Selection and Mode of Payment

Selected candidates will be intimated through Email. They have to remit the necessary course fee to the Bank as per the details given below. Outstation participants requiring accommodation and boarding facilities have to pay Rs.4000/- in addition to the course fee.

Account Name GIAN NITW
Account Number 62447453600
Bank State Bank of Hyderabad
Branch REC Warangal (NIT Campus)
Branch Code 20149
IFSC SBHY0020149
MICR Code 506 004 011
SWIFT Code SBHYINBB018

*Candidates registering early will be given preference in short listing process.
For any queries regarding registration of the course, please contact the Coordinators:

Course Coordinators
Dr. Raman Murty
Associate professor
Department of Civil Engineering
National Institute of Technology Warangal
Warangal – 506 004,
Telangana State, India
Phone: 8332969248
E-mail: vrm_nitw@yahoo.com

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Dr. Rakesh J. Pillai
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About GIAN Courses

MHRD, Govt. of India has launched an innovative program titled ‘Global Initiative of Academic Networks’ (GIAN) in Higher Education, in order to garner the best international experience into our system. As a part of this, internationally renowned Academicians and Scientists are invited to augment the country’s academic resources, accelerate the pace of quality reforms and elevate India’s scientific and technological capacity to global excellence.

About the Civil Engineering Department

The Department of Civil Engineering with four divisions offers an undergraduate program in Civil Engineering and seven postgraduate programs. The Department has experienced faculty and well established laboratories. The Department has collaborating with major government departments, industries and R&D organizations.

About the Institute and Warangal

National Institute of Technology (formerly Regional Engineering College), Warangal is the first among 17 RECs setup as joint venture of the Government of India and the state government. Over the years the college has established itself as a premier Institution imparting technical education of a very high standard leading to the B. Tech degrees in various branches of engineering and M. Tech and Ph. D programs in various specializations. With a view to give further impetus to the technological education, the Central Govt. upgraded the RECs into NITs, and conferred the Deemed to be University status.

Warangal is known for its rich historical and cultural heritage. It is situated at a distance of 140Km. from Hyderabad. Warangal is well connected by rail and road. National Institute of Technology campus is 2 Km. away from Kazipet railway junction and 12Km. away from Warangal railway station. Participants are advised to alight either at Kazipet or Warangal depending upon the train of travel. The local weather during December is cold. The average temperature will be about 30 degree Centigrade during day and about 20 degree Centigrade during night.

Course details are also available at:
http://www.gian.iitkgp.ac.in/files/brochures/BR1468834950GIAN_GIT_Brochure_VRM.pdf
http://www.gian.iitkgp.ac.in/GREGN
Overview

Ground improvement is one of the basic requirements of many Civil Engineering construction projects. Improving the ground permits construction on problematic soils by changing their characteristics and strength. With the introduction of Japanese high speed railways (Shinkansen) in India, ground improvement will play a significant role in the construction and infrastructure development in India.

This course focuses on the principles of various ground improvement techniques developed in Japan, Asia and the rest of the world. The course will encompass the understanding of the problems facing geotechnical researchers and engineers working in the field of ground improvement, and will also cover the recent advances in the techniques available to them. The course contents consist of three parts. Part I focuses on the approaches for ground improvement geosystems dividing the each technique in various groups and mechanisms involved in each technique. Part II describes many case histories from Japan and other Asian countries based on the tutors’ experiences of working in various ground improvement projects and their implementation. Part III focuses on the new applications and trends of the ground improvement geosystem including recycling, geo-environmental consideration and preservation of the world cultural heritage.

This course targets the beginners and the intermediate level practitioners who are dealing with geotechnical construction projects or who have interest in the development and application of ground improvement techniques. Engineers and researchers will find it helpful in developing, advancing and applying the techniques in the field.

In this course, ground improvement techniques, their theoretical background, methods adopted in a particular situation and accomplishment of the projects will be described in an easily understandable way. This course helps students, researchers and engineers to understand what is ground improvement, principles of the improvement methods considering the geological and geotechnical background, how they are executed in the site, basis of selection of a particular ground improvement technique in a project, and cost-performance of such methods, etc.

The course will be delivered by expert who had many years of practical and consulting experiences as well as experiences on research, development and, execution of ground improvement projects in Japan and other Asian countries.

Course details

Part I: Approaches for Ground Improvement

Part II: Case Histories of Ground Improvement Techniques

Number of participants for the course will be limited to 50.

International Expert:

Prof. Hemanta Hazarika, Professor in the Department of Civil Engineering, Kyushu University, Fukuoka, Japan. His research interests include soil-structure interaction, stability of soil-structures during earthquakes and tsunami, ground improvement, application of recycled waste and lightweight materials in constructions, stability of cut slopes, and landslides and protection against them.

Institute Expert:

Dr. Ramana Murty, is an Associate Professor of Civil Engineering at NIT Warangal. His research interests are Ground Improvement, Expansive soils and waste material utilization.

Dr. Kalyan Kumar is an Assistant Professor of Civil Engineering at NIT, Warangal. His research interests are Soil Dynamics, Seismic hazard, Seismic microzonation, Disaster Management and Subsurface Investigation.

Dr. Rakesh J. Pillai, is an Assistant Professor of Civil Engineering at NIT, Warangal. His research interests are Soft clay engineering, Cyclic behavior of clays, Constitutive modeling and Tunneling.

Who can participate?

Registration is open to:

i) Field engineer or research scientist working in the fields of Civil and Geotechnical Engineering.

ii) Student or faculty from academic institution interested in the area of ground modification and construction practices in difficult ground.

How to Register?

Stage -1:

Web (Portal) Register: Visit GIAN Website at the link: http://www.gian.iitkgp.ac.in/GREGN/index and create login User ID and Password. Fill up the blank registration form and do web registration by paying Rs 500/- online through Net Banking / Debit / Credit card. This provides him/her with lifetime registration to enroll in any number of the GIAN courses offered.

Stage -2:

Course Registration (Through GAIN Portal): Log in to the GIAN portal with the user ID and password created. Click on ‘Course Registration’ option given at the top of the registration form. Select the course titled “Ground Improvement Techniques (Classification, Case Studies and Trends)” from the list and click on ‘Save’ option. Confirm your registration by clicking on ‘Confirm Course’.

Registration Fees:

<table>
<thead>
<tr>
<th>Category</th>
<th>Fee (in Rs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Faculty and scientists</td>
<td>4000/-</td>
</tr>
<tr>
<td>Participants from industry/ Training organizations/ consultancy firms</td>
<td>10000/-</td>
</tr>
<tr>
<td>Students and research scholars</td>
<td></td>
</tr>
<tr>
<td>- Without award of grade</td>
<td>1000/-</td>
</tr>
<tr>
<td>- With award of grade</td>
<td>2000/-</td>
</tr>
<tr>
<td>Student participants from abroad</td>
<td>100 USD</td>
</tr>
<tr>
<td>Other participants from abroad</td>
<td>50 USD</td>
</tr>
</tbody>
</table>

The registration fee includes instructional materials, tutorials, laboratory and computer use, free internet facility, working lunch, mid sessions tea and snacks. Outstation participants will be provided accommodation and boarding in visitors Block/Hostel in the campus on payment.