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 GIANT 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 Laknavaram 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’ (PMMMNMITT). 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
Prof. K. V. Gobi
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or
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NIT Warangal, 506 004, Telangana State
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mtlc.nitw@gmail.com
Ph. No. 8332969504 and 0870-2462686

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. Raghasudha, 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. Subrahmanyanam, 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. Sanjeewa 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:

<table>
<thead>
<tr>
<th>Category</th>
<th>Local participants with lunch</th>
<th>Outstation Participants with accommodation breakfast, lunch, dinner</th>
</tr>
</thead>
<tbody>
<tr>
<td>Faculty</td>
<td>Rs. 750/-</td>
<td>Rs. 1500/-</td>
</tr>
<tr>
<td>Research Scholars</td>
<td>Rs. 400/-</td>
<td>Rs. 800/-</td>
</tr>
</tbody>
</table>

(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.

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.
A Six-Day Faculty Development Workshop on
Teaching and Learning of Advances in
Physical Chemistry Through Hands-on Experience
17th - 22nd February, 2020
Organized by the
DEPARTMENT OF CHEMISTRY
In Association with the
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