

Five Day Online Short-Term Course
on
**“Advances in Structural Engineering
and Materials”**
(Sponsored by TEQIP-III)

(15th February - 19th February, 2021)

Organized by



**Department of Civil Engineering
National Institute of Technology
Srinagar, J&K - 190006
and
TEQIP - III**

ELIGIBILITY:

This program is open to faculty members, research scholars, PG and UG students, and industrial personnel.

REGISTRATION:

Registration Fee:

UG Students: Rs. 110/-

PG/Ph.D. Students: Rs. 210/-

Faculty: Rs. 510/-

Industry Personnel: Rs. 2110/-

Mode of Payment: Online

Account Name: TEQIP-III

Account No: 0391040100011025

Bank: J&K Bank

Branch: REC Srinagar

IFS Code: JAKA0RECSGR (0 is zero)

ONLINE REGISTRATION LINK

<https://forms.gle/hKL2cdFJNLuTmEy87>

Last Date of Registration

10 - FEB. - 2021

Certification:

E-Certificate will be provided to all the participants having at least 80% attendance.

ABOUT THE INSTITUTE

National Institute of Technology Srinagar was established in 1960 as the Regional Engineering College, Srinagar. The institute acquired the status of NIT in August 2003 and attained full autonomy in its Academics. In 2007, it became an institute of National Importance. It is one of the 31 NITs and is directly under the control of MHRD now the Ministry of Education. The institute is situated at the banks of the world-famous Dal Lake. Besides running various undergraduate, postgraduate and doctoral programs, the institute has also established an Innovation Incubation and Entrepreneurship Development (IIED) Center.

ABOUT THE DEPARTMENT

The Department of Civil Engineering was established in the year 1960 and is among the oldest departments in the institute. The Department runs one undergraduate programme leading to a Bachelor of Technology (B.Tech) Degree in Civil Engineering, four postgraduate programmes leading to a Masters of Technology (M.Tech) degree in Structural Engineering, Geotechnical Engineering, Water Resources Engineering and Transportation Engineering and Planning. The Department also runs a Ph.D programme. The Department has experienced and distinguished faculty with all of them having Ph.D. from renowned institutes from India and abroad. There are well-equipped well laboratories in the Department catering to the needs of the students. A number of students are recruited by various organizations including Public Sector Undertakings such as Power Grid Corporation of India, L&T India, Simplex Infrastructures Ltd. Indian Oil, Bharat Petroleum, Bharat Heavy Electricals Ltd. to mention a few.

CONTACT:

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ABOUT THE COURSE

The primary aim of this e-STC is to enhance the research and professional competency of the research scholars, PG students, and faculty members in the field of structural engineering. The course will promote interaction with professionals working in specific areas of research in leading Academic Institutions and Research Labs. Also, exposure will be provided to the attendees from renowned speakers on the latest developments in structural engineering and materials.

This program will bring a positive transformation among the faculty members, research scholars, and participants from industry towards research work, and enable the participants to develop competence in understanding recent advances in the proposed topic of the course.

ORGANIZING COMMITTEE

PATRON

Prof. (Dr.) Rakesh Sehgal

Director, NIT Srinagar

CO-PATRON

Prof. M. F. Wani

Coordinator, TEQIP-III, NIT Srinagar

CONVENOR

Prof. M. A. Ahangar

Professor and Head, CED, NIT Srinagar

COORDINATORS

Prof. J. A. Bhat

Professor, CED, NIT Srinagar

Dr. S. A. Waseem

Assistant Professor, CED, NIT Srinagar

Dr. F. A. Sofi

Assistant Professor, CED, NIT Srinagar

SPEAKERS



Dr. Rafat Siddique
Professor,
Thapar University

(Sustainable Materials, Durability of Concrete, Self-healing concrete, cement-based materials)



Dr. Devdas Menon
Professor,
IIT Madras

(Structural Analysis, dynamics, and stability, Reinforced and pre-stressed concrete design, Structural reliability, Wind and earthquake engineering)



Dr. Yogendra Singh
Professor,
IIT Roorkee

(Performance Based Seismic Design, Performance Based Design of Buildings and Bridges, Seismic Response Evaluation of Structures, Non-Linear Modelling and Analysis of RC Structures)



Dr. Umesh Kumar Sharma
Professor,
IIT Roorkee

(Structural Fire Engineering, Concrete at Elevated Temperatures, Durability and Service Life of Reinforced Concrete, Influence of Corrosion on Structural Performance)



Dr. Arnab Banerjee
Assistant Professor,
IIT Delhi

(Passive and active control of structures, Low-frequency acoustic insulation, Mechanical Metamaterials, Auxetic shock absorbers, development of Renewable energy sources)



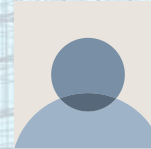
Dr. Souvik Chakraborty
Assistant Professor,
IIT Dehli

(Computational Mechanics, Reliability Analysis, Reduced order models, Digital Twin)



Dr. Ravi Sinha
Professor,
IIT Bombay

(Dynamic Behaviour Of Structures And Equipment Earthquake Resistant Design And Vulnerability Evaluation Of Structures And Facilities)



Dr. Kamatchi Palaniyandi
Principal Scientist,
CSIR-SERC CHENNAI

(Earthquake engineering, Artificial Neural Network, Creep of concrete)



Dr. Sudib Kumar Mishra
Associate Professor,
IIT Kanpur

(Structural Dynamics and Vibration, Structural Health Monitoring, Probabilistic Safety Assessment, Instability in Structures)



Dr. Sandeep Chaudhary
Associate Professor,
IIT Indore

(Steel-concrete Composite Structures, Strength, Durability and Microstructure of Sustainable and Functionally Graded Concrete)