

The Civil Chronicle



KUMARAGURU
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The magazine of the Department



KUMARAGURU
COLLEGE OF TECHNOLOGY
character is life



CIOB
The Chartered
Institute of Building

Organized by Department of Civil Engineering
(An International Project Expo)

FutureScape'26

Designing a world beyond boundaries

JAN 2026 | 10 AM ONWARDS



JANUARY – MAY 2026

From agreements to action: internships, international voices, BIM training and a global expo

ACADEMIC YEAR 2025 – 26

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January – May 2026

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From Agreements to Action

The first months of 2026 were about turning intent

into activity. On 2 January the Department signed an MoU with CNI Foundation for structured internships and skill certification. Five days later the Bentley Education Hub was introduced to students and faculty, the first event under the Bentley MoU signed in September, and in early February two faculty members trained on MicroStation at Bentley's Pune office.

The Department also looked outwards. FutureScape'26 on 29 January, held with the Chartered Institute of Building, drew 290 participants and a jury from the University of Queensland, University College London, CSIR-NEERI and NUS. Professor Emmanuel Essah of the University of Reading spoke on sustainable construction, a professor from NUS co-taught water and waste management, and a visiting international expert spent three days at KCT, with a master class and a field visit to a tribal village.

An MoU only matters when students use what it offers. This term, the agreements signed in 2025 began to reach the classroom.

In the classroom, industry came in through the co-teaching and 1C1C programmes: cement's full life cycle from Adani Cement, highways and harbours from NHAI, environmental impact assessment from a consultancy manager, interior design practice, structural design, and precast and prestressed concrete. A thirty-hour BIM training on Autodesk Revit reached 120 second-year students, delivered by the same firm that hosted a faculty immersion in December.

Students had their say too. The Poster Challenge asked them to honour the unsung heroes of construction, and Mix and Mold Mania gave a rare and instructive result: no team could hit the target concrete grade, so no winner was declared.

This issue closes on 7 May 2026, with an expert session on precast and prestressed concrete for PG students. As with every issue, the pages that follow record every programme, whether or not it was photographed.

The Editorial Team

Department of Civil Engineering, KCT

BY THE NUMBERS

The Period at a Glance

January – May 2026 · Academic Year 2025–26

25

Programmes recorded

1

MoU signed (CNI Foundation)

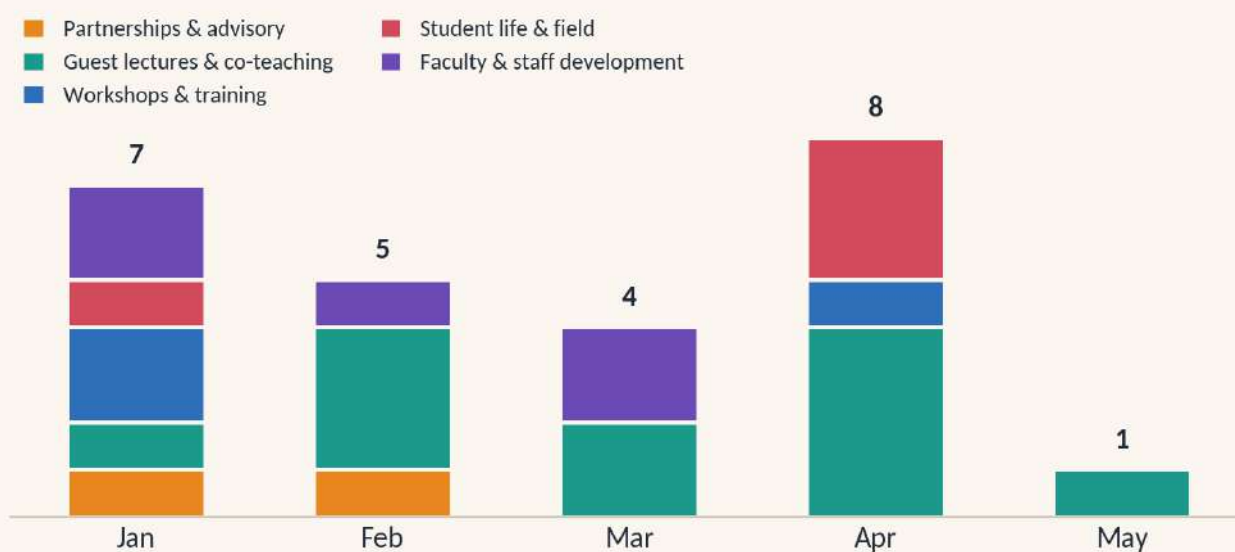
11

Co-teaching & guest sessions

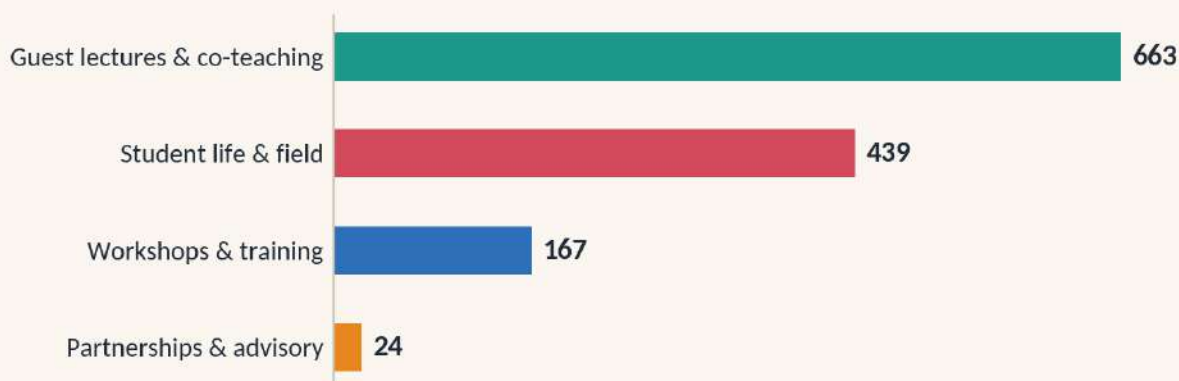
1,293

Participations recorded

Programmes by month and type



Recorded participation by type

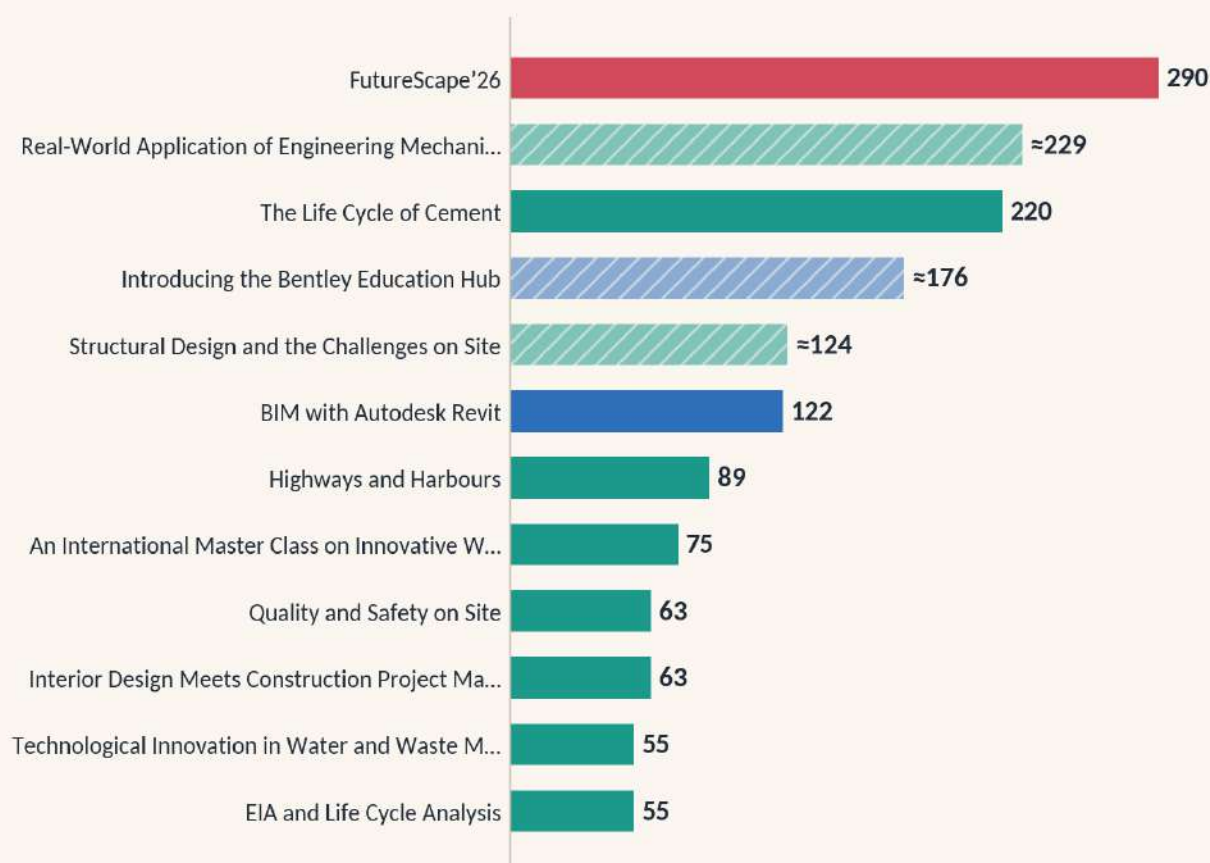


Participation counts only programmes with a recorded headcount; faculty-development entries (courses, conferences, visits) record no headcount and are counted as programmes, not participations.

