

First Information Brochure

The Institution of Engineers (India)

A Century of Service to the Nation

Two days All India Seminar

On

***“Application of Sustainable Materials in Modular
Construction Technology”***

Date: 27th & 28th August 2026

Organised by



TAMIL NADU STATE CENTRE

Under the Aegis of

Civil Engineering Division, IE(I)

In association with



SRM VALLIAMMAI ENGINEERING COLLEGE

(AN AUTONOMOUS INSTITUTION)

**APPROVED BY AICTE, AFFILIATED TO ANNA UNIVERSITY, ACCREDITED BY NBA,
‘A’ GRADE ACCREDITATION BY NAAC AND ISO 21001:2018 CERTIFIED INSTITUTION,
SRM NAGAR, KATTANKULATHUR - 603203, CHENGALPATTU DISTRICT, TAMIL NADU.**

Venue

**Admin Block, 2nd Floor, Seminar Hall, SRM
Valliammai Engineering College,
Kattankulathur- 603 203**

ABOUT THE INSTITUTION OF ENGINEERS (INDIA)

The Institution of Engineers (India) or IE(I) is the largest multidisciplinary professional body that encompasses 15 engineering disciplines and gives engineers a global platform for sharing professional interest. IE(I) has membership strength of above 2.64 lakhs. Established in 1920, with its headquarter Kolkata, IE(I) has served the engineering fraternity close to a century. During this period of time, IE (I) has been inextricably linked with the history of modern-day engineering.

In 1935, IE (I) 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 124 Centres located across the country and 6 overseas chapters. Besides, IE (I) has bilateral agreements with about 34 international bodies and membership of another 8 international bodies of the developed nations across the globe.

Being recognized as a Scientific and Research Organization (SIRO) by the Department of Scientific and Industrial Research, Ministry of Science and Technology, Government of India, IE(I) promotes the cause of research and development by providing Grant-in-Aid support to undergraduate, post graduate students and PhD Research Scholars of Engineering Institutions and Universities.

IE (I) has been recognized as Scientific and Industrial Research Organization (SIRO) by the Ministry of Science & Technology, Government of India and provides Grant-in-Aid to UG/PG/PhD students of Engineering institutes and Universities.

IE(I) 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.

IE(I) in collaboration with Springer Nature India Pvt. Ltd regularly publishes SCOPUS indexed, peer-reviewed international journal in five series, namely, Series A, Series B, Series C, Series D and Series E covering fifteen engineering disciplines.

ABOUT TAMIL NADU STATE CENTRE

The Tamil Nadu State Centre was established originally as the Southern India Centre at Chennai on 22nd December 1922. The Southern Region covered the erstwhile Madras, Andhra, Mysore, Hyderabad and Travancore – Cochin. As more centres were opened in the Southern Region, it was

