

Two Week High End Workshop

ON

Seismic Assessment and Rehabilitation of Structures (SARS)-2022

December 19-31, 2022

Funded By



Science and Engineering Research Board (SERB) under 'KARYASHALA' ABHYAAS Program Accelerate Vigyan Scheme

Organized By



Department of Civil Engineering
S.V. National Institute of Technology
Surat – 395 007 (Gujarat)-INDIA
www.svnit.ac.in

Contact Persons

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Resource Persons of the HEW SARS-2022

Faculties from SVNIT, Surat & guest faculty members from NITs, IITs, Govt./Private institutions and practicing structural engineers will be invited to delivering the lectures.

Venue of the HEW SARS-2022

Advanced Research Center (ARC), 2nd Floor, Room No. 206 in the Department of Civil Engineering, SVNIT, Surat.

All the communication related to SARS-2022 should be made on this Email: sars.svnit.serb@gmail.com

Content of the SARS-2022

- Seismic assessment of Buildings and Bridges
- Assessment of fire damaged RC structures
- Forensic investigation of RC structures
- Condition assessment of civil structures including field and laboratory studies using state-of-the-art equipment's
- Earthquake Disasters and resilience techniques
- In-situ quality assessment, durability investigation and residual life assessment of concrete structures
- Deterioration of concrete due to carbonation attack
- Condition assessment of RC bridges: current practice and research challenges
- Destructive and non-destructive techniques

Target Audience

Motivated Doctoral & Master's students in structural & civil engineering or allied disciplines from Tier-I, Tier-II & Tier-III level institutes as defined under the 'Accelerate Vigyan' scheme of DST-SERB.

Objectives of the HEW

- As desired by DST-SERB 'KARYASHALA', the course is intended towards "Abhyaas" mission.
- The purpose of the FDP is to provide fundamental and practical knowledge on seismic assessment of structures, repair and strengthening techniques to faculty, engineers and practitioners.
- This will include the assessment of materials, elements and systems; selection & implementation of repair strengthening methods.

About Department of Civil Engineering

The Department of Civil Engineering came into existence in the year of 1961. It offers expertise in the fields of structural, geotechnical, transportation, environmental, urban planning and water resources engineering. The department has 42 highly qualified and dedicated faculty members with the diverse expertise in structural, geotechnical, transportation, environmental, water resources engineering and urban planning. The department offers an undergraduate degree in civil engineering and seven postgraduate and PhD degrees in civil engineering. The department is a pioneer and leader to carry out testing and challenging consultancy work in the fields of Civil and Structural Engineering as well as Geotechnical Engineering.

About SVNIT, Surat

This Institute was established in the year of 1961 by the Parliament of India as Sardar Vallabhbhai Regional College of Engineering & Technology (SVRCET), Surat to Sardar Vallabhbhai National Institute of Technology (SVNIT), Surat with status of "Deemed University" with effect from 4th December 2002. The Institute has been granted the status of '**Institute of National Importance**' w.e.f. Aug. 15, 2007 by the Parliament of India.

In 1961, SVRCET was imparting technical education in Civil, Mechanical and Electrical Engineering. In the year of 1983-84, the Under Graduate (UG) program in Electronics Engineering was introduced and in the year of 1988-89, the UG program in Computer Engineering and Production Engineering was started. In the year of 1995-96, UG program in Chemical Engineering was introduced. At present, the Institute is offering Six UG Programs, Eighteen Postgraduate (PG) Programs and Three Five-Years Integrated Master of Science (M.Sc.) Program in Chemistry, Physics and Mathematics, including doctoral programme in all these disciplines.

About Surat City

Surat city is situated on the bank of river Tapi, and high-ranking industrial city of the country with a strong network of roads & flyovers. It is well known worldwide for textiles, zari & diamond industries. Several large-scale industries and establishment are located in the vicinity of the city. The city is situated on the main western railway route between Vadodara and Mumbai. The institute is located at a distance of about 10 Km from Surat railway station.

Salient Features of HEW on SARS-2022

- Understanding the seismic risk and vulnerability
- Review of techniques for repair and rehabilitation of structures.
- Importance of seismic assessment and resilience techniques.
- Review of novel materials for strengthening of RCC structures

Important Dates

Last Date of Registration: **December 10th, 2022**

Notification to selected participants: **December 12th, 2022**

Two Week High End Workshop Dates:
December 19 to December 31, 2022

Accommodation, Travel and Food

The accommodation to only 25 selected participants will be provided at Narmad Bhavan (SVNIT Guest house) through SERB funding support during the workshop.

The travel and food will be borne by SVNIT, Surat only for 25 selected participants through SERB funding support.

Registration & Guidelines

- The course will be completely **free of cost** for the shortlisted participants.
- **The participants will be limited to 25 candidates for this high end workshop (as per SERB norms).**
- The program is mean to support motivated **PG and PhD students** who are having a strong willingness to get excellence in their **scientific and engineering** research pursuit, **and do not have such high-end facilities in their own institution in the country.**
- The applicants shall produce **an endorsement letter from their Head of the Department** indicating their enrolment with the institute for permitting to undergo training in the workshop if selected.
- **Active participation in lectures and discussion /interaction sessions along with a basic level evaluation will be mandatory to produce the KARYASHALA Course Completion Certificate.**
- As per SERB guidelines, mandatory anonymous course feedback shall be taken in the stipulated format.
- SVNIT reserves the right to devise a well-defined shortlisting criterion for selection of candidates based on the basic eligibility criteria laid out by SERB and as per formulated guidelines for this high end workshop.
- Interested person may apply on prescribed application form scan it and upload to register through this link: <https://forms.gle/68uJrxQ7N9XYsfrd8> OR **Scan QR Code**



Online Registration Link:

Endorsement from the Organization

Two Week High End Workshop

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**Department of Civil Engineering
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Surat – 395 007 (Gujarat)-INDIA www.svnit.ac.in**

Name :

Qualifications :

Organization :

Designation :

Email Address :

Mobile No. :

WhatsApp No. :

CV Attached : YES/NO

Signature of Applicant

This is to certify that _____
is a student/employee of our Institute/University and is permitted to attend the **Two Week High End Workshop** on “**Seismic Assessment and Rehabilitation of Structures (SARS)-2022**” to be held in the Department of Civil Engineering (DoCE) at SVNIT, Surat during **December 19-31, 2022** under SERB 'KARYASHALA' ABHYAAS Program Accelerate Vigyan Scheme.



**Signature of authority
with official seal**

<https://forms.gle/68uJrxQ7N9XYsfrd8> OR Scan QR Code

Note: This registration form should be attached during online registration. [Registration Link:](#)