasada Panigrahi,
Dr. Ramesh Chandra Prusty
Department of Electrical Engg.
Veer Surendra Sai University of Technology Odisha,
Burla, Sambalpur-768018, India.
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ramesh.prusty82@gmail.com

INTRODUCTION

Electrical Energy is a part of human life at present. Main source of electrical energy, fossil fuel will disappear down the years. Hence, one can fore see the necessity of renewable energy as an alternative. Various sources of renewable energy like solar, wind, fuel cell, biomass, biofuel, etc now a days plays a vital role in supplementing fossile fuel as well as providing a cheaper energy to the remote places. The present programme aims at discussion on various means of generation of renewable energy.

Power supply network in India is based on a national grid. Reliability, continuity of supply etc from the grid is present need of human being. Feeding the grid from the sources is another aspect to be considered. The topic is otherwise termed as integration to the grid.

The main problem lying with renewable energy sources is its integration to the grid for better and wide utility of renewable energy, The programme aims also an elaborate discussion on integration to the grid. This short term course will showcase a wide variety of applications projects, including future scope of the area under discussion.

COURSE CONTENT

- Issues related to large renewable energy plants
- Renewable energy modeling for management of electrical transmission systems
- Renewable integration and demand management
- Interaction of renewable energy sources to power supply networks
- Hybrid autonomous renewable energy sources
- PV/Wind system with hydrogen storage
- Isolated renewable energy sources
- Application of advanced control strategies in renewable energy sources
- Protection of microgrids

SPEAKERS

The course lectures shall be delivered by the faculty members of VSSUT, Burla and eminent speakers invited from NITs, IITs and other premier institutions of India.

COURSE MATERIALS

Each registered participant will be provided with a set of comprehensive lecture notes.

ABOUT US

Veer Surendra Sai University of Technology (VSSUT) Odisha was formed by Odisha Act 9 of 2009 by upgrading University College of Engineering (UCE), Burla to a non-affiliating Unitary State University which came into force from 1st day of July 2009. The University has eleven departments covering all the major engineering, science and humanities disciplines, offering B.Tech., B.Arch., M.Tech., M.Sc. and Ph.D. programs. VSSUT is located at the foothill of Hirakud Dam – World's longest dam. Burla is known as Intellectual capital of Odisha with VSSUT, Sambalpur University, VSS Institute of Medical Science and Research, Chipilima Agriculture College and Indian Institute of Management – all within a radius of 15 KMs. VSSUT is surrounded by metal and power industries and is referred as Odisha's "Growth Corridor". VSSUT campus is about 10 kms from Sambalpur railway station.

Department of Electrical Engineering is the first department of its kind in the state of Odisha and was established in 1956 with a vision to develop new ideas in the field of Electrical Engineering .Since more than six decades, this department has produced high standard and self-motivated professionals to serve humanity both nationally and internationally at par excellence .

**Veer Surendra Sai University of Technology Odisha,
Burla**

QIP Short Term Course on

RENEWABLE ENERGY & GRID INTEGRATION

(REGI)

02nd -07th April, 2018

Application Form

- 1. Name (Block letter):**
- 2. Designation & Pay-scale:**
- 3. Organization:**
- 4. Date of Birth:**
- 5. Address for communication:**

Pin Code:

Phone:

Fax:

E-mail:

- 6. Academic Qualification (Please tick)** (a) B.Tech.
(b) M.Tech. (c) Ph.D.
- 7. Specialization:**
- 8. Experience (in years)**
(a) Teaching (b) Industrial (c) Research
- 9. Amount of TA requirement as per entitlement mentioned in the brochure (only for AICTE approved colleges)**

Rs.:

Please register me for the course entitled "RENEWABLE ENERGY & GRID INTEGRATION (REGI)" to be held at VSSUT, Burla during 02 -07th April, 2018.

Place:

Date:

Signature of the applicant