

Short Term Course
on
Limit State Design of Steel Structures
(LSDSS-2015)



16 October- 20 October,2015



Department of Civil Engineering
Motilal Nehru National Institute of
Technology Allahabad
Allahabad-211004, India.

ORGANIZING COMMITTEE

Patron

Prof. P. Chakrabarti
Director, MNNIT Allahabad

Chairman

Prof. A. K. Singh
Head, Civil Engg. Dept., MNNIT Allahabad

Convener

Prof. A. K. Sachan
Civil Engineering Department, MNNIT Allahabad

Coordinator & Treasurer

Prof. S. K. Duggal
Civil Engineering Department, MNNIT Allahabad

Co-coordinators

Dr. Rakesh Kumar & Dr. Kumar Pallav
Civil Engineering Department, MNNIT Allahabad

ADVISORY COMMITTEE

All Professors of Civil Engineering Department

EXPERTS

Various and eminent experts in the area will be invited
from IITs, NITs.

REGISTRATION FEES

Professional : 5000/-
Faculty : 4000/-
Students : 3000/-

The registration fee of selected participant must be paid by
DD/Multicity cheque/ NEFT /Internet banking:
DD/Multicity cheque in favour of "LSDSS-2015" payable at
Allahabad

NEFT/Internet banking : Account name – LSDSS 2015
IFSC – VIJB0007184, Account no. – 718400301000179
Vijaya bank, MNNIT Allahabad, Branch code: 007184

Registration fee includes Lunch, Refreshment & Course kit
only.

ACCOMODATION

Assistance may be provided on request for accommodation
at Executive Development Centre MNNIT Allahabad for
professionals and faculties on payment basis.

IMPORTANT DATES

Last Date of receipt of Application: 06^h Oct. 2015

Notification for selection: 10^h Oct. 2015

REGISTRATION FORM (LSDSS-2015)

Name (block letter):
Designation:
Organization:
Address:
.....
.....

E-mail:
Phone: (O) (M).....
Fax:

Registration Fee:

Amount:..... DD No.:.....
Bank:Date:

Accommodation Required: YES/NO

If yes, please write to the Coordinator for details.

Date: Signature of Applicant

Date: Signature
Head of Department/Institution

Interested person(s) should send the completed
Registration form accompanied by Demand
Draft/ Multicity cheque/ NEFT /Internet banking details to:

Prof. S. K. Duggal
Coordinator, LSDSS-2015
Department of Civil Engineering
Motilal Nehru National Institute of Technology Allahabad
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Contact LSDSS-2015

Email at : lsdss2015@gmail.com

Helpline : 09793377801/9044529609

BACKGROUND

Now a days steel is one of the essential structural material that plays a vital role in construction industry. Earlier IS 800 : 1984 the code of practice, based on WSD, was used for steel structure design. Since the safety was ensured through factors which were dependent on engineering judgment and had no rational basis, there was a need to develop some other method on rational basis. IS 800 : 2007 based on LSD was published in 2007. Because of the complexities involved and the difficulties faced by the course instructors, students and practicing engineers, it is felt necessary to introduce the concepts behind the Limit State Design Philosophy to the stake holders.

Course Content

- Concepts involved
- Design Philosophies
- Loads and its Combination
- Connections (Bolted and Welded)
- Tension Members
- Compression Members
- Flexural Members

About Civil Engineering Department

The Department of Civil Engineering was established in 1961. The initial intake of the students was 30. The first head of the Department of Civil Engineering was Dr. S.C. Jain. The Department began teaching with 5 faculty members. In subsequent years, the intake of Civil Engineering students was increased to 70. The M.Tech. Programme in the department began in

1970 on a regular basis in the streams of (1) Structural Engineering and (2) Soil Mechanics & Foundation Engineering. At present five M.Tech. programmes are running in the Department viz. (1) Structural Engineering, (2) Geotechnical Engineering, (3) Transportation Engineering (4) Environmental Engineering and (5) Geo-environmental Engineering. During its journey of development, many M.Tech. programmes were added and several new laboratories were developed. The department was also recognized as QIP centre for M.Tech. and Ph.D.

The present sanctioned faculty strength is 36. The present sanctioned intake of B.Tech. is 100 and M.Tech. students is 100. Also the present Ph.D. (Full Time Regular) intake of the students is 3 per year.

About MNNIT Allahabad

Motilal Nehru National Institute of Technology Allahabad, Allahabad (MNNIT) is an Institute with total commitment to quality and excellence in academic pursuits. It was established as one of the seventeen Regional Engineering Colleges of India in the year 1961 as a joint enterprise of Government of India and Government of Uttar Pradesh, and was an associated college of University of Allahabad, which is the third oldest university in India. With over 45 years of experience and achievements in the field of technical education, having traversed a long way, on June 26, 2002 MNREC was transformed into National Institute of Technology and Deemed University, fully funded by Government of India. With the enactment of National Institutes of Technology Act-2007, the Institute has been granted the status of

Institution of National Importance w.e.f. 15.08.2007. The Institute had begun with offering Bachelor Degree Programmes in Civil, Electrical and Mechanical Engineering. It was the first in the country to start an undergraduate programme in Computer Science & Engineering in 1976-77. Subsequently, Undergraduate Programmes in Electronics Engineering, Production & Industrial Engineering, Chemical Engineering and Biotechnology were started. The first Master's Programme of the Institute was introduced by the Mechanical Engineering Department in the year 1966. In all other Engineering Departments, Master's Programmes were introduced in 1970-71. To add a new dimension to itself, the Institute established School of Management Studies in 1996, which offers a two year (four semester) Post Graduate Degree Programme (MBA).

The Institute was selected as a lead institution in the Design theme under Indo-UK REC Project (1994-99). Under this scheme, a Design Centre was established. The Institute has been selected as a Lead Institution under World Bank funded Government of India Project on Technical Education Quality Improvement Programme (TEQIP) (2002-2007). Two state level institutions are networked with MNNIT under the project.

How To Reach MNNIT Allahabad

Allahabad city is well connected with Air, Rail and road transport to other parts of India. Daily trains, buses and flights are available from major cities in India. Domestic airport Bamrauli, is 20 km from the venue and railway station is 8 km.