Programmes by Participation

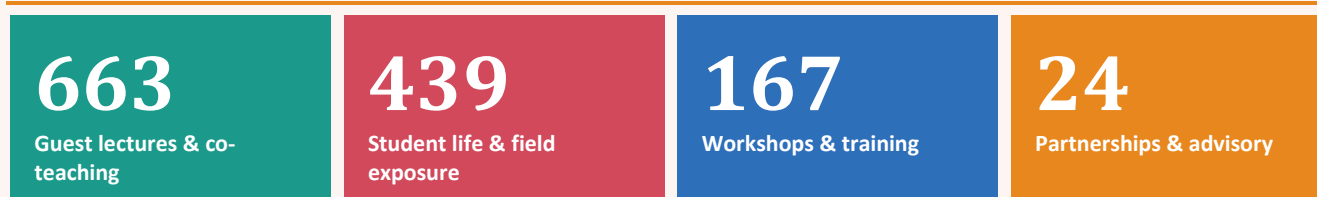
The twelve best-attended programmes of the period

Twelve largest programmes, by headcount



Solid bars are recorded attendance; hatched bars (≈) are expected headcounts taken from the programme record.

How participation splits by type



FutureScape'26 drew the largest headcount of the period, at 290 participants, followed by Real-World Application of Engineering Mechanics with about 229. Together, the twelve programmes charted above account for roughly 121 per cent of the 1,293 participations recorded in this issue.

The chart is a reminder that reach and depth are different measures: a large expo or lecture brings many students into contact with the Department, while a workshop or a signing ceremony may involve a few people whose work shapes what every later student experiences.

HIGHLIGHTS

Moments That Defined the Period

January – May 2026

1

The Department signed an MoU with CNI Foundation (2 January 2026) for structured internships, site-based learning and skill certification.

2

FutureScape'26, an international project expo held with CIOB on 29 January, drew 290 participants and a jury from the University of Queensland, UCL and CSIR-NEERI.

3

International experts contributed: Prof. Emmanuel Essah (University of Reading), Prof. Hadas Mamane (master class) and Dr. Rajasekhar (NUS).

4

A 30-hour industry-delivered BIM training under the FCLF Emerging Stack reached 120 second-year students in April 2026.

5

Adani Cement's Technical Head spoke on the life cycle of cement to 220 participants, and The Ramco Cements agreed to host field visits and share live problem statements.

6

Bentley's Education Hub was introduced on 7 January as the first event under the Bentley MoU, and two faculty trained on MicroStation at Bentley's Pune office.

7

Eleven co-teaching and guest-lecture sessions were delivered, including NHAJ, GLCS, Tamil Interiors and JPG Housing & Projects.

January

January – May 2026

January

The MoU with CNI Foundation opened the year on 2 January, followed by the Bentley Education Hub seminar (7 January), a quality-and-safety guest lecture (19 January) and a Tekla Structures workshop (24 January). On 29 January, FutureScape'26 brought an international jury to campus while technical staff trained in Salem on electrospinning. Two technical staff members also attended WIIM-2026 (5–10 January).

2 Jan 2026

- KCT and CNI Foundation Sign an MoU for Internships and Skills

5–10 Jan 2026

- WIIM-2026: Interpretation of Instrumental Methods

7 Jan 2026

- Introducing the Bentley Education Hub

19 Jan 2026

- Quality and Safety on Site: Practice, Risk and Real Challenges

24 Jan 2026

- Tekla Structures: 3D Modelling of Steel and Concrete

29 Jan 2026

- FutureScape'26: Designing a World Beyond Boundaries

29 Jan 2026

- One-Day Workshop on Electrospinning

February · March

January – May 2026

February

Faculty trained at Bentley Systems' Pune office (3–4 February). Prof. Emmanuel Essah spoke on sustainable construction on 5 February, and The Ramco Cements met the Department on 11 February. On 24 February an NUS professor co-taught water and waste management online, and on 27 February Adani Cement's Technical Head traced the life cycle of cement for 220 participants.

- | | |
|--------------|--|
| 3–4 Feb 2026 | ● Immersive Training on Bentley MicroStation |
| 5 Feb 2026 | ● Sustainable Construction Management: A View from the University of Reading |
| 11 Feb 2026 | ● Ramco Cements and KCT Agree a Collaboration Roadmap |
| 24 Feb 2026 | ● Technological Innovation in Water and Waste Management |
| 27 Feb 2026 | ● The Life Cycle of Cement: From Quarry to Retail Shelf |

March

A KCT expert team discussed micro-turbine hydropower at Siruvani Water Treatment Plant (4 March), Department authors presented three papers at ICUPCED-26 (7 March), NHAI's project engineer co-taught highway and harbour components (24 March) and first-year students attended a 1C1C session on engineering mechanics (27 March).

- | | |
|-------------|---|
| 4 Mar 2026 | ● Micro-Turbines at Siruvani: Towards an Energy-Self-Sufficient Water Plant |
| 7 Mar 2026 | ● ICUPCED-26: Three Papers, One Online Conference |
| 24 Mar 2026 | ● Highways and Harbours: Components, Safety and Durability |
| 27 Mar 2026 | ● Real-World Application of Engineering Mechanics |

April · May

January – May 2026

April

The busiest month of the issue. An EIA and life cycle analysis session earned a 4.68/5 rating (6 April), the Poster Challenge ran online, and on 10 April an interiors expert, the Mix and Mold Mania contest and the start of the thirty-hour BIM programme shared the calendar. On 17 April, students visited a tribal village to collect water-quality data, and on 18 April an international master class closed the month.

6 Apr 2026	● EIA and Life Cycle Analysis: Where Assessment Meets Consultancy
6–13 Apr 2026	● Silent Pillars: A Poster Challenge for the Unsung Heroes of Construction
10 Apr 2026	● Interior Design Meets Construction Project Management
10–15 Apr 2026	● BIM with Autodesk Revit: A Thirty-Hour Industry Programme
10 Apr 2026	● Mix and Mold Mania: Can You Hit the Target Grade?
17 Apr 2026	● Structural Design and the Challenges on Site
17 Apr 2026	● Water-Quality Data from a Tribal Village
18 Apr 2026	● An International Master Class on Innovative Water Technologies

May

The issue closes on 7 May with a 1C1C session on precast and prestressed concrete technology for PG Structural Engineering students, delivered by the founder president of the Structural Engineers Association of Tamil Nadu.

7 May 2026	● Precast and Prestressed Concrete: Current Industry Insights
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SECTION 01

Partnerships & Advisory

Agreements in action

The CNI Foundation MoU and a strategic meeting with The Ramco Cements set out routes to internships, live problem statements and skill certification for students.

IN THIS SECTION

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MoU SIGNING

KCT and CNI Foundation Sign an MoU for Internships and Skills

A formal industry–academia framework for structured internships, site-based learning and skill certification across Tamil Nadu.



PARTICIPATION

14

participants

10 KCT faculty, 4 industry experts

WHEN

2 January 2026

WHERE

Civil Engineering Conference Hall,
KCT

ABOUT THE PROGRAMME

Construction skills are learned on sites, and sites are best reached through partners who know the industry. The Department signed an MoU with CNI Foundation (Construction Network of India), to establish a formal industry–academia collaboration, facilitate structured internships and site-based learning, and introduce skill-development and certification programmes aligned with industry needs.

WHAT HAPPENED

The MoU was signed on 2 January 2026 by the Principal of KCT and the Director of CNI Foundation at the Civil Engineering Conference Hall. Four industry experts and ten faculty members took part in discussions on internships across Tamil Nadu, skill-training programmes, certification and incubation models, and the meeting established a framework for long-term collaboration.

KEY OUTCOMES

- Structured internship and site-training opportunities for Civil Engineering students
- Enhanced industry exposure and practical skill development
- Benchmark skill assessment and certification for students
- Improved employability and off-campus placement support
- A foundation for a long-term skill-development centre with industry

INDUSTRY PARTNERS

Mrs. Kavitha Palaniswamy, Director, CNI Foundation; Mr. C. M. Shanmugasundram and Mrs. Amirtha Priya, Regional Directors (Coimbatore), Construction Network of India; Mr. Veeramanikandan, Managing Director, NiMi Associates

COORDINATED BY

Mr. Aswin Bharath A

HOW IT WAS RECEIVED

The event was highly productive and well received by both sides. Industry representatives expressed strong interest in supporting student training, and faculty called the MoU a significant step towards industry readiness.

WHY IT MATTERS

Internships are where a degree turns into a career. A standing agreement with a network of contractors and builders widens the sites and firms open to Civil students.

INDUSTRY MEETING

Ramco Cements and KCT Agree a Collaboration Roadmap

Field visits, live problem statements and internship pathways were the agenda at a strategic meeting with The Ramco Cements Limited.

PARTICIPATION

10

participants

4 KCT faculty, 6 industry representatives

WHEN

11 February 2026

WHERE

KCT

Both sides found the discussion productive: Ramco agreed to host field visits and share live problem statements, and the Department welcomed the boost to student employability.

ABOUT THE PROGRAMME

Cement is one of the few materials every civil engineer uses every day, and the companies that make it hold a wealth of practical problems. The strategic meeting aimed to strengthen industry–institute collaboration with The Ramco Cements Limited, to explore structured student training, site visits and field-based learning, and to identify industry problem statements and internship pathways.