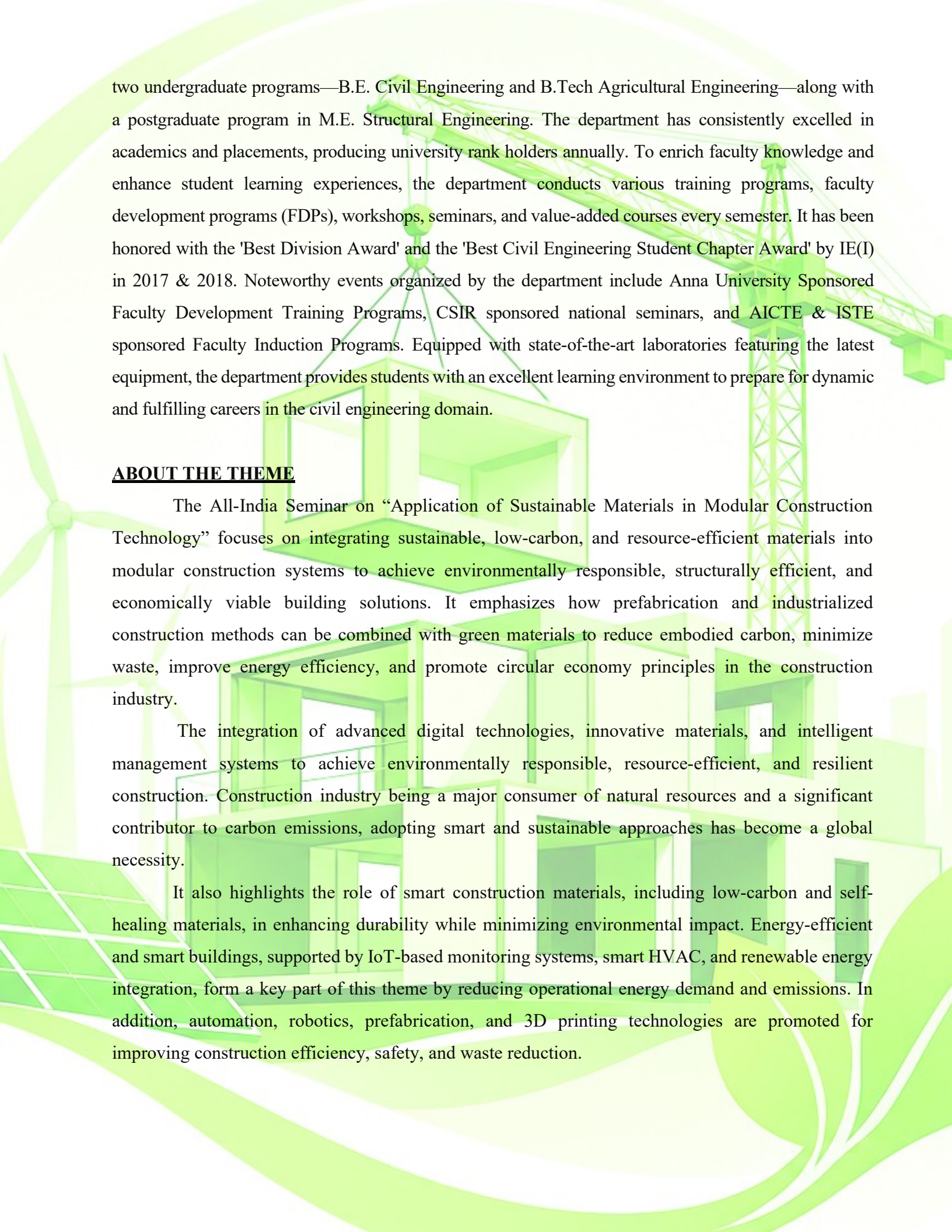
renamed as Madras Centre and later became the Tamilnadu State Centre. Tamilnadu State Centre has a special significance in the formation of the Institution; for the IE (I) was registered in 1920 in the then Madras Province at Chennai. The registered office was subsequently moved to Calcutta the Head Quarters of IE (I). The Chief Guest for the Inaugural Function of the Annual General Session of IE (I) Madras Centre in 1959 was Thiru K Kamaraj, Chief Minister of Tamil Nadu.

The Tamil Nadu State Centre is the most active centre in the country and has been serving the society in general and the engineering community in particular with the said objectives and plays a significant role in dissemination and proliferation of knowledge amongst its members. With a modest membership to start with, the centre has brought into its fold a large section of fraternity with a membership strength of more than 30000 Corporate Members and more than 80000 Non – Corporate Members widening its horizon of technical activities. The centre has established sixteen Local Centres at Neyveli, Madurai, Coimbatore, Tiruchirappalli, Salem, Kalpakkam, Ranipet, Tuticorin, Hosur, Kanyakumari, Tirunelveli, Thiruvallur, Kancheipuram, Thanjavur, Erode and Kattankulathur to serve more professional groups. The major activities of the Division include: Annual National Conventions, Annual & Semi-Annual Paper Meetings, Publication of Journals, Workshops /Seminars and Symposia and Prizes and Awards.

