

INTRODUCTION

Recognizing infrastructure development is the key to economic development, various governments, both at the Centre and State have allocated huge sums of money for infrastructure development.

For any infrastructure development project, whether it is built in the ground or utilises earth material as construction material, both onshore and offshore, the role of geotechnical engineering in design and construction need not be over-emphasized. However, many current construction projects and research developments have been exciting for Indian Geotechnical Engineers, for example

- the use of ground improvement techniques and various geotechnical issues in the construction of new highways & BRTS corridors, railway track infrastructure and airports, and construction of oil-berths and offshore platforms,
- the development in the bored-pile and diaphragm wall construction
- Foundation systems for transmission line towers, cooling towers, rocket launching pads, small and large dams

Sound geotechnical practice depends on integration of theory, adequate & reliable subsurface information, appropriate selection of analysis, principles & construction methodologies/details, ability to cope with variations in ground conditions, and timely interpretation of field performance data and to achieve economy and safety in major infrastructure development.

BROAD OBJECTIVES

This course will attempt

- to present various geotechnical issues of infrastructure development,
- to suggest various foundation systems for infrastructure projects, constructed on different soils, both onshore and offshore
- to illustrate the complexity of geotechnical engineering, yet making it simple to understand for the participants

COURSE CONTENTS (to name a few)

- New techniques for subsurface exploration and sampling techniques and new techniques
- Suitability of soils and rocks for infrastructure projects

- Instrumentation techniques & construction equipment
- Ground improvement for infrastructure projects
- Advances in reinforced earth technology
- Foundations of power plant structures, tall chimneys, turbo-generators
- Highway and airport pavement design, port & harbour structures
- Case studies

RESOURCE PERSONS

The faculty for the course have been drawn from this college, and from other organisations. The names of the resource persons who have confirmed their participation are given below.

Dr. V. Balakumar, Simplex Infrastructures Limited
Sri S.S. Basarkar, ITD Cementation India Limited
Sri A.D. Gharpure, Maccaferri Evtl Solutions Pvt. Ltd.
Sri Sanjay Gupta, Cengrs Geotechnica Pvt. Ltd
Dr. S. Narasimha Rao, Retd. Professor, IITM
Dr K. Rajagopal, Professor, IITM
Dr. GV Rao, SAGES
Dr. Ing. P.S. Rao, Emeritus Professor, GVPCOE
Sri J.C. Shukla, Essar Engineering Services Ltd.
Ms. B.V. Sushma, TCE Consulting Engineers Ltd
Sri V.V. Viswanadh, Vax Consultants

COORDINATOR

Dr. Manchikanti Srinivas

HOD, Department of Civil Engineering
Gayatri Vidya Parishad College of Engineering
(Autonomous)
Madhurawada, Visakhapatnam-530048

WHO MAY BENEFIT

- Central & State government engineers working in geotechnical/ structural engineering related areas.
- Consulting companies, Contractors
- Small and large construction companies
- Self-employed practitioners engaged in the planning, analysis, design, construction, operation, maintenance and management of geotechnical activities

Short-term course
on
*Analysis & Design of Foundation Systems
for Infrastructure Projects (ADFSIP)*
(July 26-31, 2010)

REGISTRATION FORM

Name in full (in block letters):

Designation:
Organisation:

Mailing address:

Telephone (including STD Code):

Fax:

Email:

Mobile (necessary):

Highest Educational qualification:

Specialisation:

Experience:

Fee amount : Rs 1500.00

DD # : _____ dated _____
DD issued by (Name of the bank) :

Signature of applicant with name and date

Note

- Incomplete application forms will not be processed
- For additional copies of the registration form, please use a photocopy

HOW TO APPLY

Application in the attached form or in a similar format should reach the Coordinator as per the date mentioned below. Application forms may also be downloaded from the institute website, www.thegvp.net

REGISTRATION

A non-refundable fee of Rs.1500/- (Rupees One thousand five hundred), per person. The fee is payable in the form of a demand draft issued by any nationalised bank, drawn in favour of, **The Principal, GVP College of Engineering**, payable at State Bank of Mysore (Code # : 40546) Visakhapatnam.

TRAVEL & ACCOMMODATION

Participants are required to bear their travel and accommodation costs. However, help can be provided upon a specific request for accommodation and on payment in advance.

The course fee includes lectures, course material, working lunch and coffee/tea.

IMPORTANT DATES

Last date for Registration : June 21, 2010

Notification of acceptance : June 26, 2010

(Intimation of selection will be through e-mail only, participants are advised to check their SPAM/ JUNK/ BULK mail folders also)

Course dates : July 26-31, 2010

**Registration form complete in all respects,
to be mailed to**

Dr. MANCHIKANTI SRINIVAS

Coordinator, STC on *Analysis & Design of
Foundation Systems for Infrastructure
Projects (ADFSIP)*

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Gayatri Vidya Parishad College of
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ABOUT THE CIVIL ENGINEERING DEPARTMENT

- In 1999, after a gap of about 15 years, GVPCoE was the first private engineering college to have started Civil Engineering Department, in the Andhra Pradesh State with an intake of 30 students. The current intake is 120.
- The department also has an M.Tech programme in Infrastructural Engineering & Management, started in 2008, with an intake of 18.
- The department has well-qualified faculty and non-teaching staff and well-equipped laboratories to impart training to the students.
- The faculty are also working on both internally & externally-funded R&D projects and have published their research in various journals and conferences. All the faculty of the department are actively involved in consultancy projects, and the department has executed consultancy jobs to the tune of Rs. 2.0 crores.
- All these efforts have brought the department (in the year 2006), the 5-year accreditation by NBA in the very first attempt.

ABOUT THE COLLEGE

- The college is run by a well-respected educational society, Gayatri Vidya Parishad of Visakhapatnam. The college was started in 1996 and the present student strength of the College is 2,900 with an intake of 858 into 7 UG Programs, 6 M.Tech programs and 1 M.C.A. program.
- The College has well qualified staff with 35 Ph.Ds and 116 P.Gs out of a total strength of 174.
- The College is one of the most preferred private Engineering Colleges in the A.P.State (top 3 out of about 530 Colleges) as evidenced by the fact that majority of the students are from the top 5% of the students appearing in the Entrance Examination from all over the state.
- Because of its consistently good performance since its inception, the College has been granted AUTONOMOUS STATUS w.e.f. 2009-10 and has been accredited by the NAAC in April, 2009 with 'A' Grade with a CGPA OF 3.47/4.00. All the undergraduate courses are accredited by the NBA with 4 out of 7 programmes getting accreditation for 5 years.
- The College has been selected in 2003 by the Government of Andhra Pradesh and the Government of Germany (GTZ) as their partner to establish and administer an Institute called Indo-German Institute of Advanced Technology in Visakhapatnam.

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Organised by
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