SPONSORSHIP

Prof./Dr./Mr./Mrs./Miss_____
is an employee of our institute and his/her application is hereby sponsored. The applicant will be permitted to attend the Short Term Course on ***" Advance Power Electronic Converters for Renewable Energy & Smart Grid "*** at Integral University, Lucknow during **Feb 15th to Feb 19th, 2016**, if selected.

Date:

Signature of Head of Institution/Sponsoring Authority (Competent Authority)

Designation:

Official Seal:

Note: 1. Interested candidates must email in advance the scanned copy of their registration form along with scanned copy of demand draft (non-refundable).
2. Selection will be made purely on First-Come-First-Serve basis (Selection is valid to the subject to fulfilling the eligibility criteria & realization of Registration Fee).
3. Maximum thirty (30) participants will be accommodated in the STC.

The duly sponsored registration form along with original DD (non-refundable) should be mailed to:

Mr. Mohammed Asim
Coordinator, Short Term Course.
Department of Electrical Engineering
Integral University, Lucknow
Lucknow - 226026, Lucknow, India.

Email: masim@iul.ac.in
Phone: 09519090766

PATRON

Prof. S. W. Akhtar
Vice Chancellor, Integral University, Lucknow

CHAIRMAN

Prof. M. A. Mallick
HOD, Department of Electrical Engineering, IU, Lko

COORDINATOR

Er. Mohammed Asim
Department of Electrical Engineering, Integral University,Lko

Co-Coordinator

Er. Mohammed Naseem
Department of Electrical Engineering, Integral University,Lko

ADVISORY COMMITTEE

1. Prof. T.Usmani, PVC, IU, Lko
2. Prof. A.A.Zilli, Dean, IU, Lko
3. Prof. S.M.Iqbal, Chief Academic Consultant, IU, Lko
4. Dr.Syed Nadeem Akhtar,Director Planning&Research, IU,Lko
5. Dr.Syed Aqeel Ahmad, Director ASC,IU, Lko
6. Prof. S.Mukherjee, Prof. of Eminence, IU, Lko

ORGANISING COMMITTEE

1. Dr. A.J.Ansari
2. Mr.Ahmad Faiz Minai
3. Mr. Mirza Mohd Shadab
4. Mr. Ashraf Raza
5. Mr Khursheed Siddiqui

ELIGIBILITY:

The STC is open to Faculty members, PhD and M. Tech students from **Electrical / Electronic Engineering/ Electronics & Communication Engineering and related disciplines** from Universities / Institutes / Engineering Colleges approved by AICTE / UGC.

IMPORTANT DATES

Email, with the scanned copy of registration form along with the scanned copy of DD may be sent latest by **5th Feb, 2016**.

Intimation about selection will be sent by email only latest by **7th Feb, 2016**.

Duly filled registration form along with sponsorship certificate & original DD drawn in favor of "Treasurer, Integral University, Lucknow" payable at Lucknow should reach on or before **5th Feb, 2016**.

Registration Fee (Non-refundable):

Rs. 2000/- (For Persons from Industry)

Rs. 1000/- (For Faculty Members, Research Scholars & Students)

Five Day Short Term Course (STC)

on

" Advance Power Electronic Converters for Renewable Energy & Smart Grid "

15th Feb to 19th Feb 2016

Coordinator

Er. Mohammed Asim

Email: masim@iul.ac.in
Cell Phone No. : +919519090766

Co-Coordinator
Er. Mohammed Naseem

Email: mnansar@iul.ac.in
Cell Phone No. : +919005623070

Department of Electrical Engineering
in Association with
Academic Staff College
Integral University, Lucknow
Lucknow- 226026 (India)
Website: www.iul.ac.in

ABOUT THE UNIVERSITY

Integral University, a seat of educational excellence, is a premier university in Lucknow, the Capital of Uttar Pradesh, India. The university had been established under the Act number 9 of 2004 by the U. P. State Government. It is rather historic that, within a span of six years the Institute of Integral Technology on account of its educational excellence, credibility and value based education in a highly disciplined and decorous environment was recognized as a noted seat of learning all across the country and thus was granted a University status in 2004.

