



Advanced Course on “Forensic Insight for Evaluation of Distressed Concrete Structures and its Remedial Measures”

(FIRM-24)

28-30 August 2024



Organised by
CSIR-Structural Engineering Research Centre
(An ISO 9001-2015 certified Organization)
CSIR Campus, Taramani,
Chennai – 600 113, India

CSIR-Structural Engineering Research Centre

CSIR-Structural Engineering Research Centre (CSIR-SERC), Chennai, under the Council of Scientific Industrial Research (CSIR), India has built up excellent facilities and expertise for the analysis, design and testing of structures and structural components. Services of CSIR-SERC are being extensively used by the Central & State governments, public undertakings and private sectors. The Centre is recognized at the national and international levels as a leading research institution in the field of Structural Engineering. CSIR-SERC is conducting a skill development programme with the motive of improving the skill level of the professional workforce for the Industrial/societal requirements as a part of the skill initiative programme of CSIR.

About the Course

The course aimed to provide knowledge about forensic insights of distressed concrete structures and the scientific understanding towards healthy concrete construction practices. Forensic evaluation provides detailed investigation methods to identify structural deficiencies and their causes. Structures experience damage and distress before reaching their designed service life due to various uncertainties which require repairs for safe operation. Advanced Non-Destructive and Partial-Destructive test methods identify the structural deficiencies. The insights gained are helpful in formulating effective repair strategies to restore structural integrity to extend the lifespan of affected concrete structures.

Course Content

The course will cover the present state-of-the-art knowledge in the related theme and deal with practical aspects of forensic analysis & remedial measures. The scientists of the centre will present the R&D work of CSIR-SERC highlighting the research work carried out in respect of quality concreting approaches, the analysis of distressed structures and the methodology formulated for condition assessment and service life prediction. The participants will be exposed to the recent advancements in PDT & NDT methods, materials and techniques used for quality concreting and methods for the rehabilitation of distressed concrete structures.

Venue & Duration

Training and Development Complex (TDC), CSIR-SERC, Chennai from 28-30 August 2024. Time: 10.00 am - 5.00 pm IST

Course Fee & Registration

The registration fee for the course is Rs.3000/- per participant for Indian delegates, Rs.1500/- per participant for students (with proper authentication), and US \$ 450/- for foreign delegates. Presentation material (pdf format) shall be provided to all the registered participants. The registration can be completed using the given link: <https://serc.res.in/course>. Fill in all the details, and pay the registration fee by clicking the SBI collect. **Enter the payment transaction ref. number in the registration form and click the submit button.**

“Certificate will be issued to all registered participants”

Boarding & Lodging

- The participants/ or their sponsoring organizations must bear travel, boarding & lodging expenses.
- Limited accommodation in the guest house/trainee hostel at the CSIR-SERC campus may be arranged on a payment basis, on a first-come-first-served basis.

Prerequisites

The course registrants can ensure adequate knowledge on the background to course contents through academic qualifications/ working experience to fully exploit the benefits of attending advanced courses.

Scan here to see the Promo Video



For further details, contact course co-ordinators

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