

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 teaching 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.

Contact Details:

Prof. I. Ajit Kumar Reddy

Coordinator of TLC, NIT Warangal

E mail: mtlc.nitw@gmail.com

Internal Phone No: 2661 and 4076

Mobile: 8332969704

INSTRUCTIONAL DESIGN AND DELIVERY METHODS

(A Training Programme for Adhoc Faculty of NIT Warangal)

12th – 14th November 2016

(Phase I)



Organized by

Teaching Learning Centre

National Institute of Technology Warangal

Warangal- 506 004

Telangana State

Under PMMMNTT Scheme of MHRD, Govt. of India

COORDINATORS

Prof. I. Ajit Kumar Reddy

Prof. L. Krishnanand

Prof. B.V. Appa Rao



MHRD
Govt. of India

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Background:

Teachers in Engineering and Science disciplines in higher education usually join the teaching profession without any formal training in teaching methodology and learning psychology. They develop teaching skills out of their own experiences or from experiences shared by colleagues in course of their teaching career. Often, they are influenced by the ways in which their teachers taught them.

Pedagogy in higher education has undergone revolutionary changes in the past few decades. Traditional methods of lecturing have become obsolete in today's scenario. Outcome-based Education and Student-Centered Teaching have become the order of the day. Further, use of a plethora of ICT tools in Teaching-Learning process has been redefining the role of a teacher from a mere provider of information to a facilitator of learning.

Against this backdrop, this training programme on 'Instructional design and delivery methods' has been conceptualized to provide an opportunity for the adhoc faculty members to get trained in teaching strategies and assessment methods.

This training programme is planned in two phases. The first phase is scheduled during 12th -14th November 2016. The dates for the second phase will be finalized after considering the convenience of the participating faculty and external resource persons.

Objectives:

- ❖ To enable the participants develop effective teaching skills.
- ❖ To enable them learn instructional design and delivery methods, appropriate to outcome-based education.
- ❖ To enable them develop suitable tools of assessment.
- ❖ To enable them imbibe the attributes of an effective teacher.

Topics to be covered in two phases:

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| ❖ Principles of Learning | ❖ Strategies to facilitate active learning |
| ❖ Formulating Instructional Objectives | ❖ Use of ICT in Education |
| ❖ Instructional design | ❖ Effective Laboratory Instruction |
| ❖ Domains and Taxonomies of Learning | ❖ Cognitive Layers-based Design of Questions |
| ❖ Outcome-Based Education | ❖ Principles of Assessment |
| ❖ Motivation Techniques | ❖ Methods of assessment and grading |
| ❖ Learning Styles | ❖ Personal Effectiveness and Productivity |
| ❖ Communication Skills for Classroom | ❖ Simulated Teaching and its Analysis |
| ❖ Presentation Skills | ❖ Desirable attributes of a Teacher |
| ❖ Effective use of Instructional media | |
| ❖ Preparing and Using Animations in Teaching | |

Faculty:

Guest faculty from IITs, NITTTRs, Academic Staff Colleges, Core-Team members of Centre for Educational Technology, Teaching Learning Centre and Senior Faculty from different departments of NIT Warangal will deliver lectures, conduct workshop sessions and teaching practice sessions.

Eligibility:

- Adhoc faculty members of all the departments of NIT Warangal are eligible.
- Adhoc faculty members who fail to participate in Phase I of the programme are not eligible for Phase II of the programme.

Registration Fee & Course kit:

There is no registration fee. Participants will be provided course kit by Teaching-Learning Centre (TLC).

Working Lunch, Mid-Sessions Snacks:

Working lunch, mid-sessions snacks and tea will be provided by TLC.

Confirmation of Participation:

All adhoc faculty are requested to confirm their participation in this training programme by sending an e-mail to mtlc.nitw@gmail.com on or before **8th November 2016**. It may be noted that attendance in all the sessions is necessary.