

SCHOOL OF INFRASTRUCTURE
DEPARTMENT OF CIVIL ENGINEERING

Ref.:1363/ Dean(Sol)/1225

Date: 29.12.2025

Report on the Two-Day National Seminar on

“Sustainable Building Practices and Innovations in Green Construction for a Resilient Future”

Seminar Overview

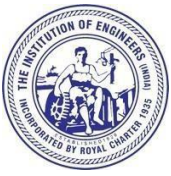
A Two-Day National Seminar on *Sustainable Building Practices and Innovations in Green Construction for a Resilient Future* was sponsored by The Institution of Engineers (India) and jointly organized by the IE(I) Kancheepuram Local Centre and the Department of Civil Engineering, School of Infrastructure, B.S. Abdur Rahman Crescent Institute of Science & Technology. The seminar was held on 18th and 19th November 2025 at the institute campus.

Day 1 – 18.11.2025

Inaugural Session: (09.00 a.m – 10.00 a.m)

The seminar commenced with registration, followed by the inaugural ceremony.

- *Qirath* was rendered by the M.Tech student **Mr. Waqas Ahamed**, and the *State Song Tamil Thai Vazhthu* was presented by B.Tech students.
- **Dr. Vasanthi Padmanabhan**, Professor, BSACIST, delivered the welcome Address and introduced the seminar theme.
- **Dr. T. Murugesan**, Vice Chancellor, BSACIST, delivered the Presidential Address.
- Felicitations were offered by **Dr. N. Raja Hussain**, Registrar, BSACIST, and **Dr. S. Karthikeyan, FIE**, Chairman, IE(I) Kancheepuram Local Centre.
- The seminar was formally inaugurated and the souvenir released by **Dr. Monsingh David Devadas**, Professor & Dean, MEASI Academy of Architecture, Chennai.



Qirath by Waqas Ahamed



Welcome by Dr. Vasanthi Padmanabhan



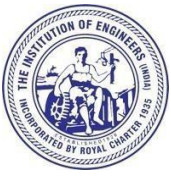
Inauguration of Seminar



Releasing of Souvenir

Session 1 (10.00 a.m – 12.30 p.m)

- **Topic 1:** *Sustainable Building Practices and Innovations in Green Construction for a Resilient Future*
Speaker: Dr. Monsingh David Devadas, Professor & Dean, MEASI Academy of Architecture, Chennai
Focus: Innovations in sustainable construction, eco-friendly materials, and resilient design strategies.
- **Topic 2:** *Principles of Sustainable Architecture and Eco-Friendly Design*
Speaker: Dr. M. Elango, Associate Professor, School of Architecture and Planning, Anna University, Chennai
Focus: Architectural principles for minimizing carbon footprint and integrating eco-friendly design approaches.



Session 2 (01.45 p.m – 04.00 p.m)

- **Topic 3:** *Water Conservation, Rainwater Harvesting and Wastewater Recycling*
Speaker: Dr. Kurian Joseph, Professor of Eminence, Environmental Engineering, Anna University, Chennai
Focus: Sustainable water management practices, decentralized systems, and recycling technologies.
- **Topic 4:** *Retrofitting and Adaptive Reuse for Sustainability*
Speaker: Dr. P. Gajalakshmi, Professor, Department of Civil Engineering, BSACIST
Focus: Techniques for extending the life of existing structures through retrofitting and adaptive reuse.

Day 2 – 19.11.2025

Session 3 (09.30 a.m – 10.30 a.m)

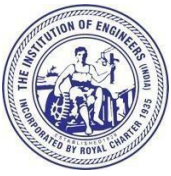
- **Topic 5:** *Life Cycle Assessment of Buildings*
Speaker: Dr. J. Revathy, Professor of Civil Engineering & Dean (Research), BSACIST
Focus: Evaluating environmental impacts of buildings across their entire life cycle.

