

## PREAMBLE

The National Conference on Materials and Technologies for Sustainable Infrastructure aims to tackle the challenges faced by modern infrastructures, including buildings and bridges. With the increasing trend toward taller, longer and more flexible structures, structural engineers must develop solutions to protect them from environmental loads and vibrations. The conference will highlight the importance of innovative materials that enhance durability and minimize environmental impact in sustainable infrastructure development. Additionally, the integration of smart technologies, such as AI-driven monitoring and sensor-based structural assessments, plays a crucial role in improving resilience.

## SUSTAINABLE DEVELOPMENT GOALS MAPPING

The themes of the conference are aligned with advance resilient and eco-friendly development. It explores Clean water sanitation (SDG 6), Affordable and clean energy (SDG 7), Industry, innovation and infrastructure (SDG 9), Sustainable cities and communities (SDG 11) and Climate action (SDG 13) and Life on land (SDG 15). Through collaboration, it drives sustainable innovation and techniques.

## HIGHLIGHTS

### Conference Themes

- ☞ Green Buildings System
- ☞ Sustainable Materials for Built Environment
- ☞ Structural Systems
- ☞ Alternate Materials and Advanced Technologies
- ☞ Earthquake Resistant Structural Systems
- ☞ Smart Materials and Smart Structures
- ☞ Rehabilitation of Structures
- ☞ Chemistry of Construction Materials
- ☞ Structural Health Monitoring
- ☞ Other Related Topics

Key Note addresses will be delivered in the area of sustainable infrastructure development by experts drawn from Industry and Academic Institutions and other Professional organizations. Selected research works will be delivered by the participants.

## TARGET AUDIENCE

UG and PG Students, Academicians and Researchers / Industry Professionals from Government and Private Organizations.

## IMPORTANT DATES

Abstract Submission deadline	: 20 <sup>th</sup> March 2025
Notification to Authors	: 25 <sup>th</sup> March 2025
Full Paper Submission	: 01 <sup>st</sup> April 2025
Acceptance of the paper	: 05 <sup>th</sup> April 2025
Date of the Conference	: 09 <sup>th</sup> April 2025

## REGISTRATION

For Student Delegates	- Rs. 250/-
For Academicians	- Rs. 500/-
For Industrial participants	- Rs. 1000/-

Registration fee may be paid online using the details below

Name of the Bank: State Bank of India

Account Name : Structural Engineering Association

Account No : 30899198527

Branch Code : 10432

IFSC Code : SBIN0010432

MICR Code : 641002027

## REGISTRATION LINK

<https://forms.gle/IpHFXwHTI4CQW5vk6>



## PAPER SUBMISSION

Abstract of the papers should be submitted through e mail:

[mtsi.sea.gct@gmail.com](mailto:mtsi.sea.gct@gmail.com)

**Fifth National Conference  
On**

## **Materials and Technologies for Sustainable Infrastructure (MTSI '25)**

**09<sup>th</sup> April 2025**

## REGISTRATION FORM

1. Name:
2. Qualification:
3. Age & Gender:
4. Designation:
5. Department:
6. Address for Communication:
7. Phone No.:
8. Mobile:
9. E-Mail:
10. Fee details:
11. Amount: Date:
12. Reference No.:

**Signature of the Applicant**

**Head of the Dept. /Institution**



Fifth National Conference  
On

## Materials and Technologies for Sustainable Infrastructure (MTSI '25)

09<sup>th</sup> April 2025



Organized by

Department of Civil Engineering  
(Structural Engineering)  
Government College of Technology  
Coimbatore - 641 013

Log on to: [www.gct.ac.in](http://www.gct.ac.in)  
Phone: (0422) -2432221

### ABOUT THE COLLEGE

The Government College of Technology, Coimbatore formerly known as Arthur Hope College of Technology, was started in July 1945. The Institute is one of the premier Engineering Institutions of the Country having a very large contribution to the academic and technological developments. Ever since that prestigious moment, it has set the standard of recognition standing out as an outstanding Institution with technical expertise. This Institution offers nine UG programs and eleven PG programs with recognized research supervisors to pursue Ph.D. Programs in all the branches of study. All departments have well qualified staff members and excellent infrastructural facilities. The college has received "BEST COLLEGE AWARD" in the year 2010 from the State Government of Tamilnadu and "GREEN CAMPUS OF THE YEAR - 2013" award from Rangaswami, Chief Minister of Pondicherry on April 4<sup>th</sup> for the measures taken on environmental activities. In addition, the Institute received a certificate from India Book of Records for the National symposium on Zero paper event.

### ABOUT THE DEPARTMENT

The Department of Civil Engineering was established in 1945 for undergraduate programs and expanded in 1971 to include a postgraduate programme in Structural Engineering. The department boasts highly qualified faculty with outstanding academic credentials, well-equipped laboratories and advanced computational facilities. The laboratories serve as a hub for large-scale experimental testing and cutting-edge research, focusing on the development of resilient structural systems and innovative rehabilitation strategies for aging infrastructure. These experimental facilities are supported by funding from AICTE-MODROBS, Part-II schemes, State funds, and TEQIP. Research spans diverse areas, including concrete, steel, and composite structures, waste material utilization in concrete, structural mechanics and numerical simulations.

### ORGANIZING COMMITTEE

#### PATRON

**Dr. K. Manonmani**  
Principal

#### CHAIRMAN

**Dr. R. Thenmozhi**  
Professor of Civil Engineering

#### ORGANIZING SECRETARY

**Dr. M. Rama**  
Associate Professor in Civil Engineering

#### COORDINATORS

**Prof. P. Andavar**  
Assistant Professor in Civil Engineering  
**Prof. P. Nirmal**  
Assistant Professor in Civil Engineering

#### MEMBERS

Dr. J. Jeyanthi  
Dr. S. P. Jeyapriya  
Dr. S. Chithra  
Dr. R. Chithra  
Dr. V. Sathees Kumar  
Dr. K. Rekha  
Dr. M. Kumar  
Dr. M. C. Ravathi  
Prof. S. Makesh Kumar  
Dr. R. Bhuvaneshwari  
Prof. C. Bharathi  
Prof. K. Rajeshkumar

Contact address

**Dr. M. Rama**

Organizing Secretary  
Associate Professor

GCT, Coimbatore - 641 013

Email: [mrma@gct.ac.in](mailto:mrma@gct.ac.in)

Contact No. +91 94867 23545

**Student's Co-Ordinator:**

Ganesh Adithya T

Contact No. +91 63836 65047

