

## REGISTRATION FORM

Short Term Course  
On

### Application of Finite Element Analysis for Structural Design 5-9 Aug 2019

Name: \_\_\_\_\_

Designation: \_\_\_\_\_

Organization: \_\_\_\_\_

\_\_\_\_\_

Address \_\_\_\_\_

\_\_\_\_\_

Tel: \_\_\_\_\_

E- mail: \_\_\_\_\_

We would like to register/ sponsor the above candidate as a participant to the Short Term Course.

Please find enclosed herewith:

Cheque/Draft No: \_\_\_\_\_

Dated: \_\_\_\_\_

Amount (Rs.): \_\_\_\_\_

Drawn on Bank: \_\_\_\_\_

Date: \_\_\_\_\_ Signature

Seal

DD/Cheque should be drawn in favour of "Director, NITTTR, Chandigarh"

Last date of registration: 24.07.2019

## PARTICIPATION

The Course is intended for Consultants, Designers, Faculty, representatives from State and Central Government Departments like PWD, CPWD, Railways etc.

### REGISTRATION FEE

Industry: Rs 5000/- + GST

TEQIP Institute Faculty: Rs 5000/- + GST

There is no fee for faculty of engineering colleges and polytechnics.

Students: Rs 1500/- + GST

(Course fee includes course material, delegate kit, Tea and Working lunch.)

Stay arrangements can be made in the NITTTR campus upon request as per institute rules.

Information available on [www.nitttrchd.ac.in](http://www.nitttrchd.ac.in)

### VENUE

National Institute of Technical Teachers Training and Research, Sector 26, Chandigarh 160019

### Address for Correspondence & Coordinators

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Asst. Professor-Civil Engineering

NITTTR, Sector 26, Chandigarh 160019

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Short Term Course

On

### Application of Finite Element Analysis for Structural Design

5-9 Aug 2019

### ORGANISED BY:



**National Institute of Technical Teachers Training and Research (NITTTR)**

*(Ministry of Human Resource and Development)*

Sector 26,  
Chandigarh

&



**ITS – Integrated Technical Software Pty Ltd**

## ABOUT THE ORGANISATION

**NITTR, Chandigarh** has been established by Ministry of Human Resource Development, Government of India for the development of Technical Education. The institute has excellent laboratories, library, computer centre and modern reprographic and other production facilities. Apart from the PhD and ME programs, the institute offers short term courses in the areas of Civil, Mechanical, Electrical and Electronics Engineering, Educational Management, Entrepreneurship Development, Rural Development, Applied Science and Computer Science. Instructional material, curriculum development and consultancy services are also provided. The Civil Engineering Department offers a variety of professional level courses in areas like Soil, Environmental, Highway and Irrigation and Hydraulics, Structural Engineering, Software Applications etc. Civil Engineering laboratories in the relevant field are well equipped for carrying out laboratory and field experiments.

## ITS - Space Gass

We are "Integrated Technical Software", a privately-owned Australian Company operating for over 36 years. We love what we do each day and our Company name supports the fact that we have only one software application **SPACE GASS** (General Analysis of Structural Systems). Our customers in over 70 countries enjoy our intuitive and easy to use software that supports

structural engineers in achieving their structural analysis and design objectives. In 2016, we made a strategic decision to enter the Indian market. We have now made India our second home and number one priority after the Australian and New Zealand market. We also continue to support the future of our industry by investing in the next generation of undergraduates via our educational programs.

## OBJECTIVE AND SCOPE

In the last two decades, developments in the field of computer aided engineering have been quite extensive and have led to considerable benefits to structural engineering. In the building industry, use of advanced finite element tools has allowed the introduction of innovative and efficient building products and has also led to the development of accurate design methods and faster project completion times.

The objective of the proposed course is to develop understanding about general purpose structural analysis and design software, use of other tools such as BIM and 3D modeling in structural design. Finite Element package **SPACE GASS** shall be demonstrated and hands on practice will enable the participants to apply it successfully in practical structural design of reinforced concrete and steel structures.

## CONTENTS

- Concept of Finite Element Analysis and its application
- Importance of flexible general purpose structural analysis and design software to the structural engineers
- Modelling integration with other software tools such as BIM and 3D Modelling systems
- Overall capabilities of SPACE GASS structural analysis and design software
- Hands on sessions
- Project Assignment

## RESOURCE PERSONS

The faculty for this Course will be drawn from the Organizing Institutes and Experts from reputed universities, institutes and industry.