



PMMMTLC
NIT WARANGAL



A Six Day Faculty Development Program
on
Effective Teaching and Learning of Geotechnics for
Infrastructure Development

25-10-2021 to 30-10-2021

Call for Registration and Participation

Programme Coordinators

Dr. P. Hari Krishna
Prof. V. Ramana Murty
Dr. Arif Ali Baig Moghal

Organized by
Department of Civil Engineering
in association with
Teaching Learning Centre (PMMMTLC), NITW,
Warangal – 506 004, Telangana State, India



Overview of the Workshop

Background

Infrastructure of a country is one of key factors for its economy and is highly responsible for propelling overall **development** of the country. Being a developing nation, India is marching ahead in terms of creating good infrastructure. Infrastructural Development involves construction of many civil engineering structures and Geotechnics is a specialization of civil Engineering which deals with the behavior of earth materials like soil and rock. Foundation Engineering is immensely benefitted by the understanding of fundamental principles of earth materials especially while dealing with major projects and problematic soil deposits. It is therefore pertinent to understand the basic concepts of Geotechnics for the infrastructural development of a country. The faculty of GTE division of NIT Warangal has experience in integrating field practices with advanced techniques in enhancing the effectiveness of teaching and learning in this area. In this background, the present five-day workshop is planned with the following objectives.

Objectives

- To enable the participants to gain the state-of-the-art knowledge and recent developments in geotechnics.
- To enable the participants to teach geotechnical aspects in relation to Infrastructural development effectively using field practices.
- To make the participants in analyzing the ground complexities using the advanced techniques.

Topics

This workshop will focus on the principles and field practices of Geotechnics that are useful for teaching and research in addition to practice in the field. The main topics of the course are:

- Geotechniques – Complexities & Challenges
- Recent advances in Geotechniques and Ground Improvement techniques
- Innovative Teaching Methods
- Remedial Measures in Problematic Soils
- Geotechniques for Smart cities
- Forensic Geotechnical Engineering
- Sustainable Geoenvironmental Solutions

Resource Persons

Faculty of the Civil Engineering Department of National Institute of Technology, Warangal, having geotechnical and Geoenvironmental expertise will deliver lectures for the FDP. Eminent faculty from IITs and other premier institutes, and experts from construction industry will be the external resource persons for this programme.

Registration is open to

- Faculty members working in all NBA and AICTE approved Engineering colleges / University Colleges / Polytechnic colleges and Research Scholars and PG students
- Industry personnel related to this field of expertise.

How to Apply

Eligible candidates may apply through Google Form on or before 20-09-2021.

Google Form Link for Registration: <https://forms.gle/N21bNCDt3epZhBTaA>

Mode of Delivery: Online mode

Selection of the Participants and Intimation

As the programme is conducted in a workshop mode with hands-on sessions, the number of participants in the workshop is limited to **100**. The selection will be first-cum-first served among eligible applicants. The selected applicant will be informed about his / her selection through Email on or before 20th September 2021.

Payment of Registration Fee

After receiving the intimation about the selection, the applicant has to send the required registration fee as per the details shown in the Table on or before 20th September 2021. The mode of payment of registration fee is given under the heading “Bank Details”.

Confirmation of Participation

On receipt of the proof of payment of registration fee **in the form of scanned copy /Screenshot of Payment / Proof of remittance** (with transaction number if it is paid through online transaction), the applicants will be sent confirmation of their participation through Email.

Registration fee

Category of Participants	Fee (Rs.)
Faculty	Rs. 1,600
Industry	Rs. 3,200

Bank Details

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 in the Department of Civil Engineering

Account Name	Coordinator TLC NITW
Account Number	40376545007
Bank & Branch	SBI, REC Warangal (NITW campus)
IFSC code	SBIN0020149

Brief Profile of the Geotechnical Engineering Division of Civil Engineering Department

The Department of Civil Engineering offers B.Tech program in Civil Engineering and seven postgraduate programs. The Department has experienced faculty, well-established laboratories and other infrastructure. The Geotechnical Engineering Division of Civil Engineering Department offers M.Tech program in Geotechnical Engineering since the year 1964. Since its inception, the GTE division is actively engaged in Research and Consultancy Projects. At present the GTE Division is engaged in dealing with various aspects of Geotechnical Engineering, which include irrigation projects like Chintalapudi Lift Irrigation, Palamuru Ranga Reddy Lift Irrigation, Kaleswaram Lift Irrigation, Sita Rama Lift Irrigation, Thousand Pillar temple and Ramappa Temple restoration works etc.

Teaching-Learning Centre of NIT Warangal

The Teaching Learning Centre (TLC) is established at NIT Warangal with grants from the MHRD, GOI under the scheme, 'Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching' (PMMMNTT). The important objectives of the centre are to conduct training programs for aspiring, newly inducted and in-service faculty in Higher Education, preparation of e-learning materials, facilitating on-line educational avenues, curriculum development, carrying out research in pedagogy and integrating ICT into teaching-learning process. It has already trained more than 8000 faculty so far and made a niche for itself in the PMMMNTT Mission.

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. Despite the COVID-19 Pandemic, it is holding its academic schedule online with no career loss to the graduates.

About Warangal

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 2 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 Kakatiya dynasty. It is a hub of tourist attractions with a number of historical monuments like Thousand Pillars Temple, Warangal Fort, Bhadrakali Temple, Ramappa Temple and Lankavaram Lake located in a radius of 30 kms.

For any query regarding this FDP, please contact the following persons:

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