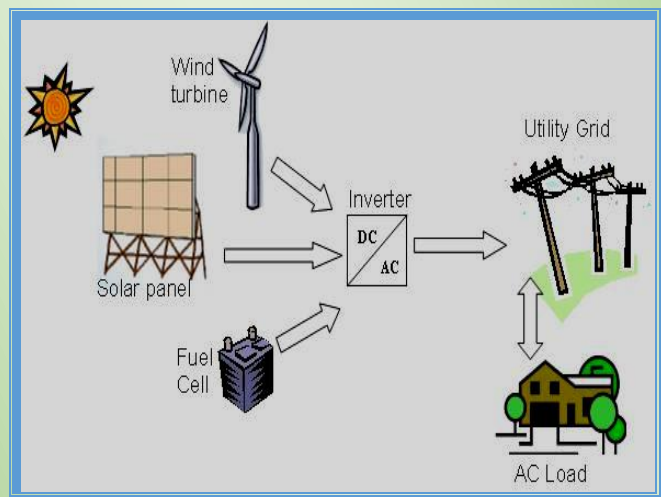


One Week
Faculty Development Programme (FDP)
On
“Recent Advances in Distributed
Generation Systems and Management
(RADGSM-18)”
(April 2-6, 2018)

Under TEQIP-III



Organized by



Department of Electrical Engineering
KAMLA NEHRU INSTITUTE OF TECHNOLOGY
(An Academic Autonomous Govt. Institution)
SULTANPUR-228 118, Uttar Pradesh, India

THE INSTITUTE

The institute has been established in the year 1976, **Kamla Nehru Institute of Technology, Sultanpur** is one of the leading technical institutions of the region and is responsible for producing high quality engineers with skill sets comparable with the best in the world. It also renders the testing and consultancy services to the neighbouring industries and various other agencies. This is presently an autonomous government engineering institute (under 2F and 12B of UGC Act) and affiliated to Dr. A. P. J. Abdul Kalam Technical University, Lucknow, India.

The institute offers B. Tech. and M. Tech. courses in Civil, Electrical, Mechanical, Electronics & Communication, Computer Science & Engineering and Information Technology disciplines in addition to M.C.A. course as well.

ELECTRICAL ENGINEERING DEPARTMENT

The Electrical Engineering Department is one of the flagship oldest departments of the Institute. The department has a glorified legacy as well qualified faculty and technical supporting staff. All the laboratories of the department are well equipped with modern equipments. The department has state of art laboratories in Renewable Energy and Electrical Machine Drive Lab. The department offers U.G. (EE), P.G. (Full Time) in Power Electronics and Drives as well as P.G. (Part Time) in Power System program.

VENUE

Department of Electrical Engineering,
Kamla Nehru Institute of Technology,
Sultanpur-228118
Uttar Pradesh, India

CHIEF PATRON

Prof. Vinay Kumar Pathak
Hon'ble Vice Chancellor, Dr. A. P. J. Abdul Kalam
Technical University, Lucknow

PATRON

Prof. J.P. Pandey
Director

CHAIRMAN

Dr. A. S. Pandey
Professor & Head

COORDINATOR

Dr. Y. K. Chauhan
Associate Professor

ORGANIZING SECRETARY

Prof. Varun Kumar **Prof. A.K. Srivastava**

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Prof. B. Singh	Prof. S. M. Tripathi
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Prof. Abhinav Gautam	

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Sultanpur-228 118 (U.P.), India
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PROGRAMME THEME

Continuously expanding deployments of distributed power-generation systems (DPGSs) are transforming the conventional centralized power grid into a mixed distributed electrical network. The modern power grid requires flexible energy utilization but presents challenges in the case of a high penetration degree of renewable energy, among which wind and solar photovoltaics are typical sources. The integration level of the DPGS into the grid plays a critical role in developing sustainable and resilient power systems, especially with highly intermittent renewable energy resources. To address the challenging issues and, more importantly, to leverage the energy generation, stringent demands from both utility operators and consumers have been imposed on the DPGS. Furthermore, as the core of energy conversion, numerous power electronic converters employing advanced control techniques have been developed for the DPGS to consolidate the integration.

The aim of this faculty development programme is to provide a platform to faculty members, participating engineers, researcher and students to build-up and strengthen the concept on “**Recent Advances in Distributed Generation Systems and Management**”. This course emphasis on several issues related to distributed generation systems.

PROGRAMME HIGHLIGHTS

- ❖ Status of centralized and distributed power generations
- ❖ Potential of Renewable Energy Resources in country
- ❖ Solar Photovoltaic (SPV) Systems and Technology
- ❖ Wind Energy Conversion Systems and Technology
- ❖ Fuel cell, Battery Ultra-Capacitor, and other energy sources.
- ❖ MPPT Controllers and algorithms for solar photovoltaic and wind systems

- ❖ Power Electronics Converters Interface for solar photovoltaics, wind systems, etc.
- ❖ Converters and multi –level Converters: Design, Modeling, simulation and hardware Performance etc.
- ❖ Hybrid Generating Systems: Components, Power Management and Control
- ❖ Concept of Smart and Micro Grids
- ❖ Operational issues of Distributed Generating Systems

REGISTRATION

Registration form in the prescribed format approved/sponsored by competent authority should reach to the Course Coordinator on or before March 30, 2018. Institutions having no **TEQIP-III** project should send the completed registration form, accompanied by the demand draft of **Rs. 2000/-** in favour of “**EVENT COORDINATOR (RADGSM)**” payable at **Sultanpur, U.P.** Advance registration is mandatory. For industry professionals, the registration fee is **Rs. 2500/-** per person in the form of demand draft favouring “**EVENT COORDINATOR (RADGSM)**” payable at **Sultanpur, U.P.** List of selected participants will be displayed on Institute website. www.knit.ac.in

- ❖ **The total number of seats are 40, out of which at least half of the seats are reserved for other institute participants and industry persons.**
- ❖ **There is no registration fee for participants from AICTE approved institutions having TEQIP-III project.**
- ❖ **Limited accommodation is available to the participants on first come first serve policy.**
- ❖ **No TA/DA will be paid for attending the FDP.**
- ❖ **Program kit is to be provided to all registered participants only.**
- ❖ **Working tea/lunch/dinner will be provided to all participants during program.**

Registration Form

One Week Faculty Development Programme (FDP) Recent Advances in Distributed Generation Systems and Management (RADGSM-18)

Under TEQIP-III
(April 2-6, 2018)

K. N. I. T., SULTANPUR – 228 118 (U.P.), INDIA

Name _____

Designation _____

Name & Address of Institute/Organization

Address for Communication

E-Mail _____

Phone / Mobile No.

Forwarding from
HOD/Dean/Director _____

Accommodation Required

Yes

No

(Fooding & Lodging will be provided in the Institute)

Place _____

Date _____

Signature of Candidate