WHAT HAPPENED

Ten participants, four KCT faculty and six industry representatives, met at KCT with Mr. K. Vigneswar of Ramco. Discussions covered student training, site exposure, live problem statements and internships, and the meeting concluded with an agreed collaboration roadmap.

WHY IT MATTERS

Live problem statements turn final-year projects into work that industry cares about, and field visits let students see theory operating at industrial scale.

KEY OUTCOMES

- Initiation of structured training programmes with Ramco Cements
- Opportunities for field visits, site exposure and real-time industry learning
- Industry-supported problem statements for student projects and research
- Enhanced practical knowledge and employability skills
- A stronger industry–institute partnership for future initiatives

INDUSTRY PARTNER

Mr. K. Vigneswar, Deputy Manager, The Ramco Cements Limited

COORDINATED BY

Mr. Aswin Bharath A, Dr. V. Gayathri

SECTION 02

Industry Co-Teaching & Guest Lectures

Experts in every classroom

Eleven co-teaching and guest sessions brought cement, highway, environmental-assessment, interior-design and prestressed-concrete practice to students, alongside three international voices.

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GUEST LECTURE

Quality and Safety on Site: Practice, Risk and Real Challenges

A design engineer from Coimbatore linked the Construction Project Management syllabus to what happens on live sites.



PARTICIPATION

63

participants

60 third-year students, 2 faculty

WHEN

19 January 2026

WHERE

KCT

ABOUT THE PROGRAMME

Quality and safety are the two disciplines that decide whether a project finishes well. This guest lecture was organised to expose students to industry practices in construction quality and site safety management, to link the Construction Project Management syllabus with real-time field application, and to create awareness of hazard identification and risk mitigation.

WHAT HAPPENED

The session began with quality-control processes and site documentation, then moved to safety systems, hazard identification and real-time site challenges, and closed with an interactive discussion. Sixty third-year B.E. students and two faculty attended.

HOW IT WAS RECEIVED

Participants noted that site-based examples made quality and safety procedures easier to relate to the course. The segment on real-time site challenges was rated most useful, and students asked for similar sessions with a site-visit component.

KEY OUTCOMES

- Practical understanding of quality and safety management on construction sites
- Awareness of hazard identification and risk mitigation
- Knowledge of industry best practices
- Ability to apply syllabus concepts to real-time project situations

RESOURCE PERSON

Mr. C. Sukan Karthik, Design Engineer,
Modish 3D Designers, Coimbatore

COORDINATED BY

Mr. Aswin Bharath A

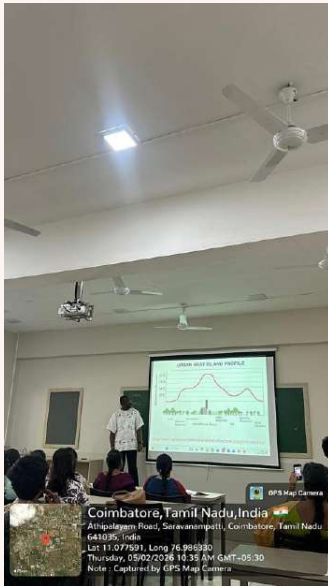
WHY IT MATTERS

A safety procedure is easiest to remember when it is attached to a real incident or a real drawing. Practitioners are best placed to make that link.

INTERNATIONAL EXPERT

Sustainable Construction Management: A View from the University of Reading

The Head of the School of the Built Environment shared global perspectives on low-carbon buildings and energy-efficient design.



PARTICIPATION

43

participants

35 students, 8 faculty

WHEN

5 February 2026 · 10:00 – 11:00 am

WHERE

Hall C-125, C Block, KCT

ABOUT THE PROGRAMME

Buildings account for a large share of energy use and emissions, so how they are designed and managed matters far beyond the site. This knowledge-sharing session was organised to expose students and faculty to international best practice in sustainable construction management, to deepen their understanding of sustainability standards, renewable-energy integration and energy-efficient building systems, and to promote global research perspectives.

WHAT HAPPENED

Professor Essah covered low-carbon and green building technologies, renewable-energy integration such as building-integrated photovoltaics (BIPV) and solar systems, building energy modelling and simulation tools, indoor environmental quality, moisture transport and CFD applications, and models of industry-academia collaboration.

KEY OUTCOMES

- Insights into international best practice in sustainable construction management
- Understanding of sustainability standards, policies and real-world applications
- Awareness of BIPV, solar systems and energy modelling tools
- Global perspectives and openings for collaboration in sustainable construction research

GUEST SPEAKER

Prof. Emmanuel Essah, Head of School (Built Environment), University of Reading, UK

COORDINATED BY

Dr. B. Nithyalakshmi, Dr. K. Ramadevi, Dr. U. Sindhu Vaardini

HOW IT WAS RECEIVED

Faculty and students gave highly positive and encouraging feedback, appreciating the insightful presentation and its global perspectives on emerging innovations in the built environment.

WHY IT MATTERS

Hearing how another country's built-environment school approaches carbon, energy and comfort helps students see their own projects in a wider frame.

CO-TEACHING · ONLINE

Technological Innovation in Water and Waste Management

A professor from the National University of Singapore brought membrane filtration, nature-based solutions and smart water systems into the classroom.

PARTICIPATION

55

participants

50 students, 5 faculty

WHEN

24 February 2026

WHERE

Geospatial Analysis Laboratory, KCT
(online session)

Students found the session engaging and insightful, valued the case studies and interactive method, and said the lecture motivated them to explore research and apply sustainable concepts in their academic and project work.

ABOUT THE PROGRAMME

Water and waste systems are being reshaped by sensors, data and new treatment materials. The online co-teaching session was arranged to enhance students' understanding of sustainable water and waste management through exposure to real-world applications, technological innovations and global practice.

WHAT HAPPENED

The session combined theory with real-world case studies and emerging technologies such as membrane filtration, nature-based solutions and smart water-management systems. Students valued the clear, interactive teaching style.

WHY IT MATTERS

Sustainable water management is a global challenge and a local one. Connecting KCT's classrooms with an international expert widens the horizon of student projects.

KEY OUTCOMES

- Exposure to advanced water and waste management technologies
- Awareness of smart monitoring, circular-economy systems and AI-based solutions
- International knowledge exchange and collaborative learning
- Motivation to explore research opportunities

RESOURCE PERSON

Dr. Rajasekhar, Professor, National University of Singapore

COORDINATED BY

Dr. S. Rajalakshmi

EXPERT TALK

The Life Cycle of Cement: From Quarry to Retail Shelf

Two hundred students followed cement through mining, manufacture, testing, storage and distribution, and asked what a greener cement could look like.



PARTICIPATION

220

participants

200 students, 20 faculty

WHEN

27 February 2026

WHERE

C Block, KCT

ABOUT THE PROGRAMME

Cement is the binder behind almost every building the students will design. The Expert Talk on the Life Cycle of Cement was organised to give students practical knowledge of cement's journey from raw materials to retail distribution, and to bridge academic learning with real-time industry practice in construction materials.

WHAT HAPPENED

The Head of the Department, Dr. V. Gayathri, welcomed the gathering, and Dr. A. Geethakarthis set the context. The speaker, Technical Head for Tamil Nadu at Adani Cement, explained cement manufacturing processes, testing methods and storage, followed by an interactive discussion. The talk also opened the question of green alternatives to cement.

HOW IT WAS RECEIVED

Participants found the session highly informative and relevant to the curriculum. Real-world examples and industry insights were especially appreciated, and the interactive discussion with the expert kept the session engaging.

KEY OUTCOMES

- Basics of cement manufacturing from raw material to market
- Testing methods and storage practice
- Scope for developing green alternatives to cement
- Closer link between coursework in materials and industry practice

RESOURCE PERSON

Mr. Murugu Elan Thendral, Technical Head – Tamil Nadu (Adani Cement Customers)

COORDINATED BY

Mr. K. Sathiyathan, Dr. A. Geethakarthis

WHY IT MATTERS

Cement production is a major source of emissions. Students who understand the whole life cycle are the ones who will be able to improve it.

CO-TEACHING

Highways and Harbours: Components, Safety and Durability

A serving NHAI project engineer returned for a second semester of co-teaching, this time adding harbour structures.



PARTICIPATION

89

participants

85 students, 4 faculty

WHEN

24 March 2026

WHERE

Hall C124, KCT

ABOUT THE PROGRAMME

Transport infrastructure is the backbone of trade, and ports and highways together make up the chain. This co-teaching session was arranged to expose students to the structural and functional components of highways and harbours, and to apply industry-oriented concepts to enhance safety, durability and efficiency in infrastructure development.

WHAT HAPPENED

Mr. Richard Samuel, Project Engineer at NHAI in Coimbatore, guided students through the components that make up highway and harbour infrastructure and how they are constructed, using practical project examples. He had also co-taught highway estimation, design and BOQ sessions for the Department in October 2025.

KEY OUTCOMES

- Understanding of structural and functional components of highways and harbours
- Application of industry-oriented concepts to safety, durability and efficiency
- Better recall of construction concepts through practical examples

RESOURCE PERSON

Mr. Richard Samuel, Project Engineer, National Highways Authority of India, Coimbatore

COORDINATED BY

Dr. U. Sindhu Vaardini, Dr. B. Nithyalakshmi

HOW IT WAS RECEIVED

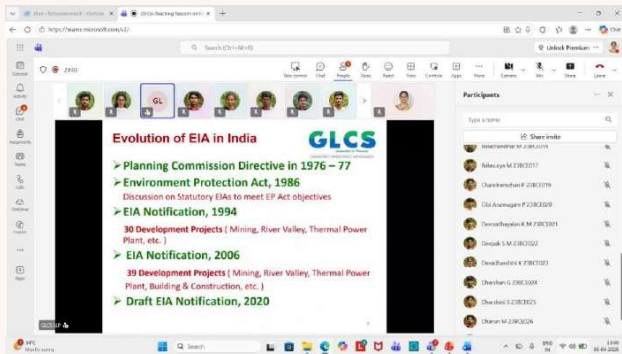
Students said it was easy to understand the concepts through practical examples.

