

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' (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.

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 6000 students across the country and about 600 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 128 Ph.Ds in materials chemistry, electrochemistry, catalysis, organic synthesis, drug delivery, coordination chemistry, biosensors, environmental chemistry etc. and has to its credit about 750 research publications in reputed international and National Journals.

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

Dr. B. Srinivas, Dr. K. Hari Prasad

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**PMMMNMTT
Scheme**



A Six-day Faculty Development Workshop

on

**“Teaching and Learning of Modern Methods of
Organic Chemistry through Hands-On
Experience”**

24 – 29 February 2020

Call for Registration and Participation

Coordinators

Dr. B. Srinivas

Dr. K. Hari Prasad

Department of Chemistry

Prof. A. Ramachandraiah

Coordinator, TLC, NITW

Organized by

Department of Chemistry

in association with

Teaching-Learning Centre

National Institute of Technology

WARANGAL – 506 004

Telangana State, INDIA

PANDIT MADAN MOHAN MALAVIYA TEACHING LEARNING CENTRE



Overview:

Modern Methods of Organic chemistry clearly covers the concepts, procedures and uses of chemical synthesis in creating simple to complex organic molecules. It lies in the design and development of novel drug molecules, reagents, catalysts *etc* which are benign to the environment. In this regard the Green and sustainable chemistry is a rapidly developing interdisciplinary field involving chemistry, biology, medicine, and materials science and engineering which attracts the scientists to conduct non-hazardous chemical reactions with high atom economy. The selectivity in Green organic reactions is important which can avoid the formation undesired by-products. To achieve these, chemists should have thorough knowledge about the stereochemistry, stereoselectivity and characterization techniques.

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 Organic chemistry with Green protocols and Technology and offers hands on experience.

Objectives:

1. To enable the participants to learn the Basic Principles of Green Chemistry and their applications.
2. To facilitate the participants to have thorough knowledge on the molecular models and stereoselective synthesis through hands-on experience.
3. To empower the participants to transfer their learning experiences into their classroom-teaching practices.

Topics to be covered:

- Basic principles of stereochemistry using molecular models and its applications in stereoselective synthesis
- Basic principles of Green Chemistry, designing of simple and cost-effective experiments to understand impact of Green Chemistry & Sustainable chemistry.
- Hands on experiences on Green Synthetic methods and analysis by using IR, UV, ¹H NMR and Mass spectral data.

Resource Persons:

Guest faculty from IITs, Central Universities, ICT 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 Chemistry and allied technology and desire to take up teaching profession as their career.

How to Apply:

Eligible candidates may apply by submitting the scanned copy of the filled in registration form along with the registration fee (attached with this-mail/ brochure) by Email to mmoc2020nitw@gmail.com, on or before 19th February, 2020. ***Spot registration would be accepted subject to vacancy.***

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	Participants with accommodation breakfast, lunch & dinner
Faculty	Rs. 750/-	Rs. 1500/-
Research Scholars	Rs. 400/-	Rs. 800/-

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, RESEARCH ACCOUNT, NIT WARANGAL
Account Number	62266262236
Bank	State Bank of India
Branch	NIT Warangal Campus
Branch Code	20149
IFSC code	SBIN0020149

Registration:

Registration form along with the payment details of Registration fee with On-line Receipt/Scan copy of DD need to be submitted through email on or before 19th February, 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 Modern Methods of Organic Chemistry
through
Hands-on Experience"***

24th – 29th February, 2020

Organized by

**Teaching – Learning Centre in association with
Department of Chemistry, NIT Warangal
Sponsored by MHRD, Govt. of India under PMMMNMTT Scheme**

REGISTRATION FORM

Name : _____

Date of Birth : _____

Place of Birth: Village/Town/City: _____ Tick as applicable (Rural /
Urban)

District _____ State: _____

Gender (Put a \sqrt Mark) : Male Female

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) _____

Details of Remitting Registration Fee: (i) Amount in Rs. _____

(ii) Name of the Bank Through which Remitted/DD Taken: _____

(iii) On-line Transaction No./ DD No: _____ (iv) Date: _____

Accommodation (Put a \sqrt Mark) : Required Not Required

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.

Date:

Signature of the Applicant

Recommended and Forwarded

Office Seal

Signature of the Head of the Department/ Institution