



**National Institute of Technology Tiruchirappalli**  
**Department of Civil Engineering**  
**Anusandhan National Research Foundation (ANRF)**



*sponsored two-day workshop on*  
**Rapid, Earthquake-Resilient Green Building using CFS-Concrete Composite**  
*Under Scientific Social Responsibility (SSR) Policy*  
**11<sup>th</sup> and 12<sup>th</sup> June 2026**

**About ANRF SSR Policy:**

ANRF has adopted the SSR Policy to promote a culture of social commitment among its grantees. The policy aims to effectively utilise the scientific expertise and research infrastructure of ANRF-supported projects for the benefit of the wider science and technology community, particularly under-resourced researchers and society. Key SSR activities include sharing of research facilities, mentoring young faculty and researchers, fostering a strong research culture among students and academia, and promoting public outreach and knowledge dissemination. These initiatives are designed to be minimal, focused, and well-integrated with the grantees' core research activities. Through such collective efforts, the SSR policy envisions the development of a vibrant and inclusive research ecosystem that integrates scientific excellence with societal responsibility. This workshop is organised as part of the SSR initiative under the ANRF project (File No: CRG / 2022/007518 ).

**About the Institute:**

The National Institute of Technology Tiruchirappalli (NITT), formerly known as Regional Engineering College, Tiruchirappalli, was established in 1964. The institute was declared an Institute of National Importance under the NIT Act, 2007, and later under the NITSER Act, 2012. NITT offers 13 undergraduate and 31 postgraduate programmes across a wide range of disciplines, including engineering, science, architecture, and management. The institute has consistently demonstrated academic excellence, securing the 9th position in the Engineering category in NIRF Rankings for three consecutive years (2023–2025), and has retained the No. 1 position among all NITs. The institute has established strong collaborations through Memoranda of Understanding (MoUs) with leading industries and academic institutions in India and abroad, fostering research, innovation, and consultancy activities.

**About the Department of Civil Engineering:**

The Department of Civil Engineering at the National Institute of Technology Tiruchirappalli, established in 1964, is one of the institute's founding and prominent departments. Over the years, it has established itself as a leading department in civil engineering education, research, and consultancy. The department has a team of highly qualified and dedicated faculty members with expertise across diverse domains and offers undergraduate, postgraduate, and doctoral programmes across major specialisations. The department provides a vibrant academic environment for students from diverse backgrounds to acquire strong professional and technical knowledge. It has been actively involved in advanced testing, research, and consultancy, contributing to addressing real-world engineering challenges and to infrastructure development.

**About Workshop:**

This two-day workshop aims to highlight the importance of innovative construction technologies for developing affordable, lightweight, and sustainable housing in seismic-prone regions. The programme focuses on the emerging concept of cold-formed steel (CFS)–concrete composite systems, which combine the advantages of steel and concrete to achieve rapid construction, improved structural performance, and reduced material consumption. The workshop will address key challenges in conventional construction, particularly the limitations of reinforced concrete systems under lateral loading. It will introduce advanced composite wall systems with enhanced energy absorption, ductility, and lateral load resistance. Emphasis will also be placed on the use of lightweight, sustainable materials to minimise the carbon footprint while ensuring structural safety and durability. Through technical sessions and discussions, the workshop intends to provide participants with insights into design concepts, practical applications, and future research directions for next-generation resilient and green building systems.

**Workshop content**

- Introduction to steel concrete composite systems
- Recent trends in cold-formed steel (CFS) concrete composite systems
- Material chemistry for sustainable concrete
- Structural Modelling and Design using ETABS Software
- Demo building visit

**Coordinator**  
**Dr Senthilkumar R**

Principal Investigator, Assistant Professor  
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**Who can Participate?**

Faculty members from an AICTE / UGC / MoE-recognised Institute/University can apply.

**How to register?**

Interested participants are required to submit a duly filled registration form at the following link:  
<https://forms.gle/k8QpjmQaA7Lfrm6k7>

**Important Guidelines:**

- **Number of participants limited to 25 only** (on a first-come, first-served basis).
  - **No Registration fee, and Spot Registration is not allowed.**
  - Last date for Registration is **8<sup>th</sup> June 2026**. After verifying the credentials, final confirmation of participation will be communicated to the shortlisted participants by email.
  - **Working Lunch and refreshments** will be provided for the participants.
  - Kindly note that **no accommodation** will be arranged for the participants. Participants attending the workshop are advised to make their own accommodation arrangements independently, if required.
  - Certificate of Participation will be provided only after completion of the workshop to the participants.
- For Queries- Contact Numbers [+91 9894950997](tel:+919894950997), [+91 9894054965](tel:+919894054965) and Email ID: [senthilr@nitt.edu](mailto:senthilr@nitt.edu)