Session 4 (10.45 a.m – 12.30 p.m)

- **Topic 6:** *Sustainable Construction Practices for Resilient RC Structures*
Speaker: Dr. M. S. Haji Sheik Mohammed, Professor of Civil Engineering & Dean, School of Infrastructure, BSACIST
Focus: Sustainable design, practices and proactive strategies for enhancing Service life of reinforced concrete structures.
- **Topic 7:** *Smart Cities and Sustainable Urban Planning* **Speaker:** Dr. K. Yogeswari, Professor, Department of Civil Engineering, BSACIST *Focus:* Planning strategies for sustainable, resilient, and inclusive urban development.

Session 5 (01.30 p.m – 03.30 p.m)

- **Topic 8:** *Green Building Certifications – GRIHA, LEED*
Speaker: Dr. C. Velan, CEO, CEEBROS, Chennai
Focus: Certification systems for sustainable buildings and their role in promoting eco-friendly practices.
- **Topic 9:** *Small Changes, Big Impact: How Tiny Decisions Shape a Sustainable Future*
Speaker: Ar. Kannan Gopalakrishnan, Founder, Habitat Design Studio, Manapakkam, Chennai
Focus: The importance of individual and collective decisions in shaping sustainable outcomes.



Photographs during Technical Sessions



Dr. M. Elango



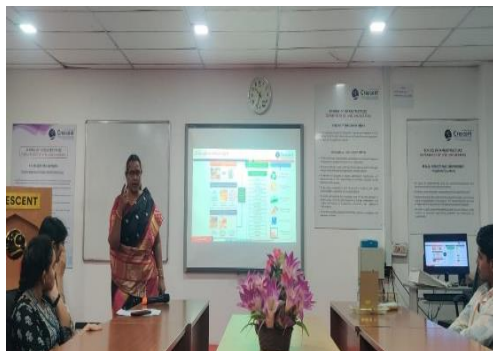
Dr. Monsingh David Devadas,



Dr. Kurian Joseph



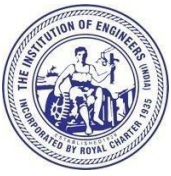
Dr. P. Gajalakshmi



Dr. J. Revathy



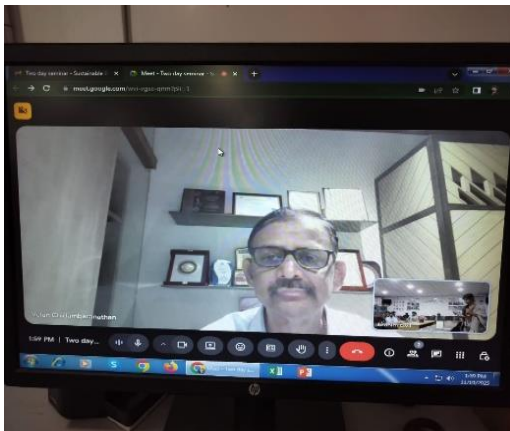
Dr. Vasanthi Padmanabhan honouring Dean, Sol



Dr. M.S. Haji Sheik Mohammed



Dr. K. Yogeswari



Dr. C. Velan



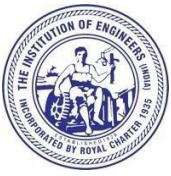
Ar. Kannan Gopalakrishnan



Participants



Participants



Valedictory Session & Certificate Distribution

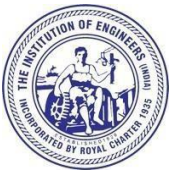
Summary of Technical Sessions

Across two days, the seminar provided a comprehensive platform for knowledge sharing on:

- Sustainable building materials and eco-friendly design principles
- Water conservation and recycling technologies
- Retrofitting and adaptive reuse for sustainability
- Life cycle assessment of buildings
- Smart city planning and resilient infrastructure
- Green building certifications (GRIHA, LEED)
- Everyday sustainable practices with long-term impact

The sessions collectively emphasized that **sustainability is not a concept of the future but a responsibility of the present**, aligning with key **Sustainable Development Goals (SDGs)** such as:

