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Hon'ble Vice Chancellor

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Dr. Bhawana Joshi, HoD Physics, SoVAS

FDP CONVENERS

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Dr. Manmohan Shishodia, Deptt of Physics, SoVAS

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Mr. M. Z. Haider	Mr. Abdul Azeem
Ms. Ferha Siddique	Mr. Vinay Kumar
Mr. Ashwini Kumar	Mr. Devi Singh

OBJECTIVES OF THE FDP

The aim of this Faculty Development Programme (FDP) is to provide exposure to faculty members, practicing engineers, and students to the concepts of Future Technologies of Renewable Energy & Smart Micro-grids (FTRESM). This course begins with an overview of renewable energy sources, their futuristic technologies and smart micro-grids schemes.

The geographical map of India provides us tremendous potential to tap the wind energy available along the long coast line and solar energy is almost uniformly available in most of the parts of the northern India. The initiatives taken by the Ministry of New and Renewable Energy (MNRE) to achieve the target of solar energy might be 100 GW and wind energy is 60 GW out of 175 GW from renewable energy by 2022, which provides a huge opportunity to all the stakeholders working in this area.

ABOUT THE UNIVERSITY

Gautam Buddha University (GBU), established by Uttar Pradesh government in 511 acres lush green campus at Greater Noida encourages multidimensional growth through its education, training and research. The University envisions becoming a world class centre for excellence in education and research. The academic programmes, designed in line with the best universities around the world, combine the best practices of pedagogy and class room teaching, complemented by practical training and experiential learning. In order to promote value-based education, research and training, the University has established eight schools. School of Engineering offers graduate, post graduate and doctoral level studies of the branches of Engineering including interdisciplinary domains.

School of Vocational Studies and Applied Sciences started various programmes in 2012 such as M.Sc. Applied chemistry, Applied Mathematics, Applied Physics, Environmental Science and Food Science, B.Tech and M.Tech in 5 year integrated programme in Food Processing and Technology.

Gautam Buddha University Greater Noida



One Week Faculty Development Programme

on

Future Technologies of Renewable Energy & Smart Micro-grids

(FDP-FTRESM'19)

13th -17th March, 2019

In association with IEEE GBU Section



Organized by

**School of Engineering
School of Voc. Studies & Applied Sciences
Gautam Buddha University, Greater Noida,
Uttar Pradesh – 201312 (India)
www.gbu.ac.in**

PROGRAMME HIGHLIGHTS

- Overview of renewable energy sources
- Solar photovoltaic technology
- Wind energy systems
- Other renewable technologies
- Solar cells, solar modules, design and installation of solar photovoltaic systems, Wind power plants etc.
- Design and development of MPPT controllers for solar photovoltaic and wind systems
- Energy storage systems, MPPT algorithms etc.
- Converter topologies for solar photovoltaic and wind systems
- Micro-grid components, energy storage modeling
- Modeling hybrid renewable energy system and Power management strategies in micro-grids
- Demo on practical setup of hybrid renewable energy sources
- Demo on ETAP, Typhoon HIL Real Simulator, MATLAB software, etc.

RESOURCE PERSONS

Eminent academicians and researchers from premier institutions like IIT, NIT, Renowned Institutes, R&D organizations, Industries and GBU faculties.

TARGET AUDIENCE

The FDP “Future Technologies of Renewable Energy & Smart Micro-grids” is planned to impart one week for the academician, scientist, research scholars, students of Engineering Institution / University / R&D laboratories who are working in the field engineering and sciences.

REGISTRATION FEE DETAILS

Category of Participants	Participants
Industry	3500
Faculty, Staff, Research Scholar	3000
GBU Faculty, Staff, Research Scholar	2500
Students	1000

*Accommodation available on the payment basis

Registration will be done on first come first served basis. As the number of seats is limited to 40, early registration is recommended. The registration fee should be paid in the form of Demand Draft drawn in favour of “**Gautam Buddha University**” payable at **Delhi** or Cash directly pay to **Account Office, GBU** or **Online transaction slip** to be sent along with the registration form.

Online transaction (NEFT) Details:

Person Name: G.B.U.

Bank: Punjab National Bank, GBU, Greater Noida

Account No.: 6660000100000025

IFSC Code: PUNB0666000

.Note: Please write your name and contact details at the back side of Demand Draft/Payment Slip/Online Transaction Slip.

LOCATION

University is situated on Yamuna Expressway, Greater Noida in the National Capital Region of New Delhi, India and is very well connected through World Class Roads from New Delhi Airport, Railway Stations and Inter State Bus Terminals by less than an hour's drive.

IMPORTANT DATES

Last date of Registration with Fees : 28/02/2019
Intimation of Confirmation : 02/03/2019

ADDRESS FOR COMMUNICATION

Dr. Omveer Singh & Dr. Manmohan Shishodia
Department of Electrical Engineering
School of Engineering
Gautam Buddha University, Yamuna Expressway,
Greater Noida, Gautam Budh Nagar (UP),
India 201312

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manmohan@gbu.ac.in

REGISTRATION FORM

One Week Faculty Development Programme on Future Technologies of Renewable Energy & Smart Micro-grids

13th – 17th March, 2019

Full Name: _____

Designation: _____

Organization: _____

Official Address: _____

Educational Qualification and Specialization: _____

Address for Correspondence: _____

Pin Code: _____ Phone/Mobile Number: _____

Email: _____

DETAILS OF REGISTRATION FEE:

Name of Bank and Branch: _____

Cash receipt/Online Transaction/DD No.: _____

Dated: _____ For Rs. _____

Accommodation Required: Yes/No _____

Date:

Signature of Participant

Please post your completely filled registration form to Convener (FTRESM-19), Department of Electrical Engineering, School of Engineering, Gautam Buddha University, Yamuna Expressway, Greater Noida, Gautam Budh Nagar, Uttar Pradesh (India) – 201312 or email to omveer.singh@gbu.ac.in