WHY IT MATTERS

Repeated engagement with one practitioner lets students follow a project from design to construction, and makes it easier to ask for the next topic they want to hear.

EIA and Life Cycle Analysis: Where Assessment Meets Consultancy

A consultancy manager showed how environmental assessments are actually done, and students rated the session 4.68 out of 5.



PARTICIPATION

55

participants

50 students, 5 faculty

WHEN

6 April 2026

WHERE

KCT (online)

ABOUT THE PROGRAMME

Environmental Impact Assessment (EIA) and Life Cycle Analysis (LCA) decide whether a project may proceed and how sustainable it is. The session was designed to enhance students' understanding of EIA and LCA concepts and applications, to provide industry-oriented practical exposure through expert interaction, to bridge academic learning with real-world assessment practice and to create awareness of environmental consultancy careers.

WHAT HAPPENED

In an expert-led co-teaching session, the speaker took students beyond conventional classroom learning to practical applications of EIA and LCA, insights into consultancy practice, and the role these tools play in sustainable environmental decision-making. Case studies and an interactive approach kept students engaged.

KEY OUTCOMES

- EIA procedures and regulatory frameworks
- Ability to interpret the environmental impacts of projects
- Basic competency in applying LCA tools for sustainability assessment
- Awareness of environmental management practice and consultancy careers

RESOURCE PERSON

Dr. Nithia Priya P. M., Manager – Consultancy, Global Lab and Consultancy Services LLP (GLCS)

COORDINATED BY

Dr. B. Nithyalakshmi, Dr. U. Sindhu Vaardini

HOW IT WAS RECEIVED

Students gave the event highly positive feedback, with an overall mean rating of 4.68 out of 5, appreciating the industry-oriented exposure, practical examples, case studies and interactive approach.

WHY IT MATTERS

Environmental consultancies are a large employer of environmental engineers. A practitioner's account helps students judge whether that career is for them.

GUEST LECTURE • 1C1C

Interior Design Meets Construction Project Management

A managing director of an interiors firm showed sixth-semester students how a design becomes a delivered project.



PARTICIPATION

63

participants

60 students, 3 faculty

WHEN

10 April 2026

WHERE

KCT

ABOUT THE PROGRAMME

Interior projects run on the same disciplines as any construction job, project execution, scheduling, cost and client management, but in tighter spaces and on tighter budgets. Delivered under the 1C1C initiative for sixth-semester students, the lecture aimed to introduce the integration of interior design practice with construction project management and to create awareness of entrepreneurship and business strategy in the interior design industry.

WHAT HAPPENED

Mr. A. Enayathulla covered project coordination, cost estimation, quality control and client management in interior projects, and spoke on entrepreneurship and business strategy in the interior design industry. Sixty students and three faculty attended.

KEY OUTCOMES

- Integration of interior design with construction project management processes
- Insights into project execution, scheduling and coordination challenges
- Cost estimation, client management and quality control in interiors
- Awareness of entrepreneurship and business strategy in interior design
- Clearer understanding of industry expectations and professional practice

RESOURCE PERSON

Mr. A. Enayathulla, Managing Director, Tamil Interiors

COORDINATED BY

Mr. Aswin Bharath A, Ms. Chitra Shijagurumayum

HOW IT WAS RECEIVED

Students found the practitioner's project examples valuable, and many expressed interest in interior design as a career and requested a follow-up site-exposure session.

WHY IT MATTERS

Interiors are a fast-growing part of the built environment, and for many graduates a route to running their own business.

INTERNATIONAL MASTER CLASS

An International Master Class on Innovative Water Technologies

A visiting international professor spent three days at KCT, with a master class, a field visit and NGO networking.

PARTICIPATION

75

participants

45 KCT, 30 external

WHEN

18 April 2026

WHERE

MBA Lecture Hall, KCT Business School, MVB Building

Feedback on the master class was recorded as Good and excellent.

ABOUT THE PROGRAMME

Water technology is advancing quickly, and international exchange is one of the fastest ways for a department to catch up. The master class was organised as an international expert lecture for students to understand innovative water technologies, with the wider aim of building an international network and research development.

WHAT HAPPENED

Professor Hadas Mamane visited KCT with Dr. C. Velmurugan for three days. The visit included the master class, an industry visit and networking on field projects with NGOs such as Siruthuli. The KCT audience was joined by external students and faculty.

WHY IT MATTERS

A three-day visit does more than one lecture: it creates relationships that lead to joint projects, student exchanges and research collaborations.

KEY OUTCOMES

- Exposure to innovative water technologies through an international expert
- International network and research development
- Networking around field projects with NGOs including Siruthuli
- A field visit to a tribal village during the three-day stay

VISITING EXPERTS

Prof. Hadas Mamane, with Dr. C. Velmurugan

COORDINATED BY

Dr. A. Geethakarathi, Dr. B. Nithyalakshmi

Real-World Application of Engineering Mechanics

27 March 2026 | C Block, KCT

A first-year 1C1C session for Civil, Mechanical, Mechatronics, Aeronautical and Automobile students.

Part of the 1C1C (One Credit One Course) programme in the R24 curriculum for first-year UG students of Civil, Mechanical, Mechatronics, Aeronautical and Automobile Engineering, this industry-expert session for a syllabus module showed students how engineering mechanics is applied in the real world. Reaching over 200 first-year students at once, the session connected the first course in mechanics to the structures, machines and vehicles they will later design.

OUTCOMES Real-world applications of engineering mechanics ▪ Industry perspective for first-year students

RESOURCE PERSON Mr. R. Palani Murugan, Consultant, Megam Solutions **PARTICIPATION** About 229 expected (225 students, 4 faculty)

Structural Design and the Challenges on Site

17 April 2026 | Hall C-125, C Block, KCT

Industry engineers spoke to third-year students on design, materials and site realities.

Under the 1C1C category, two industry engineers from Coimbatore addressed the course on Design of Masonry and Reinforced Concrete Elements. Their session, on structural design and the challenges civil engineering graduates face on construction sites, gave students exposure to the design of structural elements, case studies and the practical issues of site work, including the quality of materials.

OUTCOMES Design of structural elements through case studies ▪ Challenges on construction sites, including material quality

RESOURCE PERSONS Er. P. Gomathi Sankar, Marketing Manager, BuildersMat.com; Er. T. Vinoth Kumar, Web Design Engineer, BuildMat.com & Kovai Infraa **PARTICIPATION** About 124 expected (120 students)

Precast and Prestressed Concrete: Current Industry Insights

7 May 2026 | KCT

The founder president of the Structural Engineers Association of Tamil Nadu taught PG students.

This industry-expert teaching session, delivered under 1C1C for PG Structural Engineering students, introduced the design of precast and prestressed concrete structural elements. It combined real-time case studies with the practical challenges civil engineers face during construction, including quality control of materials and execution practices, and is the final industry-expert session recorded in this issue.

OUTCOMES Design of precast and prestressed elements ▪ Case studies and execution challenges

RESOURCE PERSON Dr. M. J. Gopinathan, Founder President, Structural Engineers Association of Tamil Nadu; Managing Director, JPG Housing & Projects Pvt. Ltd. **PARTICIPATION** About 18 PG Structural Engineering students

1C1C: One Credit, One Course

How field experts teach alongside the faculty

1C1C, One Credit One Course, brings field experts into the curriculum to deliver focused content over the courses students already take. In the R24 curriculum it forms part of the first-year programme for Civil, Mechanical, Mechatronics, Aeronautical and Automobile Engineering, and the Department also uses it for upper-year courses and PG students. The experts teach alongside the faculty rather than instead of them: the faculty member sets the syllabus module, and the practitioner shows how it plays out on a project.

1C1C sessions in this issue

DATE	COURSE OR TOPIC	EXPERT	AUDIENCE
27 Mar 2026	Engineering Mechanics (first year)	Mr. R. Palani Murugan, Megam Solutions	About 229
10 Apr 2026	Construction project management (6th semester)	Mr. A. Enayathulla, Tamil Interiors	63
17 Apr 2026	Design of Masonry and RC Elements (U18CEI6201)	Er. P. Gomathi Sankar and Er. T. Vinoth Kumar	About 124
7 May 2026	Precast and prestressed concrete (PG Structural)	Dr. M. J. Gopinathan, SEATN	About 18

Why it works

Students consistently say the same thing about these sessions: practical examples make concepts easy to understand. First-year students see how engineering mechanics is used before they have studied a single structure; sixth-semester students see how a design becomes a delivered project; PG students meet the president of the state's structural engineers' association. In each case the practitioner's examples arrive exactly when the syllabus needs them.

Sessions of the same kind delivered earlier in the year appear under Guest Lectures & Co-teaching in the previous issue, including the 5 December 2025 lecture on xenobiotics.

