

Teaching-Learning Centre of NIT Warangal:

The Teaching-Learning Centre (TLC) is being established at NIT Warangal with grants from the Ministry of Human Resource Development, Government of India under the scheme, 'Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching' (PMMMNTT). Under this scheme a separate building for TLC with the state-of-art training facilities which include a studio for video recording of lectures is going to come up. Many senior and young faculty members across various departments of the Institute are associated with this center as members of the Core-Team.

One of the important objectives of the center is to conduct short term and medium term training programs for Newly Inducted Teachers, In-Service Teachers and Teacher-Aspirants in Science and Engineering disciplines, so as to enhance their skills.

Other activities of the TLC include preparation of e-learning materials, offering courses on-line, curriculum development, carrying out research in pedagogy and integrating ICT into teaching-learning process.

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 13 Departments offering eight undergraduate and 32 post-graduate programmes besides doctoral programmes. About 5000 students across the country and about 500 international students study in the campus. It is a fully residential campus sprawling over 250 acres with excellent infrastructure, state of the art library, seminar halls, guest houses and laboratories.

About the Department:

The Department of Chemistry, NIT Warangal is growing from strength to strength while keeping pace with the overall development of NIT Warangal. The Department has a team of well experienced faculty, graduated from IIT's, Central Universities and other premier Institutes of higher learning. The Department is equipped with the latest sophisticated analytical instruments and good infrastructure. The Department has been offering two specialized M.Sc. programmes namely i) Analytical Chemistry and ii) Organic Chemistry. The faculty members are engaged in carrying out research in the thrust areas. The Department has produced 115 Ph.D's in materials chemistry, electrochemistry, catalysis, organic synthesis, drug delivery, coordination chemistry, biosensors, environmental chemistry etc. and has to its credit about 600 research publications in reputed international and National Journals.

Confirmation of Participation:

On receipt of the registration form, participants will be sent confirmation of their participation through email by 5th June, 2017. Then, they can send the registration fees on or before 12th June, 2017. As the programme is conducted in a workshop mode with hands-on sessions, the number of participants in the workshop is limited to 40. *Candidates are advised to register early to avoid disappointment.*

For any query regarding this workshop, please contact the Coordinator.

Dr. Vishnu Shanker

Department of Chemistry

National Institute of Technology, Warangal

Telangana State, India

Mobile: 9848424800

Email: vishnu.shanker@gmail.com



PMMMNTT
Scheme



A one Week Faculty Development Workshop

on

“Teaching and Learning Nano-Science and Technology through Hands-on Experiences”

23rd – 27th June 2017

Call for Registration and Participation

Coordinator

Dr. Vishnu Shanker

Organized by

Teaching-learning centre

In association with

Department of Chemistry

National Institute of Technology

WARANGAL – 506 004

Telangana State, INDIA

Overview:

The way how molecules and atoms assemble from nanoscale to large structures, determines important material properties such as the electrical, optical, and mechanical properties. Nano-Science and Engineering are the Science and Engineering that facilitate human control over the nanoscale processes. 'Nano-Science and Technology' is a rapidly developing interdisciplinary field, involving physics, chemistry, biology, medicine, and materials science and engineering.

This Faculty Development Workshop is aimed to impart basic principles and advanced knowledge to faculty and researchers and to open new vistas for them in teaching. Further, this workshop provides a platform for interaction and exchange of ideas on current trends in the fields of Nano-Science and Technology and offers hands on experience on the synthesis of nanomaterials.

Objectives:

1. To make the participants aware of the excitements and importance of nano-science and technology.
2. To enable the participants to learn the synthetic methods and characterization techniques of nanomaterials.
3. To enable the participants to have hands on experience on synthesis and characterization of nanomaterials.
4. To enable the participants to transfer their learning experiences into their classroom teaching.

Topics to be covered:

- Innovative methods of introducing concepts for learning of Nano-Science and Technology
- Control of size and morphology of nanostructures
- Nanostructured thin films: Synthesis and Characterization
- Soft lithographic techniques for Nanostructures
- Developing simple and cost-effective experiments to understand nano concepts.
- Hands on experiences for characterization of nanomaterials

Resource Persons:

Guest faculty from IITs, Central Universities, ARCI, IICT and Senior Faculty from different departments of NIT Warangal, will deliver lectures, conduct workshop sessions and laboratory sessions.

Registration is open to:

Faculty members in Chemistry, Physics, Materials Science and Engineering, Pharmacy, Biotechnology working in the Institutions of higher education.

Research Scholars, who have an aptitude to work in the areas of nanoscience and technology and desire to take up teaching profession as their career.

Accommodation:

Accommodation for outstation participants will be provided on request in the Institute Hostels.

How to Apply:

Eligible candidates may apply by submitting the scanned copy of the filled in registration form (attached with this mail/ brochure) by Email to vishnu.shanker@gmail.com on or before 1st June, 2017. The selected candidates will be informed by email. Then, the candidates will send the required registration fees by 12th June, 2017

Registration fee:

Category	Local participants with lunch	Participants with accommodation breakfast, lunch, dinner
Faculty	Rs. 600	Rs. 1200
Research Scholars	Rs. 300	Rs. 600

Note: Registration fee for Faculty and Research Scholars of SC/ST category is half of the amounts mentioned above, as applicable.

Registration fee may be sent in the form of a DD or remitted through On-line / NEFT to the Bank account given below. Local participants may also pay the registration fee in cash to the Coordinator of the workshop. Scanned copy of the DD / Proof of remittance of the requisite registration fee (with transaction number if online transaction) shall be sent as attachment to the Email given above.

Account Name	DIRECTOR, NIT WARANGAL
Account Number	52109375198
Bank	State Bank of Hyderabad
Branch	REC Warangal (NIT Campus)
Branch Code	20149
IFSC code	SBHY0020149