



5-DAY ONLINE FACULTY DEVELOPMENT PROGRAM (FDP)

ON

Nanofluids and Applications

August 24 – 28, 2026

Organized by

CENTRE FOR TEACHING AND LEARNING, NIT Warangal

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

in association with

Department of Chemical Engineering

National Institute of Technology Warangal

Preamble:

The Centre for Teaching 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 (PMMNMTT)". 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:

Nanofluids are novel fluids that contain solid particles smaller than 100 nm in a base fluid. Nanofluids have attracted much attention in heat transfer, biomedical and pharmaceutical applications. The course will broadly have sessions covering preparation and stability of nanofluids, applications in heat exchangers, solar thermal systems, CO₂ absorption. Experimental and modelling aspects will be covered. The FDP will be useful to the faculty and students, and industry personnel from Materials, Nanotechnology, Mechanical Engineering, Chemical Engineering and allied disciplines. However, participants from other disciplines are welcome to register.

The FDP will be conducted online from 5.00 to 9.00 pm every day for 5 days. All the participants need to have a laptop/desktop with good internet connectivity.

Major Course Contents:

- Introduction, preparation and stability of nanofluids
- Properties of nanofluids
- Applications in thermal management systems
- CO₂ absorption using nanofluids
- Modelling the thermal behavior
- Application in solar thermal systems

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. 885/-
Industry Participants	Rs.2360/-

Registration fees includes GST. 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/v3bsmXVj7BvctZVd9>

Selection Criteria:

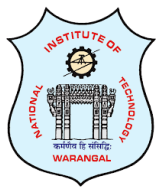
Selection will be done based on first-come-first-serve to a minimum number of 50 (fifty) Faculty/industry participants. Additionally, students/PhD scholars are allowed to participate. The list of selected participants will be intimated through e-mail. In case the candidate is not selected, the registration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

Important dates:

Last date (Application)	07 th August 2026
Selected candidates will be informed by E- mail	

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 15 Departments offering 11 undergraduate and 31 post-graduate programs besides doctoral programmes. About 7000 students across the country and about 600 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 online FDP on **"Nanofluids and Applications "**, sponsored by the Centre for Training and Learning (CTL) during August 24-28, 2026 at NIT Warangal.

**Signature of Head of Institution
(with seal)**

It is requested to all the delegates that, 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/v3bsmXVj7BvctZVd9>

For more details about CTL of NIT Warangal, please visit:

<https://nitw.ac.in/ctlcenter>

For more enquiries please contact the Coordinator:

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