- **SDG 6 – Clean Water & Sanitation**
- **SDG 7 – Affordable & Clean Energy**
- **SDG 9 – Industry, Innovation & Infrastructure**
- **SDG 11 – Sustainable Cities & Communities**
- **SDG 12 – Responsible Consumption & Production**



The Institution of Engineers (India)
Kancheepuram Local Centre
in association with
B.S.Abdur Rahman Crescent Institute of Science and Technology
Vandalur, Chennai- 600 048.
Two Day National Seminar
on
**“Sustainable Building Practices and Innovations
in Green Construction for a Resilient Future”**
Under the aegis of
Civil Engineering Division Board, IEI
Date: 18.11.2025 & 19.11.2025
Venue: Seminar Hall - I, Convention Centre, BSACIST

Prof. Dr. T. Murugesan Vice Chancellor, BSACIST
Dr. N. Raja Hussain Registrar, BSACIST

Chief Guest
Prof. Dr. Monsingh David Devadas
Dean - MEASI Academy of Architecture,
Chennai 14

Guest of Honour
Chairman **Honorary Secretary**
Dr. Karthikeyan S, FIE, **Dr.V.Muthukumar, FIE**
Chairman, Honorary Secretary,
The Institution of Engineers (India), The Institution of Engineers (India),
Kancheepuram Local Centre, Kancheepuram Local Centre.

Convenors
Dr. M.S. Haji Sheik Mohammed Professor & Dean (Sol), BSACIST
Dr. P. Vasanthi, FIE Professor, BSACIST

Co-Convenor **Co-Ordinators**
Dr. A.K. Kalluthin, MIE Associate Professor, BSACIST
Dr. Y. Ibrahim, MIE Assistant Professor (Sr.Gr.), BSACIST
Dr. M. Ayisha Siddiqua, MIE Assistant Professor (Sr. Gr.), BSACIST

SDG 13 – Climate Action National Seminar Invitation

School of Infrastructure
Department of Civil Engineering
in association with
Institution of Engineers (India), Kancheepuram Local centre
Organizes
Two Day National Seminar
**“Sustainable Building Practices and Innovations
in Green Construction for a Resilient Future”**
18th & 19th November 2025
Seminar Hall - 1, Convention Centre
B. S. Abdur Rahman Crescent Institute of Science & Technology

Display of Banner in National Seminar

The Institution of Engineers (India)
Kancheepuram Local Centre
In Association with
Crescent
Institute of Science & Technology
Certificate of Participation
This is to certify that Mr./Ms. _____ from _____ participated in the two days All India seminar on **“Disaster Mitigation and Engineering” (DME’24)** organised by The Institution of Engineers (India), Kancheepuram Local Chapter (KLC), in association with Department of Civil Engineering, School of Infrastructure B.S. Abdur Rahman Crescent Institute of Science and Technology, Vandalur, Chennai during 23rd and 24th, July, 2024.
Coordinator Convener Registrar

Sample Certificate

National Seminar on Building Practices held



The School of Infrastructure, Department of Civil Engineering, B.S. Abdur Rahman Crescent Institute of Science and Technology, Vandalur, in coordination with The Institution of Engineers (India), Kancheepuram Local Centre, conducted a two-day national seminar on ‘Sustainable Building Practices and Innovations in Green Construction for a Resilient Future’.

Monsingh David Devadas, dean, MEA- SI Academy of Architecture, Chennai, inaugurated the seminar.

The seminar focused on the growing significance of sustainable building materials, advanced construction techniques: energy conservation and generation, water treatment and recycling methods and Artificial Intelligence in shaping the future of construction and architectural practices, said a release issued by the educational institution.