S E C T I O N 0 3

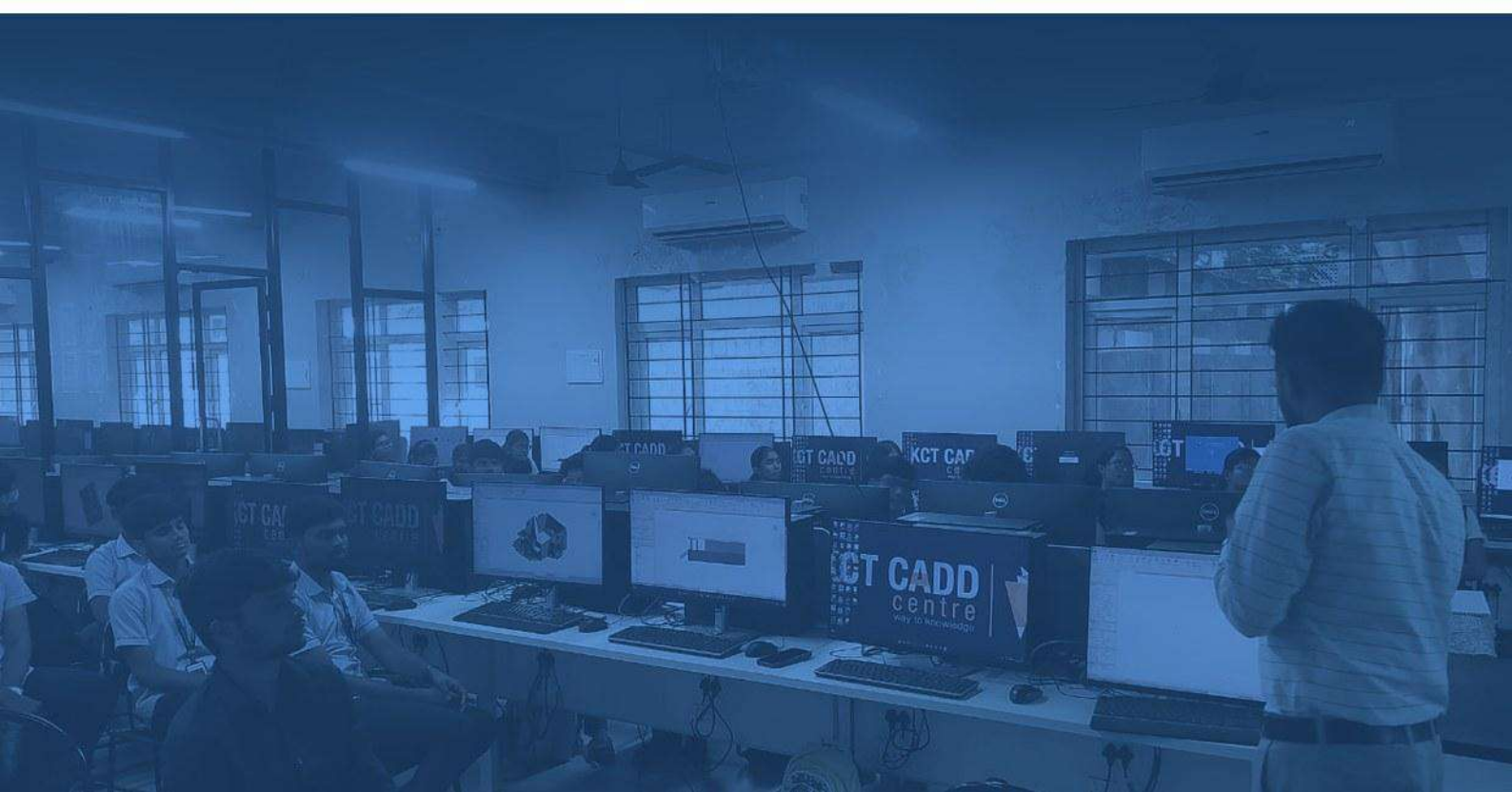
Workshops & Hands-on Training

Software, skills and industry practice

The Bentley Education Hub, Tekla Structures and a thirty-hour BIM programme: workshops that give students working knowledge of the tools of the profession.

I N T H I S S E C T I O N

7 Jan 2026	Introducing the Bentley Education Hub	25
24 Jan 2026	Tekla Structures.....	26
10–15 Apr 2026	BIM with Autodesk Revit.....	27



SEMINAR • FIRST EVENT UNDER THE MoU

Introducing the Bentley Education Hub

Bentley's Director of Education introduced the tools and learning resources now open to KCT students and faculty.

PARTICIPATION

≈176

expected

150 students, 26 faculty

WHEN

7 January 2026

WHERE

KCT

The seminar opened the MoU's implementation phase, which continued a month later when Department faculty trained at Bentley's Pune office.

ABOUT THE PROGRAMME

When KCT signed its MoU with Bentley Systems India in September 2025, the promise was access: to software, to learning resources and to training. This seminar, the first event under the MoU, introduced students and faculty to all of the tools available through Bentley and to the Education Hub through which they can be reached.

WHAT HAPPENED

Mr. Harsh Nagpal, Director of Bentley Education and a key person in the signing of the MoU, addressed a gathering planned for about 176 participants: 150 students and 26 faculty members. He walked the audience through the Bentley tools, including the infrastructure software named in the agreement, and explained how the Education Hub supports learning.

WHY IT MATTERS

An MoU only matters when students use what it offers. This seminar was the moment the agreement reached the classroom.

KEY OUTCOMES

- Awareness of all the tools of Bentley available under the MoU
- Introduction to the Bentley Education Hub for students and faculty
- A first step in putting the MoU into practice
- A base for follow-up training, including faculty training at Bentley's Pune office

RESOURCE PERSON

Mr. Harsh Nagpal, Director, Bentley Education (key person in signing the MoU)

COORDINATED BY

Mr. Nishant, Mr. Gowtham B, Ms. Chitra Shijagurumayum

WORKSHOP

Tekla Structures: 3D Modelling of Steel and Concrete

A Business Development Head from CADPOINT guided students through structural modelling, detailing and material take-offs.



PARTICIPATION

45

students

WHEN

24 January 2026 · from 9:00 am

WHERE

CAD Lab, D Block, KCT

ABOUT THE PROGRAMME

Tekla Structures is a leading tool for detailed 3D models of steel and concrete structures. The Civil Engineering Association organised the workshop to give students hands-on exposure to it, to familiarise them with industry-standard modelling and detailing practices, and to bridge the gap between classroom learning and real-world structural engineering software.

WHAT HAPPENED

On 24 January, at the CAD Lab in D Block, students built structural models under the guidance of the resource person. The session focused on structural modelling and detailing, drawing generation and material take-offs, the workflows through which a model becomes fabrication and construction information.

KEY OUTCOMES

- 3D modelling of steel and concrete structures
- Industry-standard modelling and detailing techniques
- Drawing generation and material take-offs
- Confidence with professional structural modelling workflows

RESOURCE PERSON

Mr. Dinesh Kumar A., ME (Structural Engineering), Business Development Head, CADPOINT, Coimbatore

COORDINATED BY

Mr. K. Sathiyathan, Civil Engineering Association

HOW IT WAS RECEIVED

Feedback was overwhelmingly positive. Students found the session highly informative, appreciated the practical hands-on approach and said it gave them a clear, confident understanding of workflows directly applicable to industry projects.

WHY IT MATTERS

Detailing and take-off are where structural design meets fabrication. Students who can produce them stand out in a structural design office.

30-HOUR INDUSTRY TRAINING

BIM with Autodesk Revit: A Thirty-Hour Industry Programme

One hundred and twenty second-year students built a building model and produced their own drawing set.



PARTICIPATION

122

participants

120 students, 2 faculty

WHEN

10, 13 and 15 April 2026

WHERE

KCT

ABOUT THE PROGRAMME

Delivered under the FCLF Emerging Stack for fourth-semester students, this programme was designed to build a working understanding of BIM concepts, workflows and industry standards, to develop 3D modelling and drawing-generation skills in Autodesk Revit, and to expose second-year students to current industry BIM practice and improve employability.

WHAT HAPPENED

Over a 30-hour programme, the industry trainer covered BIM fundamentals, model creation, families, view generation, schedules and drawing production. The trainer's firm, Modish 3D Designers, is also the office that hosted a Department faculty member's industry immersion in December 2025.

KEY OUTCOMES

- Basic BIM concepts and workflows
- 3D modelling skills using Revit
- Generation of plans, sections and schedules
- Exposure to industry practice
- Improved employability skills

RESOURCE PERSON

Mr. Sugan Karthick C, Design Engineer,
Modish 3D Designers

COORDINATED BY

Mr. Aswin Bharath A, Dr. U. Sindhu Vaardini

HOW IT WAS RECEIVED

Students rated the hands-on format highly and reported confidence in producing a basic building model and drawing set independently. Guided practice blocks were cited as the most useful component, with requests for an advanced module on coordination and quantity take-off.

WHY IT MATTERS

BIM is now a baseline skill for design and construction firms. Every second-year student leaving this programme has produced a model and a drawing set of their own.

Student Life & Field Exposure

Global stage, local hands

An international expo with 290 participants, a poster contest for construction's unsung heroes, a concrete-mix challenge and a water-quality field visit to a tribal village.

IN THIS SECTION

29 Jan 2026	FutureScape'26.....	29
6-13 Apr 2026	Silent Pillars	30
10 Apr 2026	Mix and Mold Mania	31
17 Apr 2026	Water-Quality Data from a Tribal Village	32



FutureScape'26: Designing a World Beyond Boundaries

An international expo with the Chartered Institute of Building, judged by academics and industry from four countries.



