



One Week Faculty Development Program

On

Recent Advances in Renewable Energy Technologies (ONLINE MODE)

27th – 31st January 2025



Organized by:

**Association of Indian Universities -
Gautam Buddha University Academic &
Administrative Development Centre
(AIU-GBU AADC)**

at SoE, GBU, Yamuna Expressway,
Greater Noida, Gautam Budh Nagar,
Uttar Pradesh

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- Prof. Rajiv Kumar Goel, DU, New Delhi

IT SUPPORT

Dr. Sandeep Rana, System Manager, CCC, GBU
Mr. Rajkumar, Technical Superintendent, CCC, GBU

TOPICS TO BE COVERED

- Overview of Advances in Renewable Energies.
- Solar PV Forecasting using AI/ML
- Advances in thermal energy system integrated solar dryer for sustainable development
- The next generation of Energy Storage
- Wing Energy Conversion System- Current Trends & Challenges
- Mitigation of environmental Impact on Photovoltaic Performance
- Solar Thermal Systems

About the University

Gautam Buddha University, established with government funding on a sprawling 511-acre lush green campus in Greater Noida, is committed to fostering multidimensional growth through education, training, and research. Establishing incubation cells and strategic collaborations through various Memoranda of Understanding (MOUs) with industry leaders and research organizations further enhances the entrepreneurial environment. The academic programs at Gautam Buddha University are designed in line with the best universities worldwide, blending top-tier pedagogy, classroom teaching, and hands-on experiential learning. The focus on value-based education is further reinforced by establishing eight specialized schools. These include the School of Vocational Studies, School of Biotechnology, School of Engineering, School of Information and Communication Technology, School of Management, School of Law, School of Buddhist Studies and School of Humanities & Social Studies offering undergraduate, postgraduate, and doctoral-level studies in various scientific disciplines, including interdisciplinary domains. This holistic approach ensures that students and faculty have the resources to excel and contribute to developing knowledge, technology, and innovation.

Visit us @ <http://www.gbu.ac.in>

About the School

The University School of Engineering is housed in a state-of-the-art building with advanced teaching and research facilities. The school boasts well-equipped research laboratories and a team of highly skilled faculty members who are committed to academic excellence and innovation. USoE aims to produce, graduates, post graduate professionals in the area of Civil, Electrical & Mechanical Engineering.

SoE is committed to prepare technology leaders for tomorrow with innovative curriculum and meticulous pedagogy for training. In accordance with the vision of the University, School of Engineering has been conceptualized and established with an objective to work out and develop a dependable model for growth, consistency and significant breakthrough in cutting edge technology and innovation. The rapid diffusion of core engineering fields like Civil, Electrical and Mechanical Engineering has the potential of bringing improvement in productivity and efficiency in almost every aspects of our life and consequently turning out to be a key driver of our economic growth.

About the FDP

The one-week Faculty Development Program (FDP) on Recent Advances in Renewable Energy Technologies is designed to equip faculty & research scholars in higher education with the latest insights skills essential for addressing today's technological and educational challenges. The program aligns with the mission of enhancing continuous professional development among stakeholders in higher education. The FDP will explore recent advances in Renewable energy technologies such as Solar, Wind and Hydro focusing on their application in research and real time environment. Participants will gain knowledge on emerging technologies and interdisciplinary research positioning them at the forefront of global educational trends.

Speakers

Reputed Academicians from IIT, NIT, DTU & Industry professionals

Participants

All Faculty and Research Scholars

Session Timings

Session 1: 10:30 am - 12:30 pm

Session 2: 03:00 pm – 05:00 pm

Last date of Registration: 20th Jan, 2025

e-certificates will be provided to all the participants

Registration Link :

<https://forms.gle/rMAT2PcMe7bo2K4T6>

Registration Fee:

Registration Fees for GBU participants: Rs 250/-

Registration Fees for other participants: Rs 500/-

The account details for online payment are -

Name of Beneficiary: Gautam Buddha University

Account No. : 6660000100000025

IFSC Code : PUNB0666000

Branch: Punjab National Bank, GBU, Greater Noida

Contact

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