

## Registration Fee

Faculty & Industrial People : **Rs.5,900/-\***  
Students & Research Scholars : **Rs. 4,130/- \***  
(\*includes GST @ 18%)

- The registration shall be paid in the form of DD only
- DD shall be drawn in favour of “The Director, NIT Trichy” payable at Trichirappalli.
- Registration fee includes: kit, course materials, lunch and refreshments.
- Seats are limited to 25 for Faculty & Industrial People, 15 for Scholars & Students (may vary)
- Registration fee will not be refunded if withdrawn after confirmation of seats.

## Accommodation

Participants have to make their own arrangements for boarding and lodging. Limited scope exists for providing the accommodation in the guest house/hostel in the campus on first come first served basis on payment.

In guest house : **Rs. 500** per head per day  
In hostel room : **Rs. 250** per head per day

## Important Date

Completed Registration forms accompanied by registration fee (in the form of DD) should reach the coordinator not later than 22<sup>nd</sup> Nov 2017. The selected candidates will be intimated on 24<sup>th</sup> Nov 2017 by e-mail / phone.

## How to reach NIT-T

NIT-T is in Tiruchirappalli, located about 22 km from Tiruchurapalli Jn / Central Bus stand on the Trichy-Thanjavur Highway. Simplest & most economical way to reach NIT-T is by bus journey. Time from Trichy will be around 30 minutes.

## Objective & Content of the Course

The main objective is to provide a clear understanding of the advanced concepts of geotechnical engineering, foundation engineering and Geosynthetics with emphasis on applications to Infrastructure projects. In particular, the following topics will be covered as part of the course so as to mark significance of the advancement in geotechnical engineering:

- Advanced geotechnical engineering theories and advanced foundation analysis and design
- Recent development in ground improvement techniques.
- Soil-structure interaction problems & solutions
- Piled-raft foundation systems
- Introduction to constitutive modelling and exposure to geotech. software like OASYS, PLAXIS 2D & 3D and FLAC 3D
- Hand on experience on advanced geotechnical laboratory equipments like cyclic triaxial test, bender element, dynamic SSI tests and etc.
- Hand on experience on advanced field experiments like SASW, Electrical resistivity, SCPT, SPT , Field vane shear and etc.

## Resource Persons

Renowned Professors from IIT's, NIT's and Anna University, Eminent industrialists from Keller, Maccaferri and eminent speakers from OASYS and PLAXIS.

## Course Materials

- Standard reference books for geotechnical and foundation engineering will be given
- CD containing Expert's lectures will be given.

## Short Term Course

on

## Advanced Geotechnical Engineering - Theory and Practices

27<sup>th</sup> Nov' 2017 to 1<sup>st</sup> Dec' 2017



*Coordinators*

**Dr. K. Muthukkumaran**

**Dr. Deendayal**



*Organized by*

Department of Civil Engineering  
National Institute of Technology  
Tiruchirappalli – 15

## About NIT Trichy

The National Institute of Technology (formerly known as Regional Engineering College) Tiruchirappalli, situated in the heart of Tamil Nadu on the banks of river Cauvery, was started as a joint and co-operative venture of the Government of India and the Government of Tamil Nadu in 1964 with a view to catering to the needs of manpower in technology for the country. The college has been conferred with autonomy in financial and administrative matters to achieve rapid development. Because of this rich experience, this institution was granted Deemed University Status with the approval of the UGC/AICTE and Govt. of India in the year 2003 and renamed as National Institute of Technology. NIT-T was registered under Societies Registration Act XXVII of 1975. The Institution offers Under Graduate Courses in ten branches and Post Graduate Courses in twenty one disciplines of Science, Engineering & Technology besides MS, Ph.D. in all the departments.

### Address for communication

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### For queries contact us through

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## Who should attend ?

Academicians, research scholars, practicing engineers and students who are very keen in acquiring and enhance their knowledge in the field of geotechnical engineering and its current trends.

### Geotechnical Laboratory

NIT Trichy has state of the art Geotech. Laboratory facilities to carry out advanced research and consultancy works in various area of Geotechnical Engineering. Some of the major equipments are;

- ✓Cyclic Triaxial with Bender Element System,
- ✓Computerized Triaxial and Consolidometer,
- ✓Loading Frame with Hydraulic Actuator for static and dynamic SSI studies
- ✓Site Response Characterizer,
- ✓Electrical Resistivity & Inclinator
- ✓SPT, SCPT & Field vane shear
- ✓Oasys Geotech software suite,
- ✓FLAC 3D, PLAXIS 2D and PLAXIS 3D



## Registration Form

Short term course On

### Advanced Geotechnical Engineering - Theory and Practices

27<sup>th</sup> Nov – 1<sup>st</sup> Dec 2017

Name: .....

Designation: .....

Organization: .....

Address:

.....  
.....

Phone: .....

E-mail: .....

Accommodation required: (Yes/No)

### Payment Details:

Amount: Rs..... DD No: .....

Dated: .....Bank Name .....

Signature of the Applicant

Signature & Seal of Head of Institution or Dept.

(DD should be in favour of “The Director, NIT Trichy” payable at Tiruchirappalli. Additional registration forms may be photocopied)

