

About Jadavpur University (JU):

Jadavpur University is a State University founded on 24 December 1955 under the Jadavpur University Act (West Bengal Act XXXIII of 1955). Originating in the anti-colonial National Council of Education, Bengal (1906) to "achieve self-reliance through the empowerment of youth by imparting the best of global knowledge, technical education, and awareness of social, cultural, political, economic realities of the state, the nation and the world" the university has consistently set new frontiers in science, technology, humanities and social science innovation and outreach; it has provided research and policy support for state and national governments and international bodies, and conventional and non-conventional technological development for society at large, including both established industries and disadvantaged groups, through innovation and adaptation. The University has been recognized by the UGC, under sections 2(b) & 12(f). Further, it has affiliation with AICTE. This Institute is accredited by NAAC with the Grade as A+ (2024-29). The NIRF Ranking of this University in the year 2025, was, in different categories, such as, State Public University Category: 1st; University Category: 9th; Engineering Category: 18th; and Overall Category: 18th.

About the Department:

The Department of Construction Engineering was established in 1989, in the second campus of the Jadavpur University, Salt Lake. The primary aim of the Department is to impart application-oriented education to Under Graduate and Post Graduate students to equip them of Construction Engineering of Civil Structures. Most of the basic subjects of Civil Engineering including Engineering Mechanics, Engineering Drawing, Strength of Materials, Analysis & Design of Steel & Concrete Structures (including Computer Application), Soil Mechanics & Foundation Engineering, Construction Management, Concrete Technology, along-with Construction Process, Plants & Equipments, Precast & Prestressed Concrete, Repair & Rehabilitation of Structures etc. are being offered to the students. The Department has started Master Degree for the professionals, with specialization in "Structural Repair & Retrofit Engineering" since 2011, where, repair material, techniques, health assessment, earthquake engineering, seismic evaluation & retrofit are the primary subjects.

Objective of this Workshop:

The seminar aims to provide participants with a comprehensive understanding of the proposed IS 1893:2025 based on advancement in earthquake-resistant design, Geotechnical Earthquake Engineering, seismic retrofit and structural control. The advancement in earthquake engineering with evolving principles of seismic hazard assessment, structural response, dynamic analysis, ductile detailing, and other approaches incorporated in the proposed standard. Seismic evaluation and strengthening of existing and vulnerable structures, recognizing the increasing need to reduce seismic risk in ageing infrastructure and improvement of structural resilience will be attempted. The seminar further aims to bridge the gap between code provisions, contemporary research, and engineering practice by facilitating interaction among academicians, researchers, structural engineers, consultants, and practicing professionals. It will provide a platform to deliberate on technical implications, practical challenges, and opportunities arising from the proposed revisions, including their application to structural design, assessment, and seismic retrofit.

Resource Persons:

Dr. Rupen Goswami

Professor, Department of Civil Engineering, Indian Institute of Technology Madras; and Active member of CED 39 (IS: 1893).

Dr. Nirjhar Dhang

Professor & Former Head of the Department, Department of Civil Engineering, Indian Institute of Technology Kharagpur, West Bengal.

Dr. Debasis Roy

Professor, Department of Civil Engineering, Indian Institute of Technology Kharagpur, West Bengal.

Dr. Aparna Dey Ghosh

Professor & Dean, Indian Institute of Engineering Science and Technology, Shibpur, West Bengal.

Tentative Programme Schedule:

Date: 14-08-2026	
10:00 – 10:30	Registration
10:30 – 11:15	Inaugural Session
11:15 – 11:30	Tea Break
11:30 – 12:30	Overview of proposed IS 1893: 2025 by Prof. Rupen Goswami, IIT Madras
12:30 – 13:45	A Comprehensive Study of IS 1893: 2016 and IS 1893: 2025 by Prof. Nirjhar Dhang, IIT Kharagpur
13:45 – 14:30	Lunch
14:30 – 15:45	Advances of Geotechnical Earthquake Engineering by Prof. Debasis Roy, IIT Kharagpur
15:45 – 16:00	Tea Break
16:00 – 17:15	Structural Control for Seismic Retrofit by Prof. Aparna Dey Ghosh, IEST Shibpur
17:15 – 17:45	Valedictory Session

Eligibility for Participation:

- Faculty Members
- Ph.D. Research Scholars
- Industry Professionals/Participants
- UG and PG Students

Expected Knowledge Gain/ Outcome of the Seminar:

Participants will gain enhanced knowledge and practical insights into the proposed IS 1893:2025, including its evolving approaches towards seismic hazard assessment, structural analysis, earthquake-resistant design, and seismic performance evaluation. The seminar is expected to strengthen their understanding of the implications of the proposed provisions for the design, assessment, structural control and seismic retrofit of existing and vulnerable structures. It will facilitate interaction among researchers, structural engineers, academicians, consultants, and practicing professionals, enabling exchange of contemporary knowledge, technical experience, and innovative approaches in earthquake engineering. The seminar will also promote a better understanding of the challenges involved in translating advances in seismic research and code provisions into practical engineering applications. Ultimately, it will contribute to developing technically informed professionals capable of adopting appropriate seismic assessment and strengthening strategies and promoting safer, resilient, and earthquake-resistant infrastructure in India.



National Seminar on

“Proposed IS: 1893, 2025 towards Advancement of Earthquake Engineering & Seismic Retrofit”

Supported by **RUSA 2.0, JU**
on **14th August 2026**

VENUE: Seminar Hall of

Department of Construction Engineering,
Jadavpur University, Kolkata 700106

Organised by:

Department of Construction Engineering
Jadavpur University, Kolkata 700106, INDIA

Coordinator: [Prof. Debasish Bandyopadhyay](mailto:debasish.bandyopadhyay@jadavpuruniversity.in)

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Joint Coordinator: **Prof. Partha Ghosh**

Application Deadline through Google Form (only):
up to 09.00 PM, August 12, 2026

NO REGISTRATION FEE

(Registration through Google Link is Compulsory)

Link for Registration:

<https://forms.gle/uDxt5eJnJr7HeYCU8>

Limited seats are available.

Supported by  **SEISMIC
ACADEMY**

For Clarification/further information, if any, should be contacted to

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