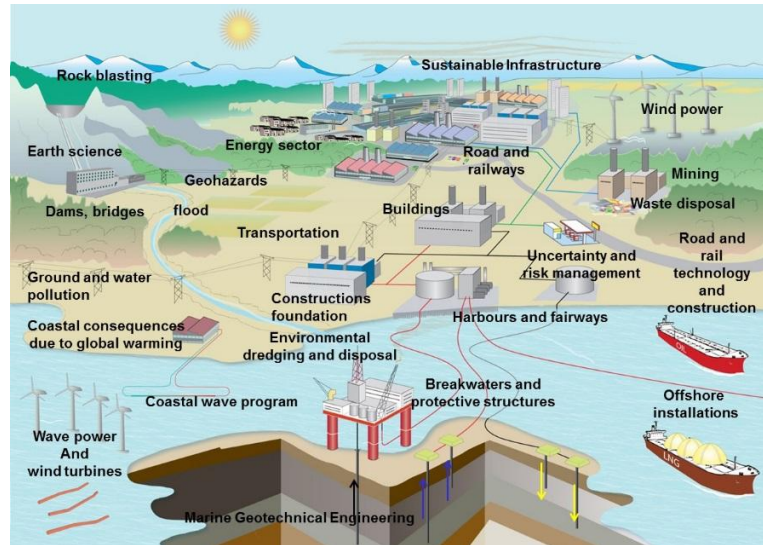


Modern Geotechnical Engineering

Overview

Necessity to improve the geotechnical solutions for the design and construction of a cost-effective infrastructure for society, environmental sustainability and the responsible exploitation of natural resources, waste disposal, including environmentally friendly energy has been felt for long. Accordingly, through this short course, the course participants will learn about geotechnical solutions (design, analysis and control) to these issues. Through this short but intensive course on modern geotechnical engineering will introduce, among other, the state-of-the-art methods and cutting-age technologies adopted for the geo-hazards assessment, smart solutions to geo-environmental challenges. This course will provide up to date and high quality knowledge about the field by the international expert. Capacity building amongst the participants in terms of handling geotechnical and geo-environmental challenges using recent and advance methodology and and-on experience on real life geotechnical problems and their solutions will be of the focus in the course.



Modules	A: Geo-hazards Assessment : December 21st - December 24th, 2015 B: Solutions to Geo-environmental Hazards in Chhattisgarh: December 25th-December 28th, 2015 Number of participants for the course will be limited to fifty.
You Should Attend If...	<ul style="list-style-type: none"> • you are an executive / engineer / researcher from civil engineering, mining engineering, geology belonging to governmental institutes / consultancy firms / research institutes / industries • You are a student (BTech/MSc/MTech/PhD) or Faculty members from academic institutions and technical institutions.
Fees	<p>The participation fee for taking the course is as follows:</p> <p>Participants from abroad : US \$500 Industry/ Research Organizations: INR 10000 Academic Institutions: INR 3000 Students: INR 1500</p> <p>The above fee includes all instructional materials, computer use for tutorials and assignments, laboratory equipment usage charges, free internet facility during lecture and practical session. The participants will be provided accommodation on payment basis if available in the institute hostels.</p>

The Faculty



Prof. Vikas Thakur (PhD, NTNU, Norway) is Professor at the Norwegian University of Science and Technology in Trondheim in Norway. He is regarded as one of the few top scientists within his field of expertise, which is characterization of soft clays and geo-hazards. He has been leading Intergovernmental research programme(s) in Norway. Apart from numerous journal papers, conference paper and book chapters he is actively involved in innovative education. He is leader of a national level project on massive open online course related to the geotechnical engineering. He is associate editor of topnotch journal *Environmental Geotechnics* by ICE, UK. He is currently appointed as a member of the Eurocode-7 standardization committee in Norway. He is committee member of the Indo-Norwegian Program by the Research Council of Norway.



Prof. Samir Bajpai (PhD) is Professor, Civil Engineering, National Institute of Technology Raipur, India. His research interest is geo-environmental engineering, environmental engineering, water & waste water treatment, environmental management, air pollution monitoring & modeling, solid waste management, etc.



Dr. Laxmikant Yadu (PhD, NIT Raipur) is an Assistant Professor, Civil Engineering, National Institute of Technology Raipur, India. His research interest is physical modeling, soft soils, slope stability, soil stabilization, pavement materials, locally available materials etc.

Period
21st- 28th December 2015

Venue:
NIT Raipur



Course Coordinators

Dr. Laxmikant Yadu
Phone: 9425216529
E-mail: lk Yadu.ce@nitrr.ac.in

Dr. Samir Bajpai
Phone: 9826167065
Email: sb@nitrr.ac.in

.....
<http://www.nitrr.ac.in>
.....

Registration Process:

Apply Online

<http://www.gian.iitkgp.ac.in/GREGN/index>