

Information Brochure

The Institution of Engineers (India)

“A Century of Service to the Nation”

One Day Seminar

on

***“Low Carbon Building Materials for
Sustainable Built Environment”***

Date: 25.08.2025

Organized by



The Institution of Engineers (India)

Coimbatore Local Centre

under the aegis of

Architectural Engineering Divisional Board, IEI

in association with



Department of Civil Engineering

Sri Krishna College of Engineering and Technology

Coimbatore

Venue: BS-03 Seminar Hall

Sri Krishna College of Engineering and Technology

Coimbatore - 641008

About The Institution of Engineers (India):

The Institution of Engineers (India) or IEI is the largest multidisciplinary professional body that encompasses 15 engineering disciplines and gives engineers a global platform for sharing professional interest. IEI has membership strength of above 2.6 lakh. Established in 1920, with its headquarter Kolkata, IEI has served the engineering fraternity close to a century. During this period, IEI has been inextricably linked with the history of modern-day engineering.

In 1935, IEI was incorporated by Royal Charter and remains the only professional body in India, which has been accorded this honour. Today, its quest for professional excellence has given it a place of pride in almost every prestigious and relevant organization across the globe. It provides a vast array of technical, professional and supporting services to the Government, Industries, Academia and the Engineering fraternity, operating through its 125 Centres located across the country and 6 overseas chapters. Besides, IEI has bilateral agreements with about 31 international bodies and membership of another 8 international bodies of the developed nations across the globe.

Being recognized as a Scientific and Research Organisation (SIRO) by the Department of Scientific and Industrial Research, Ministry of Science and Technology, Government of India, IEI promotes the cause of research and development by providing Grant-in-Aid support to undergraduate, postgraduate students and PhD Research Scholars of Engineering Institutions and Universities. IEI has been recognized as Scientific and Industrial Research Organization (SIRO) by the Ministry of Science & Technology, Government of India and besides conducting its' own research, provides Grant-in-Aid to UG / PG / PhD students of Engineering institutes and Universities.

IEI holds the International Professional Engineers (IntPE) Register for India under the global International Professional Engineers Alliance (IntPEA). The institution also awards the Professional Engineers (PE) Certification. IEI in collaboration with Springer regularly publishes peer-reviewed international journal in five series, namely, Series A, Series B, Series C, Series D and Series E covering fifteen engineering disciplines.

About Coimbatore Local Centre:

The Centre was founded in the year of 1965, under the Chairmanship of Dr G R Damodaran, an educationist, the former Vice - Chancellor of Madras University, philanthropist and the architect of PSG College of Technology, Coimbatore who lived for the technology development of the Nation. For more than five decades, the IEI Coimbatore Local Centre (CLC) has contributed a lot to the engineering community and to the society as a whole. The Institution of Engineers (India), Coimbatore Local Centre has been adjudged the **“Best Local Centre” based on all-round performance during the year 2023 - 2024** and has also received the **Best Local Centre Award in 2019 - 2020 and 2022 - 2023**.

About the College

Sri Krishna College of Engineering and Technology is the most sought-after Institution among the premier technical Institutions in South India. With a decade of establishment in 1998, the Institution has marched towards the pinnacle of glory through its remarkable achievements in the field of Engineering Education. It is an autonomous Institution affiliated to Anna University with 7 programmes being accredited by NBA and it offers 12 UG programmes, 4 PG programmes, 1 integrated program, and 6 research programmes and accredited by NAAC with A+. The Institution offers an exciting academic environment with well qualified dedicated faculty members to inspire and nurture the student fraternity. With industry drafted Choice Based Credit System (CBCS) curriculum and syllabi, the Institution takes every effort to bring its students to the forefront of the society as skillful and responsible engineers.

About the Department

The Department of Civil Engineering was established in the year 2012, offers U.G. Degree Programme - B.E. Civil engineering with an intake of 69 students empowered by dedicated faculty members. The department has been accredited for 3 years by National Board of Accreditation (NBA), New Delhi for its exceptional quality of education through a dedicated and committed team of faculty members. SKCET being an autonomous institution, the curriculum is designed in such a way that it caters to the demand driven needs of construction industry with well-defined Programme Educational Objectives and Outcomes. The department is equipped with state of art laboratory facilities and software packages.

