

Brief profile of the Department:

The Department of Chemistry is one of the most active Departments in NIT Warangal with the faculty strength of 18. It offers Engineering Chemistry courses to all B.Tech. programmes and offers a two-year M.Sc. Chemistry Programme with specializations in Organic Chemistry and Analytical Chemistry. It holds the record of producing the largest number of PhDs in the Institute so far. It has a fair number of sophisticated analytical instruments to cater to the needs of research in all areas of chemistry. The Department runs many sponsored research projects and operates the DST FIST programme. The faculty of the Department publish original research publications in leading international and national journals of very high impact factor. Scores of National and International seminars, conferences and workshops are periodically organized by the Department including GIAN and TLC Workshops.

About NIT Warangal and 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 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 in the form of state of the art library, seminar halls, guest houses and laboratories.

Warangal is the second largest city of the new state of Telangana. It is situated at a distance of 140 km from the state capital Hyderabad (Nearest Airport). It is well connected by Rail (Kazipet Junction is two km away and Warangal Station is 12 km away) and by Road (NH 202). Warangal is renowned for its rich historical and cultural heritage. It was the seat of erstwhile 5th Kakatiya dynasty. It is a place of tourist attraction with a number of historical monuments like Thousand Pillars Temple, Warangal Fort, Bhadrakali Temple, Ramappa Temple and Lankavaram Lake.

Teaching Learning Centre of NIT Warangal:

The Teaching Learning Centre (TLC) is 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' (PMMMNMTT). 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.

For any queries regarding this workshop, please contact the Coordinators.

Coordinators

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**PMMMNMTT
Scheme**



*A Six-Day Faculty Development Workshop
on*

**Teaching and Learning of Advances
in Physical Chemistry Through
Hands-on Experiences**

17th - 22nd February, 2020

Call for Registration and Participation

Coordinators

Prof. K.V. Gobi, Dept. of Chemistry, NITW

Dr. M. Raghassudha, Dept. of Chemistry, NITW

Prof. A. Ramachandraiah, Coordinator, TLC, NITW

**Organized by the
Department of Chemistry**

**In Association with the
Teaching Learning Centre
National Institute of Technology
Warangal - 506 004, Telangana State**



Overview of the Programme:

Physical chemistry plays an important role in all other forms of chemistry. A wide variety of concepts of physical chemistry were instrumental in modern/novel areas of research and development of sensors, catalytic materials, supercapacitors, novel methods of syntheses like electro-organic, photochemical, sonochemical syntheses, nanolithography, organized assemblies, etc. Physical chemistry is like solar energy that drives life of all other forms of chemistry.

This Faculty Development Workshop is aimed to impart innovative and inspiring/exciting methodologies to faculty and researchers and to open new vistas for them in teaching advances in physical chemistry. It is devised to provide a platform for interactions and exchange of ideas on novel trends with eminent academicians and scientists working in frontier areas of Physical chemistry.

Objectives:

- To enable the participants to enthuse students with fundamental and novel concepts hidden in various laboratory experiments and to design new experiments on their own.
- To guide the participants to aspire the students to design new experiments and to come up with novel methodologies.

Topics in the Workshop:

- Advanced topics in Chemical kinetics,
- Quantum chemistry,
- Thermodynamics,
- Electrochemistry,
- Computational chemistry and hands-on experience of some interesting experiments

Resource Persons:

Faculty from reputed Universities who are well recognized in their field of research and teaching. Also, faculty from NIT Warangal and Academic Staff of TLC will deliver lectures and demonstrate some experiments in the laboratory. The list of likely external resource persons is given below

1. Prof. Ch. Subrahmanyam, IIT, Hyderabad
2. Prof. M. Durga Prasad, UOH, Hyderabad
3. Prof. P. Veerasomaiah, OU, Hyderabad
4. Prof. M. Vittal, Emeritus Professor, OU, Hyderabad
5. Prof. Sanjeeva Reddy, Retired Professor, KU, Warangal

Registration is open to:

- Faculty of Chemistry working in Universities, Degree and PG Colleges and Technical Education Institutes
- Chemical Engg. and Materials and Metallurgical Engg. Faculty working in Technical Education Institutes.
- Research Scholars and Post-Graduate Students Aspiring for Teaching Physical Chemistry.

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 drkvgobi@gmail.com (or) raghas13chem@nitw.ac.in (email) on or before **14-02-2020** along with the requisite registration fee.

Accommodation:

Accommodation for the outstation participants will be provided upon request in the Institute visitors Block or Students Hostels on twin sharing basis, subjected to availability and as per the institution norms on first come first served basis.

Registration fee:

Category	Local participants with lunch	Outstation Participants with accommodation breakfast, lunch, dinner
Faculty	Rs. 750/-	Rs. 1500/-
Research Scholars	Rs. 400/-	Rs. 800/-

(Working lunch will be provided for all the participants on all the days of the workshop)

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, Chemistry Department. 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.

Account Name	DIRECTOR, RESEARCH ACCOUNT NITW
Account Number	62266262236
Bank	State Bank of India
Branch	NIT Warangal Campus
IFSC code	SBIN0020149

Confirmation of Participation:

On receipt of the registration form along with proof of payment of registration fee, participants will be sent confirmation of their participation through Email by **14-02-2020**. 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.**



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DEPARTMENT OF CHEMISTRY

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TEACHING LEARNING CENTRE OF NIT WARANGAL

Under the MHRD's PMMMNMTT Scheme

REGISTRATION FORM

Name : _____

Date of Birth : _____

Place of Birth: Village/Town/City: _____ District: _____

Tick as applicable (Rural / Urban): _____ State: _____

Aadhaar number: _____ Gender (Put a ✓ Mark) M F

Category (Tick as applicable) : **Open / OBC / SC / ST / PWD**

Qualification : _____

Designation : _____

Organization : _____

No. of Years of Teaching Experience: _____

Address for Correspondence : _____

Mobile(s): _____ Email(s): _____

Accommodation: Required Not Required

Payment Details

(Online/DD): Amount: Rs. _____ Online Reference No./ DD No.: _____

Date: _____ Bank: _____ Branch: _____

Declaration by the Applicant

If selected, I agree to abide by the rules and regulations of the workshop/ training programme and shall attend all the sessions.

** Kindly go through the brochure before making payment

Date:

Signature of the Applicant

Recommended and Forwarded

Office Seal

Signature of the Head of the Department / Institution