ABOUT SRM VALLIAMMAI ENGINEERING COLLEGE

SRM Valliammai Engineering College (An Autonomous Institution) was found on stands as a premier institute within the SRM group of educational institutions. Founded in 9th September 1999 by Dr.T.R.Paarivendhar, a renowned educationist, and sponsored by the Valliammai Society, the college is committed to delivering top-quality education across various disciplines. It holds a distinguished status with recognition under 2(f) & 12(B) by the University Grants Commission, New Delhi, and is an ISO 21001:2018 Certified Institute. The college's strong ties with numerous R&D institutions and higher learning establishments in India foster an environment of academic collaboration and growth. As part of its college social responsibility, the institute actively engages in serving the rural communities surrounding its campus. Offering 11 undergraduate courses and 9 postgraduate courses, the institution operates autonomously with approval from AICTE, accreditation by NAAC with an 'A' grade, NBA accreditation, and affiliation with Anna University, Chennai. 9 departments are recognized as Research Centers by Anna University.

The Department of Civil Engineering, established in 2009 with an initial intake of 60 students, now offers



two undergraduate programs—B.E. Civil Engineering and B.Tech Agricultural Engineering—along with a postgraduate program in M.E. Structural Engineering. The department has consistently excelled in academics and placements, producing university rank holders annually. To enrich faculty knowledge and enhance student learning experiences, the department conducts various training programs, faculty development programs (FDPs), workshops, seminars, and value-added courses every semester. It has been honored with the 'Best Division Award' and the 'Best Civil Engineering Student Chapter Award' by IE(I) in 2017 & 2018. Noteworthy events organized by the department include Anna University Sponsored Faculty Development Training Programs, CSIR sponsored national seminars, and AICTE & ISTE sponsored Faculty Induction Programs. Equipped with state-of-the-art laboratories featuring the latest equipment, the department provides students with an excellent learning environment to prepare for dynamic and fulfilling careers in the civil engineering domain.

ABOUT THE THEME

The All-India Seminar on “Application of Sustainable Materials in Modular Construction Technology” focuses on integrating sustainable, low-carbon, and resource-efficient materials into modular construction systems to achieve environmentally responsible, structurally efficient, and economically viable building solutions. It emphasizes how prefabrication and industrialized construction methods can be combined with green materials to reduce embodied carbon, minimize waste, improve energy efficiency, and promote circular economy principles in the construction industry.

The integration of advanced digital technologies, innovative materials, and intelligent management systems to achieve environmentally responsible, resource-efficient, and resilient construction. Construction industry being a major consumer of natural resources and a significant contributor to carbon emissions, adopting smart and sustainable approaches has become a global necessity.

It also highlights the role of smart construction materials, including low-carbon and self-healing materials, in enhancing durability while minimizing environmental impact. Energy-efficient and smart buildings, supported by IoT-based monitoring systems, smart HVAC, and renewable energy integration, form a key part of this theme by reducing operational energy demand and emissions. In addition, automation, robotics, prefabrication, and 3D printing technologies are promoted for improving construction efficiency, safety, and waste reduction.

Seminar Topics:

Seminar will be dealt with:

- Sustainable Structural Materials in Modular Systems
- Smart Construction Materials
- Prefabrication and Modular Construction.
- Sustainable Construction Management
- Recycled and Circular Economy Materials
- Bio-Based and Energy-Efficient Materials
- Water-Efficient Construction Techniques

Call for Papers

All interested participants are requested to contribute technical/ research papers and case studies detailing concept, innovation, idea or practical experiences for oral presentation. Each paper should begin with a synopsis of about 200 words and preferably within 3000 words excluding figures, tables and references.

Papers can be send to **ieitamilnadu@gmail.com**.

Important Dates:

Submission of Abstract	: 10 th August 2026
Communication of Acceptance of Abstract	: 12 th August 2026
Submission of Full Length Paper	: 22 nd August 2026

For Guidelines for Submission of Papers scan the QR Code



https://www.ieindia.org/webui/IEI-Activities.aspx#Call_Papers

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Registration fee includes Tea & Snacks during Workshop and a soft copy of the Souvenir/Technical Proceeding

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All India Seminar
On
Application of Sustainable Materials in
Modular Construction Technology
The Institution of Engineers (India)

Tamil Nadu State Centre

27th & 28th August 2026

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