About the Theme

The construction industry is increasingly prioritizing low embodied energy materials and systems to mitigate its significant environmental impact. Embodied energy encompasses the total energy consumed throughout a material's lifecycle, from the extraction and processing of raw materials to manufacturing, transportation, construction, and ultimately, disposal. High embodied energy materials, such as concrete and steel, require substantial energy for their production, often through processes that release significant greenhouse gas emissions. This contributes significantly to climate change and depletes valuable natural resources. The industry can dramatically reduce its environmental footprint by embracing low embodied energy options. Various options like the use of locally sourced materials to minimize transportation distances will lead to reduced energy consumption associated with material delivery. The importance of using recycled and reclaimed materials in reducing the energy required for manufacturing, as these materials have already undergone initial energy-intensive processes. The implementation of bio-based materials like wood, bamboo and straw in construction often leads to reduced embodied energy than conventional materials due to their renewable origins and lower processing demands. Incorporating passive design principles, such as proper insulation, shading, and natural ventilation, reduces the need for energy-intensive heating and cooling systems. These technologies improve resource efficiency, reduce environmental impact and enhance occupant comfort and health. The seminar will provide meaningful sessions on all the above concepts.

Sub Themes

- ❖ Bio-mimicry in Architectural Engineering
- ❖ Green Architectural Engineering
- ❖ Advances in Material Sciences
- ❖ Smart Materials and Their Application to Aerospace, Mechanical and Civil Structures
- ❖ Building Services (HVAC, power etc.)
- ❖ Green Building Architecture
- ❖ Quality Management System in Construction
- ❖ Green Technology

Resource Persons

Expert members from various leading academic institutions and Industries.

Eligibility

IEI Members, UG and PG Students, Research Scholars, Faculty Members and Practicing Engineers.

How to Apply

Registration for the seminar can be made by sending the duly filled application through email and by filling the registration link on or before **17.08.2025**.

Registration Link: <https://forms.gle/9PuHtjGNASEHe5nS8>

Registration Fee (including GST)

	₹
IEI Corporate Members	236.00
UG / PG / Research Scholar	236.00
Faculty Members	354.00
Participants from Industry	472.00

Payment

All payments are to be made through crossed Demand Draft / at par cheque, drawn in favour of “**The Institution of Engineers (India), Coimbatore Local Centre**” payable at **Coimbatore** or **online payment**.

For Online Transfer

Name	:	The Institution of Engineers (India) Coimbatore Local Centre
Bank	:	State Bank of India
Branch	:	Peelamedu Branch, Coimbatore
Account No.	:	10141435551
IFSC Code	:	SBIN0007231
GST No.	:	33AAATT3439Q6ZW

Note

- ❖ **Pre-registration is mandatory.**
- ❖ **Spot registration is strictly not permitted.**
- ❖ **Limited participants only.**
- ❖ **No TA / DA will be paid.**
- ❖ **Kindly bring your College / industry identity card.**
- ❖ **Registration through email and registration link is compulsory.**
- ❖ **Registration fee includes: refreshments, lunch & participation certificate.**

Chief Patrons: **Smt S Malarvizhi**
Chairperson and Managing Trustee, Sri Krishna Institutions, Coimbatore

Sri K Adithya
Trustee, Sri Krishna Institutions, Coimbatore

Dr K Sundararaman
Chief Executive Officer, Sri Krishna Institutions, Coimbatore

Patron: **Dr K Porkumaran**
Principal, Sri Krishna College of Engineering and Technology, Coimbatore

Organizing Committee

Chairman: **Dr J Krishnamoorthi**, Chairman, IEI Coimbatore Local Centre

Secretary: **Dr G Madhan Mohan**, Honorary Secretary, IEI Coimbatore Local Centre

Convener: **Dr V Sreevidya**
Professor & Head, Department of Civil Engineering
Sri Krishna College of Engineering and Technology, Coimbatore

Members:

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Dr A K Priya, Committee Member, IEI Coimbatore Local Centre

Dr T Ramesh, Committee Member, IEI Coimbatore Local Centre

Dr G Manjula

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Sri Krishna of Engineering and Technology, Coimbatore

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Contact**Dr G Madhan Mohan**

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Registration Form

One Day Seminar
on

***“Low Carbon Building Material for
Sustainable Built Environment”***

Date: 25.08.2025

Venue: BS-03 Seminar Hall

Sri Krishna College of Engineering and Technology, Coimbatore - 641008

Name: (Block Letters).....

Designation:.....

Organization / Institution:.....

IEI Membership Number & Division.....

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Address for Communication.....

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Mobile Number:..... Email:.....

I / We enclose a DD / CHEQUE / NEFT details for Rs..... Date:.....

Transaction ID Number.....

Dated.....

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Signature