FACULTY DEVELOPMENT PROGRAM (FDP)
ON
Emerging Trends in Renewable Integrated Power Grids

21st to 25th October 2025

Organized by

Department of Electrical and Electronics Engineering

VNR Vignana Jyothi Institute of Engineering and Technology

in association with

CENTRE FOR TRAINING AND LEARNING, NIT Warangal

(Established under the PMMMNMTT Scheme, Ministry of Education, Govt. of India)

Preamble:

The Centre for Training and Learning (CTL) has been established at NIT Warangal with grants from the Ministry of Education, through its scheme *"Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNMTT)".* Under this Scheme, a separate building has been built exclusively for the CTL activities, with the state-of-art training facilities that include a studio for production and uploading of video and e-lectures on various subjects of higher education, training halls to train the faculty in various theme areas of Science and Technology, humanities and social sciences, linguistics and communication skills, pedagogy and cognition evaluation, etc. among others. One of the important objectives of the Centre is to conduct training programmes for the aspiring, newly inducted and in-service faculty in science, engineering, social sciences disciplines in higher education. Other activities of the CTL include preparation of print and e-learning materials, offering on-line courses, curriculum design, carrying out research in educational technology and pedagogy and integrating with ICT into teaching-learning process. The CTL has special programmes of training for the marginalized and women-faculty.

About FDP:

This Faculty Development Program will provide a comprehensive overview of the emerging trends shaping the future of renewable integrated power grids. We will delve into the critical role of smart grid technologies and advanced energy storage systems in enhancing grid stability and managing the intermittent nature of renewable sources. The program will also explore the transformative impact of artificial intelligence and machine learning on grid optimization, forecasting, and control. This course is designed to equip participants with the essential knowledge and skills to address the challenges and opportunities in our transition towards a sustainable and intelligent energy future.

Major Course Contents:

- Smart Grid Technologies
- Energy Storage Systems
- AI and Machine Learning Applications
- Grid Integration of Electric Vehicles
- Decentralized Energy and Microgrids
- Cybersecurity in Modern Grids

Faculty conducting this programme:

The programme will be conducted by the faculty members from NIT Warangal and Academicians in the concerned field from IITs/NITs/IIITs have been invited to deliver lectures in the programme.

Registration Fee Particulars:

Faculty	**Rs.1180/-**
Students / Research Scholars	**Rs. 590/-**
Industry Participants	**Rs.2360/-**

Registration fees includes GST. Participants need to pay the registration fees online using thefollowing details

Online Transfer Details

Account Name: **HEAD, CTL NITW**
Account No: **40376545007**
IFSC: **SBIN0020149**
Bank and Branch: **SBI, NIT(REC) Warangal**

How to apply:

Participants are required to fill the online registration form by clicking on the following link:

https://forms.gle/crbqMTn3hPFUdAtD6

Selection Criteria:

Selection will be done based on first-come-first-serve to a minimum number of 50 (fifty) Faculty/industry participants. Additionally, students/PhD scholars are allowed to participate. The list of selected participants will be intimated through e-mail. In case the candidate is not selected, the registration amount will be refunded. Candidates will be issued certificates on successful completion of the course.

Important dates:

Last date (Application)	**15th Octoberber 2025**
Selection List by E- mail	**16th October 2025**

About NIT Warangal:

National Institute of Technology Warangal, formerly known as Regional Engineering College was established in 1959. Over the years it has developed into a premier institute of higher learning and is ranked among the top technical education institutions in India. There are 14 Departments offering eight undergraduate and 31 post-graduate programs besides doctoral programmes. About 5000 students across the country and about 500 international students study on the campus. It is a fully residential campus sprawling over 250 acres with excellent infrastructure in the form of state-of-the-art library, seminar halls, guest houses and research laboratories.

About VNRVJIET, Hyderabad:

VNR Vignana Jyothi Institute of Engineering & Technology (VNRVJIET), sponsored by "VIGNANA JYOTHI", an educational society, started by a group of Industrialists, Technocrats and Professionals, has started functioning from the year 1995. The Institute is approved by AICTE and affiliated to JNTUH. The Institute offers 12 B.Tech. and 13 M.Tech. and Ph.D (AICTE-NDF scheme) Programmes with 6500 students on rolls. It has UGC autonomous status and has been accredited by NAAC with A++ grade, all B.Tech programs are accredited by NBA. It is recognized as Centre for Potential Excellence by UGC.

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1. Name :
2. Designation :
3. Institution :
4. Email :
5. Mobile No :
6. Payment Details
   Reference No:
   Amount:
   Bank :
   Date:
7. Address for Correspondence:
8. Educational Qualification:
9. Subjects taught so far:
10. No. of refresher courses/workshops attended:
11. Experience (in years):
12. Teaching: Research: Industry:

Declaration

The information provided is true to the best of my knowledge. If selected, I agree to abide by the rules and regulations of the FDP and shall attend the course for the entire duration. I also undertake the responsibility to inform the coordinator in case, I am unable to attend the course.

Date:
Place: **Signature of the Applicant**

SPONSORSHIP CERTIFICATE

Dr. /Mr. /Ms..... is an employee of our Institute/Organization and is hereby sponsored to participate in the FDP on **"< Title of the FDP >"**, sponsored by the Centre for Training and Learning (CTL) during**<Dates of the FDP>** at <Name of the Institute>.

Signature of Head of Institution (with seal)

Address for correspondence
Post your application form to
Course Coordinator
Google form link

It is requested to all the delegates, after completion of application form, all the payment details, screenshot of the payment and scanned application form must be uploaded in the following online registration link.

Registration Link:
https://forms.gle/crbqMTn3hPFUdAtD6

For more details about CTL of NIT Warangal, please visit:
https://nitw.ac.in

For more enquiries please contact:

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Coordinators

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