FACULTY DEVELOPMENT PROGRAM (FDP)
ON
Advances in Functional Materials for Sustainable Technologies

(9th - 13th March, 2026)

Organized by

CENTRE FOR TRAINING AND LEARNING, NIT Warangal

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

in association with

Department of Chemistry

National Institute of Technology Warangal

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:

Solar energy provides a renewable, long-term solution for the world's future energy consumption need as the Sun radiates enough energy to the Earth every day, which is sufficient to cover human activities for many years. A key challenge to harness solar energy is to build artificial devices capable of efficiently harvesting sunlight for direct electricity generation (photovoltaic approach) or solar fuel production (photocatalytic approach) and storing energy in various forms for later use. Due to the advancement in synthesis of materials/coordination complexes and their characterization techniques, a better understanding of chemistry behind sustainable energy conversion and storage led to an improved performance. This program focuses on the latest developments in functional materials discovery, device prototyping, along with computational modeling methods to accelerate the design and optimization of energy conversion and storage technologies.

Major Course Contents:

- Introduction to recent trends in synthesis of functional materials and metal complexes
- Understanding the photophysical properties
- Device fabrication and optimization
- Strategies for green hydrogen production
- Future sustainable technologies

Faculty conducting this programme:

The program will be conducted by the faculty members from NIT Warangal. Academicians in the field concerned from reputed institutes such as IITs/NITs/IIITs have also been invited to deliver lectures in the program.

Registration Fee Particulars (including 18% GST):

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

Participants need to pay the registration fees online using the following 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/HF9pgEMPhce1bFoH9

Selection Criteria:

Selection will be done based on first-come-first-serve to a maximum number of 50 (fifty). Additionally, 10 participants from industry 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. Reservations are followed for selecting candidates as per GOI norms.

Important dates:

Last date for application	23/02/2026
Selection List by E- mail	03/03/2026

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.

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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 **"Advances in Functional Materials for Sustainable Technologies"**, sponsored by the Centre for Training and Learning (CTL) during **9th - 13th March, 2026** at NIT Warangal.

Signature of Head of Institution (with seal)

Address for correspondence

Post your application form to

Course Coordinators

Prof. S. Sardar, Prof. Govindarajan R. & Prof. J. Ghosh
Department of Chemistry
NIT Warangal, Warangal 506004.
Mobile: 9903657841/9486748320/ 9632145722
Email: samimsardar@nitw.ac.in, govindarajan@nitw.ac.in, jayantaghosh@nitw.ac.in.

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/HF9pgEMPhce1bFoH9

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

For more enquiries please contact:

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Prof. Prof. M Sailaja Kumari,
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Email: ctl_hod@nitw.ac.in

Chairpersons:
Prof. Santhosh Penta (Head, Department of Chemistry)

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