PARTICIPATION

290

participants

including 100 external students, 10 external faculty

WHEN

29 January 2026

WHERE

C Block, KCT

ABOUT THE PROGRAMME

FutureScape'26 was an international project expo organised by the Department in collaboration with the Chartered Institute of Building (CIOB). It showcased innovative and sustainable engineering and design solutions by students and researchers, addressing global challenges and promoting future-ready, resilient and environmentally responsible concepts.

WHAT HAPPENED

Student and research teams presented their work to a jury drawn from the University of Queensland, University College London, CSIR-NEERI, the National University of Singapore (online), CIOB, L&T and Fluidyn. The expo drew 290 participants, including external students and faculty, and gave student teams exposure to international standards and best practices.

HOW IT WAS RECEIVED

With 290 recorded participants, including 100 external students and 10 external faculty, FutureScape'26 had the highest attendance among the events of this issue.

KEY OUTCOMES

- Exposure to international standards and best practices
- Promotion of innovative and sustainable solutions
- Enhanced interdisciplinary learning and collaboration
- Improved research and problem-solving skills

JURY AND GUESTS

Dr. Anthony Halog (University of Queensland); Dr. Manu Sasidharan (University College London); Dr. Kannan Krishnamurthi (CSIR-NEERI); Dr. Rajasekaran (NUS, online); Mr. Matt Doran (CIOB); Er. Ekambaram (L&T); Er. Sreejith (Fluidyn)

COORDINATED BY

Dr. A. Gandhimathi, Dr. S. Rajalakshmi, Dr. S. Anita

WHY IT MATTERS

Presenting to an international jury pushes students to explain their ideas clearly to people who did not follow the project from the start.

POSTER CHALLENGE

Silent Pillars: A Poster Challenge for the Unsung Heroes of Construction

Students turned their attention to the workers, labourers and technicians whose work is rarely credited.

PARTICIPATION

≈20

participants
100 recorded

WHEN

6–13 April 2026

WHERE

Online

Participants found the theme thought-provoking, and many said the challenge pushed them to research and reflect on the contributions of construction workers, which they had not considered in depth before. Some suggested a slightly longer submission window and sample reference material.

ABOUT THE PROGRAMME

The Poster Challenge, Constructing Tomorrow: Silent Pillars, invited students to creatively highlight the unsung heroes of the construction industry, the workers, labourers and technicians whose contributions often go unrecognised. It aimed to develop design thinking and visual-storytelling skills while deepening students' appreciation of the human effort behind engineering achievements.

WHAT HAPPENED

Held online over a week, the challenge asked participants to design original posters around the theme Unsung Heroes in Construction. Coordinated by student coordinators Selvalakshmi E and Rithika K, it encouraged creative expression, originality and social awareness, and the winning entry received a cash prize of ₹1,500.

WHY IT MATTERS

Buildings are made by people. A generation of engineers that remembers this will run better, safer sites.

KEY OUTCOMES

- Technical and historical knowledge about unsung heroes in civil engineering
- Design thinking and visual storytelling skills
- Greater appreciation of the human effort behind construction

ORGANISED BY

Civil Engineering Association

COORDINATED BY

Mr. K. Sathiyathan; student coordinators Selvalakshmi E and Rithika K

HANDS-ON COMPETITION

Mix and Mold Mania: Can You Hit the Target Grade?

Teams designed their own concrete mix, cast cubes and found out how hard it is to hit a target grade.



PARTICIPATION

30

students

WHEN

10 April 2026 · 3:00 – 4:30 pm

WHERE

Structural Technology Centre, KCT

ABOUT THE PROGRAMME

Mix and Mold Mania was organised to give students hands-on experience in designing a concrete mix from first principles, to strengthen their understanding of how mix proportions determine compressive strength, and to encourage precision, teamwork and practical problem-solving.

WHAT HAPPENED

Participating teams designed their own concrete mix, cast standard test cubes and attempted to reach a specified target grade of concrete. In this round, no team satisfied the given criteria, so no winner was declared, a reminder that concrete is unforgiving of small errors in proportioning, mixing and casting.

HOW IT WAS RECEIVED

Participants described the event as an engaging, practical way to apply classroom concepts. They appreciated working with real materials and suggested more frequent, longer sessions with more room to experiment with mix proportions.

KEY OUTCOMES

- Hands-on experience in concrete mixing and cube casting
- Understanding of the link between mix proportions and strength
- Precision, teamwork and practical problem-solving

ORGANISED BY

Civil Engineering Association

COORDINATED BY

Mr. K. Sathiyathan, Civil Engineering Association

WHY IT MATTERS

A missed target grade teaches more than a met one. Students learned what it takes to control a material that cannot be reworked once it sets.

FIELD VISIT

Water-Quality Data from a Tribal Village

Students of an NPTEL–SWAYAM hybrid course collected samples and spoke with the community, alongside international and national experts.

PARTICIPATION

19

participants

about 18 students of the hybrid course

WHEN

17 April 2026

WHERE

Karamadai (Mannar tribal village)

The field exposure and the interaction with the tribal community were described as Good.

ABOUT THE PROGRAMME

Real water-quality data come from real places. Students registered for the hybrid NPTEL–SWAYAM course on water-quality data visited a tribal village near Karamadai to understand real-time water-quality data for analysis, along with data on how people use water.

WHAT HAPPENED

Eighteen students of the course, joined by an international and a national expert, visited the village, collected water samples and interacted with the tribal community about their water use. The visit ran alongside Professor Mamane's three-day stay at KCT.

WHY IT MATTERS

Data collected with a community, rather than about it, is richer and more respectful. It also gives students a taste of the fieldwork behind water-quality studies.

KEY OUTCOMES

- Students will analyse the collected samples to understand and predict people's water use
- Field exposure in data collection alongside experts
- Direct interaction with the community that uses the water

EXPERTS

Prof. Hadas Mamane and Dr. C. Velmurugan

COORDINATED BY

Dr. A. Geethakarathi, Dr. B. Nithyalakshmi

Faculty & Staff Development

Learning that reaches the laboratory

Technical staff trained in instrumental methods and electrospinning, faculty trained at Bentley's Pune office, a technical discussion at Siruvani and papers presented at an international conference.

I N T H I S S E C T I O N

4 Mar 2026	Micro-Turbines at Siruvani.....	34
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5–10 Jan 2026	WIIM-2026: Interpretation of Instrumental.....	36
29 Jan 2026	One-Day Workshop on Electrospinning.....	36
3–4 Feb 2026	Immersive Training on Bentley MicroStation.....	36

TECHNICAL DISCUSSION

Micro-Turbines at Siruvani: Towards an Energy-Self-Sufficient Water Plant

A KCT expert team discussed how a water treatment plant could generate its own power from flowing water.

PARTICIPATION

KCT expert team

WHEN

4 March 2026

WHERE

Siruvani Water Treatment Plant,
Booluvampatti

The stated objective was energy self-sufficiency for the plant: less grid dependence, lower operating costs and a more sustainable water supply.

ABOUT THE PROGRAMME

Water treatment is energy-intensive, and pumping and treatment costs are a major part of any water utility's budget. The discussion at Siruvani Water Treatment Plant explored micro-turbine based hydropower generation as a way to achieve energy self-sufficiency, reduce grid dependence and operating costs, and improve the long-term sustainability of water supply.

WHAT HAPPENED

A key discussion was held by the KCT expert team with Er. Gopalakrishnan at the plant in Booluvampatti. The discussion centred on the plant's objective of self-sufficiency in power.

WHY IT MATTERS

Harnessing energy from the water flowing through existing infrastructure is one of the neatest ways to cut both cost and carbon.

KEY OUTCOMES

- Energy self-sufficiency for the Siruvani plant
- Reduced dependency on grid electricity
- Lower operational costs and enhanced infrastructure efficiency
- Improved long-term sustainability of water supply

WITH

Er. Gopalakrishnan

COORDINATED BY

Dr. A. Geethakarthis

INTERNATIONAL CONFERENCE

ICUPCED-26: Three Papers, One Online Conference

Research papers on urban planning and civil engineering development were presented and published by Department authors.

PARTICIPATION

Faculty and student authors

WHEN

7 March 2026 · 8½ hours

WHERE

Online (hosted by the Society for Education)

The conference is designed as a platform where scholars, researchers, industry professionals and innovators present ground-breaking work.

ABOUT THE PROGRAMME

The International Conference on Urban Planning and Civil Engineering Development (ICUPCED-26), hosted by the Society for Education, brings together scholars, researchers, industry professionals and innovators from around the world. The Department participated to present and publish three research papers, to gain exposure to current work in urban planning and civil engineering development, and to support student research participation and institutional collaboration.

WHAT HAPPENED

On 7 March 2026, a full-day online programme of 8 hours 30 minutes, three papers from the Department were presented and published. The papers gave participating students research exposure, and the Department greater visibility in the research community.

WHY IT MATTERS

Publication is the language of research. Early experience of presenting and publishing prepares students for postgraduate study.

KEY OUTCOMES

- Three papers presented and published
- Research exposure for the participating students
- Visibility for the Department in an international forum
- Institutional collaboration opportunities

ORGANISED BY

Society for Education (SFE)

COORDINATED BY

Mr. Aswin Bharath A

WORKSHOP

WIIM-2026: Interpretation of Instrumental Methods

5–10 January 2026 | Sathyabama Institute of Science & Technology, Chennai

Two technical staff members trained on sophisticated analytical instruments.

The workshop aimed to enhance hands-on competency in operating, troubleshooting and interpreting outputs from sophisticated analytical instruments, and to strengthen the conceptual and practical understanding of advanced instrumental techniques. Two technical staff members from the Department attended.