It is approved by the University Grants Commission under Sections 2(f) and 12B of the UGC Act, 1956, Medical Council of India, Pharmacy Council of India, Council of Architecture, National Council for Teacher Education and U.P. State Medical Faculty. Courses accredited by the National Board of Accreditation.

OBJECTIVES:

Rapid deployment of renewable energy and energy efficiency is resulting in significant energy security, climate change mitigation, and economic benefits. In international public opinion surveys there is strong support for promoting renewable sources such as solar power and wind power.
This course aims to provide exposure on Renewable Energy and its Integration with the grid which focuses on incorporating renewable energy, distributed generation, energy storage, and demand response into the electric distribution and transmission system. A systems approach is being used to conduct integration, development and demonstrations to address technical, economic, regulatory, and institutional barriers for using renewable and distributed systems. The course coverage ranging from specialized theoretical research topics and design methods, to interesting reviews of technological products, patents and software. It will generate deep interest and a good augury for future research in the field of renewable energy and its integration with the grid. One of the objectives of the course is to motivate the faculty /Industry Personnel /Researchers/ Students to do further study/work in this field. This course is also intended to enhance the students' potential for employability by giving them exposure to a field in which there is a shortage of skilled manpower.

SPEAKERS

1. **Prof. Imtiyaz Ashraf, AMU Aligarh**
2. **Prof. Atif Iqbal, AMU Aligarh**
3. **Mr. Mohd Tariq, NTU Singapore**
4. **Dr. Md. Nishat Anwar, NIT Patna**
5. **Dr. Vimlesh Verma, NIT Patna**
6. **Mr. Khalid, SDO, UPPCL**
7. **Prof. T. Usmani, Integral University, Lko**
8. **Prof. M.A.Mallick, Integral University, Lko**

CONTENTS OF STC:

- Modelling of Renewable Energy Systems
- Space Vector PWM for power converter
- Sustainable development and renewable energy
- Concept of Grid
- Introduction to Solar PV systems
- Design of Solar System
- Speed and parameter estimation of doubly fed induction machine for wind power application
- Power electronics application Under the Oceans, on the surface and in the air
- Power electronics Application in Smart Grid

HOW TO APPLY:

1. Registration form should accompany a single demand draft of Rs2000/- or Rs.1000/- (non-refundable) as applicable, which should be drawn in favour of "Treasurer, Integral University, Lucknow" payable at Lucknow.
2. Scanned copy of duly filled up registration form, sponsorship certificate and the demand draft must be e-mailed to the coordinator (masim@iul.ac.in). Hard copy of the same must also be sent by post/ courier.
3. Selection will be made purely on First-Come-First- Serve basis (Subject to fulfilling the eligibility criteria).
4. Maximum thirty (30) participants will be accommodated in the STC.
5. The brochure and the registration form may be downloaded from the Institute website www.iul.ac.in

GENERAL INFORMATION:

6. No TA, DA will be provided to the participants.
7. No Boarding & Lodging will be provided by Institute.
8. Participants will be provided high tea, lunch etc. during the day session from Feb 15 – Feb 19, 2016.
9. Participants will be provided registration kit & course material covering the entire STC.
10. Intimation of selection will be sent only through email. However, hard copy of the call letter may be collected from the reception desk on Feb 15, 2016.
11. List of finally selected participants will be available on institute website.

Five Day
Short Term Course (STC)
on
" Advance Power Electronic Converters for Renewable Energy & Smart Grid "
Feb 15th to Feb 19th 2016

Registration Form

1. **Name (Block Letters):**
2. **Designation:**
3. **Organization:**
4. **Address for Communication:**
5. **Email (Mandatory):**
6. **Mobile Number (Mandatory):**
6. **Qualification:**
7. **Specialization:**
8. **Subjects Taught (UG & PG levels):**
9. **Teaching Experience:**
10. **Research Experience:**

Please register me for the course " **Advance Power Electronic Converters for Renewable Energy & Smart Grid "** to be held at Integral University, Lucknow
Date:
Place:

Signature of Applicant