ABOUT INSTITUTE

Dr B R Ambedkar National Institute of Technology (NIT), Jalandhar (www.nitj.ac.in) was established in the year 1987 as the erstwhile Regional Engineering College. It was accorded the status of National Institute of Technology (NIT) in the year 2002 and since then,, it functions under the aegis of Ministry of Human Resource Development (MHRD), Government of India. It is the Institute of National Importance of the Government of India. The institute offers Bachelor of Technology (B. Tech.) programmes in nine disciplines of Engineering and Technology along with Post Graduate Programmes (M.Tech./ M.Sc./ M.B.A.) and the Research Programmes leading to Doctor of Philosophy (Ph.D.) under these different disciplines.

ABOUT DEPARTMENT

The Department of Civil Engineering is the oldest Department of the Institute, established in the year 1989. Being the oldest in the Institute the Department has encouraged and prepared the students for academic and industrial needs. Academic activities are enriched by frequent field visits, projects, seminars and workshops. Most of the students are placed in reputed construction companies and consultancy firms.

The Department has got exceptionally qualified faculty in various disciplines of Civil Engineering. Seven laboratories for the Core Subjects of Civil Engineering at UG level, two Research Laboratories -one in Structural Engineering and another in Geotechnical Engineering; and two computational laboratories (for UG and PG) have been standardised as per the norms specified by BIS and is well equipped with the state-of the-art-equipments, instruments and machineries.

The department actively offers testing and consultancy services and is proud to be associated with several projects of National Importance. Apart from this, the Department has completed several sponsored projects at the National and International levels.

The Department is active in organizing the Conferences/ Seminars/ Symposiums at the National and International Levels frequently. It also organizes the Continuing Education Programmes for the academicians, PG Students and Research Scholars. The academicians from the reputed institute and the experienced field professionals from the diverse spectrums of the field of Civil Engineering are invited as the resource persons.

ABOUT THE COURSE

This Short-Term Course has been organised by the Department of Civil Engineering of the NITJ for post graduate students, research scholars and faculty members. The course will be beneficial for understanding the basic concepts of the subject matter pursuant to the various themes as well as the applications of computational methods in structural and geotechnical engineering.

Completion of this course will be beneficial in understanding and applying computational methods and other modern numerical tools for modelling problems in structural mechanics, geotechnical problems under varying state and rate of loading. The STC is fundamentally important for computational science and approaches to characterize predict and simulate physical events using existing knowledge of laws of mechanics.

OBJECTIVE OF THE COURSE

The primary objective of this short-term course is to bring together all the stakeholders from Academia on one common platform. The STC will highlight modelling of success stories, both past and present. It will also focus on the challenges ahead to meet the material requirements for next generation. The STC will also help build linkages for collaboration in the development of futuristic modelling and technologies.

DST Sponsored

One Week Short Term Course

on

COMPUTATIONAL MODELLING: APPLICATIONS IN STRUCTURAL AND GEOMECHANICS PROBLEMS

JULY 9-13, 2019

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Convener

Dr. K. Senthil

Co-ordinators

Dr. H S Chore

Dr. S. Rupali

Organized By

Department of Civil Engineering
Dr B R Ambedkar National Institute of Technology
Jalandhar – 144011, Punjab

In association with
Science and Engineering Research Board (SERB)
Department of Science and Technology
Government of India, New Delhi

Science and Engineering Research Board (SERB)
Department of Science and Technology (DST)
Govt. of India

THEME OF THE COURSE

The theme of the Short-Term Course includes below but not limited to.

- Modelling and simulations of Structural Mechanics Problems
- Modelling of problems in Geo mechanics
- Analysis of structural materials against Impact and Blast loading
- Constitutive behaviour of composites, concrete and metallic materials
- Simulations on soil structure interaction problems
- Design and Modelling of Pile foundation and retaining structures

RESOURCE PERSONS

Prof. Deepankar Choudhury (*IIT Bombay)*
Prof. Puneet Mahajan (*IIT Delhi*)
Prof. Velmurugan (*IIT Madras*)
Prof. G.R. Dodagoudar (*IIT Madras*)
Prof. C. H. Solanki (*SVNIT Surat*)
Dr. M. A. Iqbal (*IIT Roorkee*)
Dr. V. A. Sawant (*IIT Roorkee*)
Dr. Neelima Satyam (*IIT Indore*)
Dr. Sourav Acharya (*AERB, Mumbai*)
Dr. Prince Sharma (*TBRL-DRDO, Chandigarh*)

HOW TO REACH NIT JALANDHAR

The Jalandhar city is accessible by railways and Roadways from major cities in different parts of the country. The Institute is located on Jalandhar – Amritsar Highway (NH-1) and is 12 km from Jalandhar Bus Terminal, 10 km from Jalandhar City Railway Station and 16 km from Jalandhar Cantonment Railway Station. The mode of conveyance in the form of Auto/ Share Auto/ Taxis (Ola) is available from the Bus Terminal and Railway Stations.

The nearest airport is Adampur (Jalandhar) located at distance of 25 km from the Institute. There is one flight being operated by *SpiceJet* from New Delhi (Terminal 2) to Jalandhar.

Other Major Airports are Amritsar (70 km), Chandigarh (163 km) and New Delhi (370 km) from which the flights are available on all major air routes.

REGISTRATION FEE

For Academicians and Industrialist: Rs. 800/-.
For Research Scholars and M. Tech Students: Rs. 500 /-

The Registration fee should be deposited by Online banking by 01st July 2019. The course is meant for 50 participants and the registration will be allowed on first come first basis'.

The particulars of the account for making payment of the Registration Fees will be updated soon. The registration fees will include course kit, refreshments and lunch. There is a limited accommodation available at the guest houses and hostels.
Accommodation, if required, will be arranged on request from the participants. However, they will be required to pay the charges for the accommodation separately.

The bank details are as follows
Account No: 2945101004072
Account Name: Computational Modelling 2019
IFSC COde: CNRB0002945

CONTACT DETAILS

Dr. K. Senthil
Dr. S. Rupali
Email**: cm2019@nitj.ac.in**
Email: **satavalekarr@nitj.ac.in**
Phone No. +91 8265999739

ORGANISING COMMITTEE

Prof A P Singh
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Dr. Shashikant Sharma

REGISTRATION FORM

DST SPONSORED
Short Term Course
on
"COMPUTATIONAL MODELLING: APPLICATIONS IN STRUCTURAL AND GEOMECHANICS PROBLEMS"

July 09-13, 2019

Name of Participant ……

Designation ……

Organization ……..

Mailing Address…….

…….....

……

Tel/Fax ……..

Mobile ……

Email …….

Bank and Branch: ……..

NEFT Details: .....

Date ……. Signature

(Photo copy of this form can be used for participation)