Hindu - Dailies

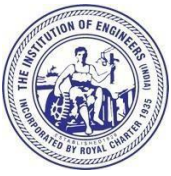
தேசிய கருத்தரங்கம்



வண்டலூர் கிரசென்ட் உயர் தொழில்நுட்பக் கல்வி நிறுவனத்தில் நடைபெற்ற கருத்தரங்கில் மலர் வெளியீட்டு நிகழ்வில் பங்கேற்ற யியாசி கட்டட வடிவமைப்புக் கல்லூரி முதல்வர் டி. மான்சிங் தேவதாஸ், துணைவேந்தர் டி.முருகேசன் பதிவாளர் என்.ராஜா ஹுசைன், முதல்வர் ஹாஜி ஷேக் முகமது உள்ளிட்டோர்.

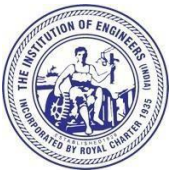
Dinamani -Tamil Newspaper

Coverage by Press & Media



List of Participants:

SI.No.	Name	Students / Faculty	Institution
1	Arockia Julias Arulraj	Faculty – Mechanical	BSACIST
2	Jessica Jenny James	PG Student	BSACIST
3	M.Giri Ravendar	PG Student	BSACIST
4	C G Lohith	PG Student	BSACIST
5	D.Lavanya	PG Student	BSACIST
6	Mohamed Zuhairudeen A	PG Student	BSACIST
7	Derrick Shalvin M	PG Student	BSACIST
8	Hudson Gnanadurai C	PG Student	BSACIST
9	Sethu Raman R	PG Student	BSACIST
10	Shameer M	PG Student	BSACIST
11	Guruprasadh A	PG Student	BSACIST
12	Rahini D A	PG Student	BSACIST
13	Waqas Ahmad Sheikh	PG Student	BSACIST
14	Aasad M S	PG Student	BSACIST
15	Bhupathirajan A P	PG Student	BSACIST
16	Deeparatchagan R	PG Student	BSACIST
17	Leela.M	PG Student	BSACIST
18	Rakshidha D	PG Student	BSACIST
19	Sanmati K	PG Student	BSACIST
20	Praveen Khanna	PG Student	BSACIST
21	Saud Anjum Mahevi Mohammed Rashid	Research Scholar	BSACIST
22	Mr. A. Manivannan	Faculty – Civil	BSACIST
23	Dr. M. Vishal	Faculty – Civil	BSACIST
24	Dr. A.K.Kaliluthin	Faculty – Civil	BSACIST
25	Dr. M. Ayisha Sidiqia	Faculty – Civil	BSACIST
26	Dr. Y.Ibrahim	Faculty – Civil	BSACIST



Valedictory Session: (03.30 p.m – 04.30 p.m)

The **Valedictory Session** began with a warm welcome address by **Dr. M. S. Haji Sheik Mohammed**, Professor and Dean, School of Infrastructure. **Dr. N. Tajudeen**, **Pro Vice Chancellor, BSACIST**, offered his felicitations and distributed certificates to the participants, acknowledging their active involvement in the seminar. Following this, **Dr. M. Ayisha Siddiqua**, Assistant Professor (Sr. Gr.), BSACIST, proposed the Vote of Thanks, expressing gratitude to the dignitaries, resource persons, organizers, and participants for their valuable contributions. The seminar was formally concluded with the rendition of the **National Anthem**.

Key Takeaways

- Conventional construction poses risks such as excessive resource consumption, pollution, and greenhouse gas emissions.
- Transformative approaches like **circular construction models**, **net-zero energy buildings**, and **decentralized water management systems** are essential for sustainable development.
- A powerful message resonated throughout the seminar:
“Sustainability is not a concept of the future but a responsibility of the present.”

Dr. M. Ayisha Siddiqua
Assistant Professor (Sr.Gr.)

Dr. Y. Ibrahim
Assistant Professor (Sr.Gr.)

Dr. A.K. Kaliluthin
Associate Professor

Dr. Vasanthi Padmanabhan
Professor of Civil Engineering

Dr. M.S. Haji Sheik Mohammed
Professor & Dean – School of Infrastructure