OUTCOMES Hands-on operating and troubleshooting competence ▪ Interpretation of instrument outputs

ORGANISED BY Sathyabama Institute of Science & Technology, Dept. of Chemistry, Centre for Nano Science & Nanotechnology

PARTICIPATION 2 technical staff

WORKSHOP

One-Day Workshop on Electrospinning

29 January 2026 | Robbell Materials Research Centre (OPC) Pvt. Ltd., Salem

Membrane fabrication for water and wastewater applications.

The workshop introduced electrospinning-based membrane fabrication for environmental applications and highlighted the role of electrospun membranes in water purification, wastewater treatment and pollutant removal. Technical staff from the Department visited the research centre at Salem to learn the technique.

OUTCOMES Electrospinning-based membrane fabrication ▪ Role of electrospun membranes in water and wastewater treatment

HOSTED BY Robbell Materials Research Centre (OPC) Pvt. Ltd. **PARTICIPATION** 2 technical staff

INDUSTRY TRAINING

Immersive Training on Bentley MicroStation

3–4 February 2026 | Bentley Systems, Magarpatta, Pune

Two faculty members trained at Bentley's Pune office under the MoU.

This immersive session on Bentley MicroStation, held at the Bentley Systems Pune office, aimed to give practical insight into advanced MicroStation functionalities, best practice from industry experts, and to strengthen the Department's capability to integrate current design technology into civil engineering education. The technical exposure can be applied to laboratory teaching and student project guidance.

OUTCOMES Advanced MicroStation workflows ▪ Best practices from industry experts ▪ Capability to integrate design technology in teaching

ORGANISED BY Bentley Systems **PARTICIPATION** Faculty participants

Pathways from Campus to Career

Four partnerships, four routes to industry experience

Internships, live problem statements, software access and skill certification are the four ways in which this term's partnerships reach students. The cards below set out what each partner has agreed to, as recorded at the time of each event.

CNI Foundation

2 January 2026 · MoU

- Structured internships and site-based learning across Tamil Nadu
- Benchmark skill assessment and certification for students
- Improved employability and off-campus placement support
- A long-term skill-development centre with industry

Adani Cement · FutureX

5-year agreement, 14 Oct 2025 · Talk, 27 Feb 2026

- Priority access to internships and leadership events
- Collaborative R&D with Adani technical experts
- Life-cycle-of-cement talk for 220 participants

The Ramco Cements

Strategic meeting · 11 February 2026

- Field visits and site exposure for students
- Live, industry-supported problem statements
- Internship pathways and an agreed collaboration roadmap

Bentley Education Hub

Introduced 7 January 2026 · Faculty training 3–4 February 2026

- Access to Bentley tools for students and faculty
- First event under the September 2025 MoU
- MicroStation training at Bentley's Pune office

DIGEST

Outcomes at a Glance

One headline outcome for every programme in this issue

PROGRAMME	WHEN	HEADLINE OUTCOME
01 PARTNERSHIPS & ADVISORY		
KCT and CNI Foundation Sign an MoU for Internships and Skills	2 Jan 2026	Structured internship and site-training opportunities for Civil Engineering students
Ramco Cements and KCT Agree a Collaboration Roadmap	11 Feb 2026	Initiation of structured training programmes with Ramco Cements
02 INDUSTRY CO-TEACHING & GUEST LECTURES		
Quality and Safety on Site	19 Jan 2026	Practical understanding of quality and safety management on construction sites
Sustainable Construction Management	5 Feb 2026	Insights into international best practice in sustainable construction management
Technological Innovation in Water and Waste Management	24 Feb 2026	Exposure to advanced water and waste management technologies
The Life Cycle of Cement	27 Feb 2026	Basics of cement manufacturing from raw material to market
Highways and Harbours	24 Mar 2026	Understanding of structural and functional components of highways and harbours
EIA and Life Cycle Analysis	6 Apr 2026	EIA procedures and regulatory frameworks
Interior Design Meets Construction Project Management	10 Apr 2026	Integration of interior design with construction project management processes
An International Master Class on Innovative Water Technologies	18 Apr 2026	Exposure to innovative water technologies through an international expert

Outcomes at a Glance (continued)

PROGRAMME	WHEN	HEADLINE OUTCOME
Real-World Application of Engineering Mechanics	27 Mar 2026	Real-world applications of engineering mechanics
Structural Design and the Challenges on Site	17 Apr 2026	Design of structural elements through case studies
Precast and Prestressed Concrete	7 May 2026	Design of precast and prestressed elements
03 WORKSHOPS & HANDS-ON TRAINING		
Introducing the Bentley Education Hub	7 Jan 2026	Awareness of all the tools of Bentley available under the MoU
Tekla Structures	24 Jan 2026	3D modelling of steel and concrete structures
BIM with Autodesk Revit	10–15 Apr 2026	Basic BIM concepts and workflows
04 STUDENT LIFE & FIELD EXPOSURE		
FutureScape'26	29 Jan 2026	Exposure to international standards and best practices
Silent Pillars	6–13 Apr 2026	Technical and historical knowledge about unsung heroes in civil engineering
Mix and Mold Mania	10 Apr 2026	Hands-on experience in concrete mixing and cube casting
Water-Quality Data from a Tribal Village	17 Apr 2026	Students will analyse the collected samples to understand and predict people's water use

Outcomes at a Glance (continued)

PROGRAMME	WHEN	HEADLINE OUTCOME
05 FACULTY & STAFF DEVELOPMENT		
Micro-Turbines at Siruvani	4 Mar 2026	Energy self-sufficiency for the Siruvani plant
ICUPCED-26	7 Mar 2026	Three papers presented and published
WIIM-2026	5–10 Jan 2026	Hands-on operating and troubleshooting competence
One-Day Workshop on Electrospinning	29 Jan 2026	Electrospinning-based membrane fabrication
Immersive Training on Bentley MicroStation	3–4 Feb 2026	Advanced MicroStation workflows

Partners Who Came Back

One session opens a door; the next ones build a relationship

Some of the Department's most valuable partners appear more than once in this record. Repeated engagement lets an expert see a course through, lets students follow a project across semesters and lets both sides plan beyond a single event.

Bentley Systems

Infrastructure software

19 Sep 2025 MoU signed with Bentley Systems India
7 Jan 2026 Education Hub introduced to students and faculty
3–4 Feb 2026 MicroStation training at Bentley's Pune office

Adani Cement

Cement business, Adani Group

26–27 Sep 2025 FutureX conclave, Ahmedabad
14 Oct 2025 Five-year partnership agreement
27 Feb 2026 Life-cycle-of-cement talk for 220 participants

Modish 3D Designers

Coimbatore design and BIM studio

17 & 22 Oct 2025 Safety management lecture and Revit workshop
8–19 Dec 2025 Faculty industry immersion
19 Jan 2026 Quality and safety guest lecture
10–15 Apr 2026 30-hour BIM programme for 120 students

National Highways Authority of India

Project engineer, Coimbatore

16 Oct 2025 Estimation and BOQ; highway components and design
24 Mar 2026 Highway and harbour components

National University of Singapore

Academic partner

13 Nov 2025 Expert on the Department Advisory Board
29 Jan 2026 Jury member (online) at FutureScape'26
24 Feb 2026 Co-teaching on water and waste management

Chartered Institute of Building

Professional body

14 Oct 2025 KCT student chapter inaugurated
29 Jan 2026 FutureScape'26 organised in collaboration with CIOB

Voices from Industry and Academia

Resource persons, guests and experts who contributed to the programmes

NAME	DESIGNATION AND ORGANISATION	SESSION
Mrs. Kavitha Palaniswamy	Director, CNI Foundation	KCT and CNI Foundation Sign an MoU for... 2 Jan 2026
Mr. C. M. Shanmugasundram and Mrs. Amirtha Priya	Regional Directors (Coimbatore), Construction Network of India	KCT and CNI Foundation Sign an MoU for... 2 Jan 2026
Mr. Veeramanikandan	Managing Director, NiMi Associates	KCT and CNI Foundation Sign an MoU for... 2 Jan 2026
Mr. Harsh Nagpal	Director, Bentley Education (key person in signing the MoU)	Introducing the Bentley Education Hub 7 Jan 2026
Mr. C. Sukan Karthik	Design Engineer, Modish 3D Designers, Coimbatore	Quality and Safety on Site 19 Jan 2026
Mr. Dinesh Kumar A.	ME (Structural Engineering), Business Development Head, CADPOINT, Coimbatore	Tekla Structures 24 Jan 2026
Dr. Anthony Halog (University of Queensland)	—	FutureScape'26 29 Jan 2026
Dr. Manu Sasidharan (University College London)	—	FutureScape'26 29 Jan 2026
Dr. Kannan Krishnamurthi (CSIR-NEERI)	—	FutureScape'26 29 Jan 2026
Dr. Rajasekaran	NUS, online	FutureScape'26 29 Jan 2026
Mr. Matt Doran (CIOB)	—	FutureScape'26 29 Jan 2026
Er. Ekambaram (L&T)	—	FutureScape'26 29 Jan 2026
Er. Sreejith (Fluidyn)	—	FutureScape'26 29 Jan 2026
Prof. Emmanuel Essah	Head of School (Built Environment), University of Reading, UK	Sustainable Construction Management 5 Feb 2026

Voices from Industry and Academia (continued)

