



BITS Pilani
Pilani Campus

US INDIA EDUCATION FOUNDATION (USIEF)



Virtual Workshop cum e-certification program on

ADVANCED ANALYSIS AND DESIGN OF STEEL STRUCTURES

DECEMBER 13-15, 2022

ABOUT BITS PILANI

Birla Institute of Technology & Science (BITS), Pilani a leading Institute of Higher Education and deemed to be a University under section 3 of the UGC act offering degree programs in Engineering, Sciences, Technology, Pharmacy, Management, and Humanities. BITS Pilani campus at Pilani (Rajasthan) was set up in technical collaboration with MIT (USA), under the Ford Foundation Grant and later was deemed to be a university in 1964. It is spread over 328 acres, the campus is self-contained, and houses all the amenities and buildings that befit an institute of international standards. The programs are fully residential with 11 hostels for boys and one hostel complex for girls. Around 4500 students live on campus along with 350 faculty members, their family and a vast pool of support staffs. An intellectual powerhouse, the campus has successfully attracted healthy amounts of research funding from government grants and private bodies. The research facilities are wide-ranging, with a number of laboratories focused on all aspects of science, engineering, and technology.

ABOUT THE WORKSHOP:

This workshop is a part of a collaborative research project between Birla Institute of Technology & Science (BITS) Pilani, Rajasthan India and US India Education Foundation, organized under the aegis of Partnership 2020: US-India Higher Education Cooperation Grants.

This three-day workshop aims at presentations and deliberations on the advancement in the analysis and design of steel structures. Multiple important topic such as fire resistance, fatigue strength, stability analysis will be touched upon during this e-certification program along with numerical examples to support the theory. Emphasis will be on making full use of composite construction to achieve cost effective and high performing structures, including those in industrial structures. Therefore, researchers and the practicing engineers working in the broad field of design of civil infrastructures can significantly gain by keeping abreast of the latest trends and developments in the field of steel structures for design of high performance structural systems.

THEMES

- Design for fire resistance
- Design for fatigue strength
- Design of composite beams
- Design of composite columns
- Design of plate girders and gantry girders
- Design and Analysis of Beam Columns

IMPORTANT DATES

| | | |
|-------------------------------------|---|---------------------------------|
| Last date to register for workshop: | → | December 5 th , 2022 |
| Workshop date: | → | December 13-15, 2022 |

REGISTRATION FEES

| | Indian Nationals | International |
|--------------------------|------------------|---------------|
| Faculty & Ph.D. Scholars | ₹1,000 | US\$100 |
| UG & PG Students | ₹500 | US\$50 |
| Industry professionals | ₹2,000 | US\$200 |
| | GST extra | |

IN ASSOCIATION WITH



STRUCTURAL
ENGINEERING
INSTITUTE
GRADUATE
STUDENT
CHAPTER
(BITS PILANI)



OFFICIAL LANGUAGE

English will be the official language of the conference.

AN APPEAL TO THE PROSPECTIVE SPONSORS

Private, semi-Government and Government organizations involved with manufacturing, construction, consultancy, R&D and other areas related to Concrete, Steel, Structural and Geotechnical Engineering are requested to sponsor, co-sponsor or support US India Education Foundation Workshop. Details of sponsorship are provided below.

| Category | Sponsorship amount | Entitlement |
|------------------|--------------------|------------------|
| Platinum Sponsor | Rs. 2,00,000 | 4 free delegates |
| Gold Sponsor | Rs. 1,00,000 | 2 free delegates |
| Silver Sponsor | Rs. 50,000 | 1 free delegates |
| Other Sponsor | Rs. 30,000 | 1 free delegate |

Names of organizations in any one of the above categories will appear on the workshop website & proceedings and their contributions would be duly acknowledged. Additionally, they would have the freedom to present during the one of the sessions. Organizations willing to come forward and financially support this international workshop are requested to get in touch with workshop coordinators.

LEADERSHIP

Prof. (Dr.) Souvik Bhattacharyya
Vice-Chancellor, BITS Pilani

WORKSHOP CO-ORDINATORS

- **Prof. SHAMSHER BAHADUR SINGH**
Senior Professor, Department of Civil Engineering
BITS Pilani- Pilani campus
- **Prof. SUDHIRKUMAR BARAI**
Senior Professor & Director, BITS Pilani – Pilani campus

FULBRIGHT CHIEF GUEST FACULTY: **PROF. VENKATESH P. KODUR**

For Further Details

Prof. Shamsheer Bahadur Singh; E-Mail id: sbsingh@pilani.bits-pilani.ac.in

WORKSHOP WEBSITE AND REGISTRATION LINK:

The information will get updated periodically and will be accessible through the following

website: <https://www.bits-pilani.ac.in/Pilani/USIEF/Home>

The link to register for the workshop is available on the workshop website.

BANK DETAILS:

| | |
|--------------------|---|
| Beneficiary Name : | Birla Institute of Technology & Science, Pilani |
| IFSC CODE No. | UTIB0001188 |
| Bank Account No. | 918010089946355 |
| Bank | AXIS BANK LTD |
| City Branch | PILANI |
| MICR No. | 333211177 |

Organized by
Department of **Civil Engineering**
BITS Pilani - Pilani Campus

