

## Awards & Recognition

Prof. Manu Santhanam, Professor, Civil Engineering, and Dean of Industrial Consultancy and Sponsored Research, IIT Madras is inducted as a Fellow of Indian National Academy of Engineering (FNAE) during INAE Annual Convention 2024



Dr. Surender Singh, Assistant Professor, Department of Civil Engineering, IIT Madras has been inducted as a Young Associate of Indian National Academy of Engineering during INAE Annual Convention 2024

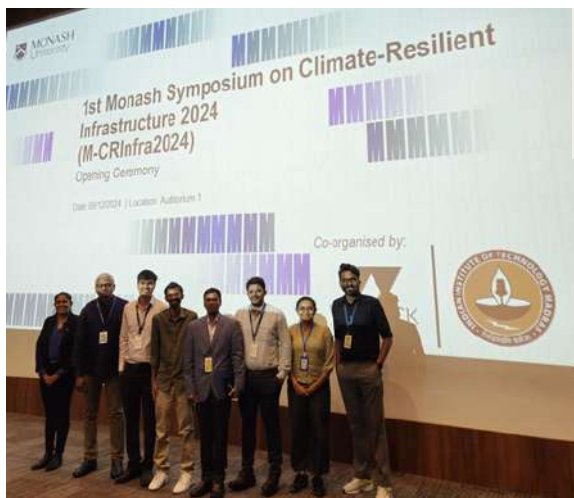


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- IIT Madras CSR Awards & Summit 2024 on December 13, 2024
- Upcoming event: TLC2 Workshop 2025



Prof. Manu Santhanam, Surender Singh and Keerthana Kirupakaran with research scholars in 1st Monash Symposium on Climate-Resilient Infrastructure 2024 (M-CRInfra2024) in Monash University Malaysia, co-organized by IIT, Madras

Heartiest Congratulations Ramakrishna S for winning the Sustainable Developments for Future Infrastructure Award 2024 in conjunction with the 1st Monash Symposium on Climate-Resilient Infrastructure 2024 (M-CRInfra2024) in Monash University Malaysia, co-organized by IIT, Madras



Ramakrishna S with his award 🌟

On 7th December in pre-symposium competition for Research Scholars and PGs, Ramakrishna S presented his work on Enhancing the Sustainability of Textile Reinforced Concrete. Another three research scholars from TLC2 also participated in the pre-symposium competition:

“A technology-driven approach to optimize the urban reverse supply chain of construction and demolition waste” - presented by Ashwani Jaiswal

“Sustainable construction using recycled concrete aggregate: Role of parent rock” - presented by Avinav Thakur

“Geometric Optimization For 3D Printed Concrete Beams” - presented by Gokul Santosh

## Teak Membership in TLC2 Consortium

Two promising start-ups - Jyamiti & Sea (<https://www.jyamitiandsea.com/>) and Satiq Concrete Manufacturer Pvt. Ltd. (<https://www.scmconcrete.com>) have joined the TLC2 Industry Consortium as Teak Members

🌟 Jyamiti & Sea was founded by Soumak Mukhopadhyay, who discovered a love for creating concrete home decor products during pandemic, and soon after, Anurag Kumar, another former IT engineer with a similar passion for handmade artifacts, joined him. Together, they strive to add a vibrant and joyful essence to traditional concrete through their innovative designs, making each piece a delightful addition to any space.

🌟 SATIQ is dedicated to creating construction materials with a strong emphasis on sustainability, affordability, trustworthiness, innovation, and quality. Two talented civil engineers Dr. Shantanu Bhattacharjee and Dr. Smrati Jain founded SATIQ to promote Green and Sustainable Built Environment by Developing Reduced Embodied Carbon Construction Materials. Through their expertise and vision, SATIQ aims to lead the way in promoting sustainable building practices.

Heartiest welcome to Satiq Concrete Manufacturer Pvt. Ltd. and Jyamiti and Sea as you join the TLC2 consortium (<https://tlc2.iitm.ac.in/tlc2-consortium-members/>). Looking forward to collaborate with you in creating a stunning and sustainable concrete infrastructure.

TEAK Membership of the TLC2 Industry Consortium at a glance:

- Teak class of membership is for new, small companies and start-ups
- Period of 3 years with a nominal membership fee of Rs. 10,000 per year, and royalty of 1% on sales arising from use of IITM support
- Benefits of TEAK membership: Mentoring by TLC2 faculty members, utilization of TLC2 lab at IITM Discovery campus, Entry for online certification courses and TLC2 events at a discounted rate

## Events - Roundtables on developing research agenda on Organisational Health & Safety (OHS) in Indian Construction



Two closed-door roundtables were organized by Prof. Koshy Varghese and Dr. Nikhil Bugalia at SVNIT Surat on 10th December and at IIT Madras on 18th December in collaboration with Prof. John Gambatese from Oregon State University, Prof. Vineeth Dharmapalan, from University of Hawaii at Manoa, Prof. Dilip A Patel from Sardar Vallabhbhai National Institute of Technology (SVNIT), Surat. We thank Brigade Group for recognizing the importance of the topic in the Indian context and sponsoring the workshop. The workshops' objective was to enable a sincere and genuine dialogue between different stakeholders to share experiences and identify the research needs in organizational health and safety (OHS) for the construction sector in India. The outcomes of the roundtable will also be summarized in the form of a white paper.



