

*TEQIP Sponsored  
Short Term Training Programme on*

# **Limit State Design of Steel Structure**

**29 July - 02 Aug 2019**



*Co-ordinators*

**Dr. L M Gupta**  
*Professor*

**Dr. A Y Vyavahare**  
*Assistant Professor*

*Organised by*



**Department of Applied Mechanics**  
**Visvesvaraya National Institute of  
Technology, (V N I T) Nagpur - 440 010**

## **Introduction**

Structural Steel is one of the basic materials commonly used in industrial buildings, commercial complexes, multi - level car parks, stadiums, bridges etc. It is the strongest and the most versatile material available to the construction industry. Out of the total steel produced, construction sector consumes a major share. In fact, structural steel is the material of choice for construction projects in developed countries.

The Bureau of Indian Standards (BIS) has released IS 800: 2007 (Third Revision), which has become effective superseding the old IS 800: 1984, which was in use by the practicing Engineers, academicians and researchers. The practicing Engineers will be required to learn its use immediately while in Engineering Colleges, it is necessary to incorporate the revised code in academics.

## **Objectives**

This short-term training programme specially planned for the Teachers, Students of the Engineering Colleges, and Professionals to familiarize them with the clauses of IS 800:2007. It will cover the basic concepts of Limit State Design with suitable examples.

## **Contents**

- Design philosophy of Limit State Method of Design,
- Design of Industrial Shed, Design of Beam, Plate Girder, Beam-column, and Connections,
- Special topics - Hybrid Plate-girder, Beams with Opening, Composite Construction, Pre-stressed Steel Structure, Earthquake Resistant Design of Steel Structure.

## **Eligibility**

Practicing engineers, academicians, and professionals from various private, public and Government organisations with minimum qualification of Bachelor's degree in Civil Engineering are eligible for participation. Preference will be given to teachers from Engineering Colleges and those pursuing Master's degree in Structural Engineering.

## **Registration**

Registration fee for Participants from Academic Institute : NIL

Registration fee Participants from Industry : Rs 2500/-

Interested candidates should fill up the application form attached with this brochure and send with the registration fee in the form of demand draft in favour of Director, VNIT payable at Nagpur. The number of participants is restricted to sixty only.

## **Selection Information**

Please mail the application form along with the registration fee and sponsorship certificate so as to reach the coordinator on or before 15th July 2019. Information about the selection for the course will be communicated to the participants.

## **Accommodation**

Accommodation in the guesthouse is limited and will be made available to the registered participants on first come first served basis on payment basis.

## **About Nagpur**

The city of Nagpur, popularly known as Orange City is located at geographic center of India and is among the top five green cities of the country. It is the second capital of Maharashtra with a population of more than 25 lakhs. The city is well connected to other parts of country by Train/Bus and Air.

## **About VNIT Nagpur**

Visvesvaraya National Institute of Technology is named in the memory of Bharat Ratna Shri Mokshgundam Visvesvaraya, the celebrated Civil Engineer – Planner – Statesman of the country. Earlier known as Visvesvaraya Regional College of Engineering, this college is among the first few REC's which have been accorded the status of National Institute. The college campus is located near Ambazari gardens in an area of 266 Acres. The distance of campus from Railway station/Bus station is 8 km and from airport, its distance is 10 km.

## **Web Transmission**

This course is also being transmitted through web-link to Samrat Ashok Technological Institute, Videsha (SATI, Vidhisha MP).

Interested candidate who want to attend the webcast at SATI Vidisha can contact Mr. Bharat Singh Chauhan, Assistant Professor, Department of Civil Engineering, SATI, Vidisha. Mobile No. 7253046144 for further details.

## APPLICATION FORM

TEQIP Sponsored Short Term Training Programme on

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

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

Organisation : \_\_\_\_\_

Mailing Address : \_\_\_\_\_

: \_\_\_\_\_

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

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

Educational Qualification: \_\_\_\_\_

Experience: \_\_\_\_\_

\_\_\_\_\_

I am enclosing herewith Demand Draft No. \_\_\_\_\_

\_\_\_\_\_ Dated \_\_\_\_\_ of Rs \_\_\_\_\_

Drawn in favour of Director, VNIT, Nagpur.

Date:

Signature of Applicant

### Address for Correspondence

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*Professor*

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