



**PMMMNTT  
Scheme**



**A Five Day Faculty Development Workshop  
on  
*Effective Teaching and Learning of Geotechnical Engineering  
Using Field Practices and Case Studies***

**06-12-2017 to 10-12-2017**

**Call for Registration and Participation**

**Coordinators**

**Dr. P. Hari Krishna  
Dr. V. Ramana Murty  
Prof. N.V. Uma Mahesh**

**Organized by**

**Department of Civil Engineering  
*in association with*  
Teaching-Learning Centre  
National Institute of Technology  
Warangal – 506 004  
Telangana state, India**



## **Overview of the Workshop**

### **Background**

Geotechnical Engineering (GTE) deals with the behavior of earth materials like soil and rock in relation to water and design of civil engineering structures appropriately. Foundation Engineering is immensely benefitted by the understanding of fundamental principles of earth materials especially while dealing with major projects and problematic deposits. The foundation behavior cannot be different from the behavior of the supporting medium. It is therefore pertinent to understand the concepts of GTE. The faculty of GTE division of NIT Warangal have experience in integrating case studies and field practices in enhancing the effectiveness of teaching and learning. 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 in geotechnical engineering
- To make the participants understand the codal provisions and their importance in geotechnical engineering
- To enable the participants to teach geotechnical engineering effectively using principles, case studies and field practices.

### **Topics**

This workshop will focus on the principles and field practices of GTE that are useful for teaching and research. The main topics are:

- GTE – Complexities & Challenges
- Ground Improvement techniques
- Methods of Geotechnical Exploration
- Earthquake GTE
- Modern Methods of Teaching and Learning
- Remedial Measures in Problematic Soils
- Behavior of Foundations Based on Field Load Tests
- Engineering of the Ground
- Case studies in GTE

### **Resource Persons**

Faculty of the Civil Engineering Department of National Institute of Technology, Warangal, who have the expertise in geotechnical engineering will form the core faculty of the workshop. Eminent Faculty from IITs and other premier institutes are the external resource persons for this programme.

### **Registration is open to**

- Faculty members working in National Institutes / Engineering colleges / University Colleges
- Research Scholars aspiring for faculty positions

### **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 [phari@nitw.ac.in](mailto:phari@nitw.ac.in) on or before **20-11-2017**.

### **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 **40**. **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 24<sup>th</sup> November 2017.**

### **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 13<sup>th</sup> November 2017. 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 of the DD / Proof of remittance** (with transaction number if it is paid through online transaction), the applicants will be sent confirmation of their participation through Email immediately.

### **Registration fee**

<b>Category of Participants</b>	<b>Local participants (with working lunch)</b>	<b>Residential participants (accommodation, breakfast, lunch &amp; dinner)</b>
Faculty	<b>Rs. 600/-</b>	<b>Rs. 1,200/-</b>
Research scholars	<b>Rs.300/-</b>	<b>Rs. 600/-</b>

**Note:** Registration fee for Faculty & scholars of SC/ST category is half of the amounts mentioned above as applicable.

### **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	Director, NIT WARANGAL
Account Number	52109375198
Bank & Branch	State Bank of India, REC Warangal ( NIT campus)
IFSC code	SBIN0020149

### **Accommodation**

Accommodation for outstation participants will be provided on request in the Institute Visitors' Block or International Students' Hostel.

### **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 reconstruction works etc.

## About NIT Warangal

National Institute of Technology Warangal, formerly known as Regional Engineering College was established in the year 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 32 post-graduate programmes besides doctoral programmes. About 5000 students across the country and about 500 international students study on the campus. It is a fully residential campus sprawling over 250 acres with excellent infrastructure in the form of state of the art laboratories, library, seminar halls, and guest houses and laboratories.

## 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). 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 training programs for aspiring, newly inducted and in-service faculty in Higher Education. 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 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 Laknavaram Lake located in a radius of 30 kms.

**For any query regarding this workshop, please contact the following persons.**

**Dr. P. Hari Krishna,**  
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**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**

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.

\*\* 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