Prof. Manu Santhanam, Piyush Chaunsali, Aslam Kunhi Mohamed attended the 18th NCB International Conference & Exhibition on Cement, Concrete and Building Materials from 27 – 29 November 2024 in New Delhi, India with research scholars Bipina Thaivalappil, Nilakanmani Manimaran, Amit Chauhan, Haripan Vislavath, Sriram Pradeep. In picture, Professors and students are with Shri P N Ojha, Joint Director & Head, National Council for Cement and Building Materials.

## Event - Pre-Conference Workshop on Sustainable Construction Materials and Management Practices at NIT Trichy



Pre-Conference Workshop on Sustainable Construction Materials and Management Practices co-organized by CoE on TLC2, IIT Madras & Department of Civil Engineering, NIT Tiruchirappalli took place on December 11 at NIT Trichy.

This workshop explores the use of alternative and recycled materials and state-of-the-art technologies and addresses the challenges and opportunities to embrace sustainable practices in the construction industry.

Sustainability Assessment of Concrete Construction, Utilize Recycled Aggregates from C&D Waste for Rigid Pavements, Recycling of Returned Concrete using Concrete Additives, Application of GFRP bars for Coastal Resilient Infrastructure, Seismic Assessment of Heritage Structures, Challenges and Opportunities for Effective Implementation of Lean Construction in India, Use of Contracts for Implementing Lean and Sustainable Practices in Construction Projects, Policies to Encourage Sustainability in the Built Environment were the topics for discussion. Around 130 participants from NITs and IITM attended the workshop. Heartfelt appreciation goes out to Dr. Jayashree Chakkamalayath, Dr. Prabha Mohandoss and Dr. Santhosh Loganathan for their efforts in organizing the TLC2 workshop.

## Event - IIT Madras CSR Awards & Summit 2024

### CoE on TLC2 attended the IIT Madras CSR Awards & Summit 2024



TLC2 team members are in conversation with honourable minister Dr. TRB Rajaa, Honourable Minister for Industries, Investment Promotion & Commerce, Government of Tamil Nadu on various aspects like alternative binders, lean construction, application 3D Printed concrete in low-cost housing



Prof. Ashwin Mahalingam, Dean, Alumni and Corporate Relations, IIT Madras and faculty member at CoE on TLC2 with TLC2 team members



TLC2 Consortium member Mr. Jayasankar Kentinkara from Ultratech with Dr. Jayasree and Dr. Sujatha at TLC2 stall at IITM CSR Summit 2024

IIT Madras CSR Awards, based on theme of 'Technology-Driven Inclusive Social Impact', recognize companies which have enabled technology based solutions that address prevailing societal challenges across the geography of India through scalable & inclusive initiatives or companies that demonstrate inclusive growth by leveraging technology in CSR to enhance last-mile access and outcomes.

**27<sup>th</sup> January 2025**    **3<sup>rd</sup> Young Researchers' Symposium (YRS) & Award**
**28<sup>th</sup> January 2025**    **One day workshop on TLC2**

The TLC2 Workshop is an annual event aimed at disseminating the recent findings and identifying the new challenges in the areas of TLC2 through collaborations with renowned national and international experts



Invited speakers



**Dr. O. Burkan Isgor**  
Oregon State University,  
USA



**Dr. Antonia Pacios**  
Technical University  
of Madrid, Spain



**Dr. A. John Babafemi**  
Stellenbosch University,  
South Africa



**Dr. K. Siva Teja Chopperla**  
IIT Gandhinagar,  
India



**Dr. Aritra Pal**  
IIT Madras, India



**Dr. Hemanta Doloi**



**Dr. R. K. M. Bharadwaj**  
University of Sharjah, UAE



**Dr. Makarand Hastak**  
Purdue University, USA



**Mr. Srinivasan T**  
Larsen & Toubro, India



**Dr. Anil Sawhney**  
Royal Institution of Chartered  
Surveyors (RICS), USA

Young Researchers' Symposium (YRS) is an international forum for senior PhD students and recent doctoral graduates to showcase their cutting-edge research outcomes in the areas of Technologies for Low-Carbon and Lean Construction (TLC2).



**The Prestigious  
Prof. Surendra P. Shah Award is  
given to the best speaker of YRS**



## YRS SPEAKERS 2025

Vikash Kumar Singh IIT Gandhinagar, India	Pitabash Sahoo Indian Institute of Science Bengaluru, India	Anupama V A IIT Madras, India
W. R. A. Nalaka Jayantha University of Moratuwa, Sri Lanka	Ma Cho Zin Win Yangon Technological University, Myanmar	Avinaya Tripathi Arizona State University, USA
S. Senthamizh Sankar SRM Institute of Science and Technology, India	Mohamed Elshorbagi Western Sydney University, Australia	Arvind Vishavkarma IIT Kanpur, India
Uday Boddepalli IIT Guwahati, India	Bipina Thaivalappil IIT Madras, India	Giacomo Rizzieri Politecnico di Milano, Italy