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A one-week
Faculty Development Program
on

Recent Advancements in Power Electronics and Drives for the Integration of Future Energy Sources

19th -24th December, 2022

Organized by
Department of
Electrical & Electronics Engineering

Lendi Institute of Engineering & Technology

An Autonomous Institution
Accredited by NBA & NAAC with 'A' Grade
Approved by AICTE and permanently affiliated to
JNTUK, Kakinada, Vizianagaram, A.P. – 535005
Ph: 08922-241111 www.lendi.org

ABOUT THE INSTITUTION

Lendi Institute of Engineering & Technology, Vizianagaram popularly known as LIET, was established in 2008 by Sai Dhamam Educational Trust, Visakhapatnam, with primary objective of providing quality technical education to meet the scientific and technological needs of the society. LIET is recognized by the AICTE, New Delhi. At present LIET is an autonomous institute under Jawaharlal Nehru Technological University, Kakinada. It is accredited by the NAAC with "A" grade and accredited by NBA. It is one of the premier Institute in the state of Andhra Pradesh. It has attracted academicians of proven competence onto its faculty, augmented the infrastructural facilities, modernized laboratories, placed its products in reputed organizations all over the world and gained recognition amongst industry and academic circles. At present, it is offering UG in EEE, ECE, CSE, ME, CSSE and CSIT of engineering, PG in four engineering specializations.

ABOUT EEE DEPARTMENT

Department of Electrical and Electronics Engineering established in 2008 with an intake of 60. The department has grown significantly and currently offer Electrical and Electronics Engineering in UG programme with an intake of 120 and Power System and Control Automation in PG programme with an intake of 18. To meet the requirement of these courses the department hasset up modern laboratories with all latest software. The department is accredited by NBA. The department has team of experienced, highly qualified with good research faculty members. Also, the Department has good no. of patents and SCI journals. The Department is envisaged by participating actively with Govt. funded projects and IIT sponsored workshops etc. The department is well committed to explore students and provide a quality of students out to the country.

OBJECTIVE OF THE FDP

This FDP is designed to address Recent Advancements in Power Electronics and Drives for the Integration of Future Energy Sources to encourage various zonal professionals/ students/ academicians towards research and their Academic Quality Improvement. The FDP is meant to discuss the state-of-the-art developments, challenges and unsolved open problems in the field of advanced electrical systems. This will enhance the researchers/ teachers/ industry persons to strengthen their academic and research activity. Also, this FDP aims to give scope for future research.

For Registration click on the below link

https://forms.gle/pB7FZyFkQdYNrsm36

***No Registration Fee**

Last date for Registration: 15-12-2022

*Confirmation mail and session links will be circulated to the participants on **17-12-2022.***

ELIGIBILITY

Faculty members and research scholars belonging to AICTE approved technical institutionsand also industry personnel.

CERTIFICATE

E- Certificate will be issued to all the participants who have attended the program with minimum 80% attendance.

RESOURCEPERSONS

- **Dr. Ranjan Kumar Behera,** IIT Patna
- **Dr. D.V. Siva Krishna Rao K,** NIT, Tiruchirapalli
- **Dr. M. Raju,** MANIT Bhopal
- **Dr. Vimlesh Verma,** NIT Patna
- **Dr. Venu Sonti,** NIT Raipur
- **Dr. Tejavathu Ramesh,** NIT Andhra Pradesh
- **Dr. Hareesh Myneni,** NIT Srinagar
- **Dr. D. Rene Dev,** JVS Electronics
- **Dr. Naresh Pilli,** Bosch Engg.& Business Solutions

TOPICS

- Role of Forecasting in grid integration of renewable energy sources
- Vector Controlled Induction Motor Drive for Wind Power Application
- Multilevel inverter fed PMSM Drive for electric vehicle application
- SiC based power Electronics for Electric vehicles
- Frequency Regulation in Micro grid or Interconnected power systems
- Design, simulation of power electronics converter for power quality improvement
- Protective relaying challenges and qualities of protection system for futuristic power generation

OUTCOMES

- Impart knowledge on the future energy sources
- Discuss the challenges in power converter design with the integration of future Energy.
- Apply the emerging technologies in the power electronics and drives.
- Design of the power converters for integration of future energy sources.