NAME	DESIGNATION AND ORGANISATION	SESSION
Mr. K. Vigneswar	Deputy Manager, The Ramco Cements Limited	Ramco Cements and KCT Agree a... 11 Feb 2026
Dr. Rajasekhar	Professor, National University of Singapore	Technological Innovation in Water and... 24 Feb 2026
Mr. Murugu Elan Thendral	Technical Head – Tamil Nadu (Adani Cement Customers)	The Life Cycle of Cement 27 Feb 2026
Mr. Richard Samuel	Project Engineer, National Highways Authority of India, Coimbatore	Highways and Harbours 24 Mar 2026
Mr. R. Palani Murugan	Consultant, Megam Solutions	Real-World Application of Engineering... 27 Mar 2026
Dr. Nithia Priya P. M.	Manager – Consultancy, Global Lab and Consultancy Services LLP (GLCS)	EIA and Life Cycle Analysis 6 Apr 2026
Mr. A. Enayathulla	Managing Director, Tamil Interiors	Interior Design Meets Construction Project... 10 Apr 2026
Mr. Sugan Karthick C	Design Engineer, Modish 3D Designers	BIM with Autodesk Revit 10–15 Apr 2026
Er. P. Gomathi Sankar	Marketing Manager, BuildersMat.com	Structural Design and the Challenges on Site 17 Apr 2026
Er. T. Vinoth Kumar	Web Design Engineer, BuildMat.com & Kovai Infraa	Structural Design and the Challenges on Site 17 Apr 2026
Prof. Hadas Mamane and Dr. C. Velmurugan	—	Water-Quality Data from a Tribal Village 17 Apr 2026
Prof. Hadas Mamane	with Dr. C. Velmurugan	An International Master Class on... 18 Apr 2026
Dr. M. J. Gopinathan	Founder President, Structural Engineers Association of Tamil Nadu	Precast and Prestressed Concrete 7 May 2026
Managing Director	JPG Housing & Projects Pvt. Ltd.	Precast and Prestressed Concrete 7 May 2026

OUR NETWORK

Organisations We Worked With

Industry, government, professional bodies and academic partners named in this issue

INDUSTRY & PROFESSIONAL PRACTICE

- CNI Foundation
- NiMi Associates
- The Ramco Cements
- Adani Cement
- Bentley Systems
- Modish 3D Designers
- Tamil Interiors
- JPG Housing & Projects
- BuildersMat.com / Kovai Infraa
- Megam Solutions
- Global Lab & Consultancy Services (GLCS)
- CADPOINT, Coimbatore
- L&T
- Fluidyn Consultancy
- Robbell Materials Research Centre

GOVERNMENT, NGOS & PROFESSIONAL BODIES

- National Highways Authority of India
- Siruthuli (NGO)
- Structural Engineers Association of Tamil Nadu
- Chartered Institute of Building (CIOB)
- Society for Education (ICUPCED-26)

ACADEMIC & RESEARCH INSTITUTIONS

- University of Reading, UK
- University of Queensland, Australia
- University College London, UK
- National University of Singapore
- CSIR-NEERI, Nagpur
- Sathyabama Institute of Science & Technology

CALENDAR

Every Programme, in Order

January – May 2026

DATE	PROGRAMME	SECTION
2 Jan 2026	KCT and CNI Foundation Sign an MoU for Internships and Skills	● Partnerships & Advisory
5–10 Jan 2026	WIIM-2026: Interpretation of Instrumental Methods	● Faculty & Staff Development
7 Jan 2026	Introducing the Bentley Education Hub	● Workshops & Hands-on Training
19 Jan 2026	Quality and Safety on Site: Practice, Risk and Real Challenges	● Industry Co-Teaching & Guest Lectures
24 Jan 2026	Tekla Structures: 3D Modelling of Steel and Concrete	● Workshops & Hands-on Training
29 Jan 2026	FutureScape'26: Designing a World Beyond Boundaries	● Student Life & Field Exposure
29 Jan 2026	One-Day Workshop on Electrospinning	● Faculty & Staff Development
3–4 Feb 2026	Immersive Training on Bentley MicroStation	● Faculty & Staff Development
5 Feb 2026	Sustainable Construction Management: A View from the University of Reading	● Industry Co-Teaching & Guest Lectures
11 Feb 2026	Ramco Cements and KCT Agree a Collaboration Roadmap	● Partnerships & Advisory
24 Feb 2026	Technological Innovation in Water and Waste Management	● Industry Co-Teaching & Guest Lectures
27 Feb 2026	The Life Cycle of Cement: From Quarry to Retail Shelf	● Industry Co-Teaching & Guest Lectures
4 Mar 2026	Micro-Turbines at Siruvani: Towards an Energy-Self-Sufficient Water Plant	● Faculty & Staff Development
7 Mar 2026	ICUPCED-26: Three Papers, One Online Conference	● Faculty & Staff Development
24 Mar 2026	Highways and Harbours: Components, Safety and Durability	● Industry Co-Teaching & Guest Lectures
27 Mar 2026	Real-World Application of Engineering Mechanics	● Industry Co-Teaching & Guest Lectures
6 Apr 2026	EIA and Life Cycle Analysis: Where Assessment Meets Consultancy	● Industry Co-Teaching & Guest Lectures
6–13 Apr 2026	Silent Pillars: A Poster Challenge for the Unsung Heroes of Construction	● Student Life & Field Exposure
10 Apr 2026	Interior Design Meets Construction Project Management	● Industry Co-Teaching & Guest Lectures
10–15 Apr 2026	BIM with Autodesk Revit: A Thirty-Hour Industry Programme	● Workshops & Hands-on Training
10 Apr 2026	Mix and Mold Mania: Can You Hit the Target Grade?	● Student Life & Field Exposure
17 Apr 2026	Structural Design and the Challenges on Site	● Industry Co-Teaching & Guest Lectures
17 Apr 2026	Water-Quality Data from a Tribal Village	● Student Life & Field Exposure
18 Apr 2026	An International Master Class on Innovative Water Technologies	● Industry Co-Teaching & Guest Lectures
7 May 2026	Precast and Prestressed Concrete: Current Industry Insights	● Industry Co-Teaching & Guest Lectures

GALLERY

Moments from the Period

Photographs from the programmes in this issue

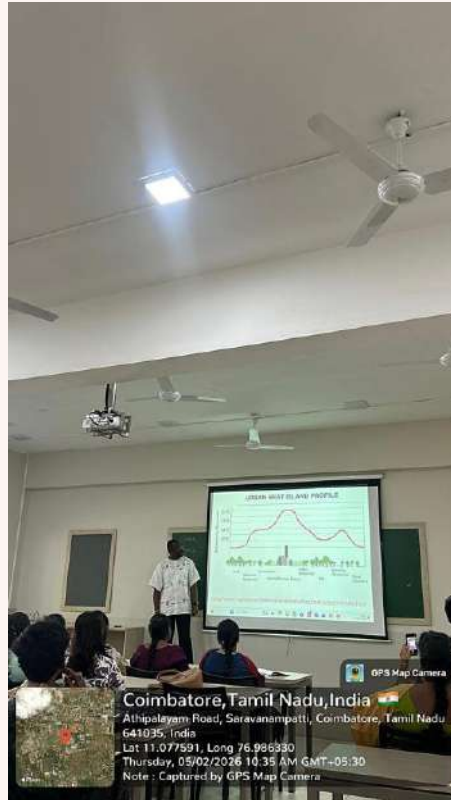


KCT and CNI Foundation Sign an MoU for Internships and Skills



Quality and Safety on Site: Practice, Risk and Real Challenges

Moments from the Period (continued)



Sustainable Construction Management: A View from the University of Reading

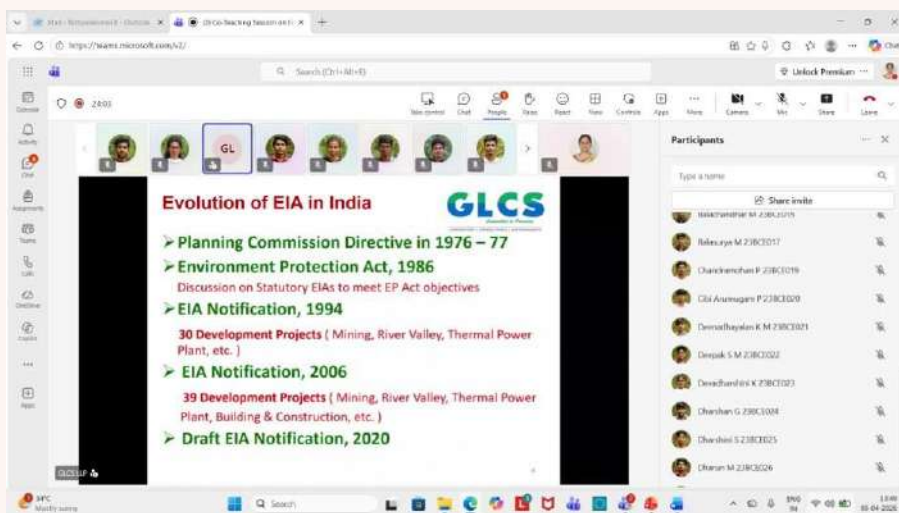


The Life Cycle of Cement: From Quarry to Retail Shelf

Moments from the Period (continued)



Highways and Harbours: Components, Safety and Durability



EIA and Life Cycle Analysis: Where Assessment Meets Consultancy

Moments from the Period (continued)



Interior Design Meets Construction Project Management



Tekla Structures: 3D Modelling of Steel and Concrete

Moments from the Period (continued)



BIM with Autodesk Revit: A Thirty-Hour Industry Programme



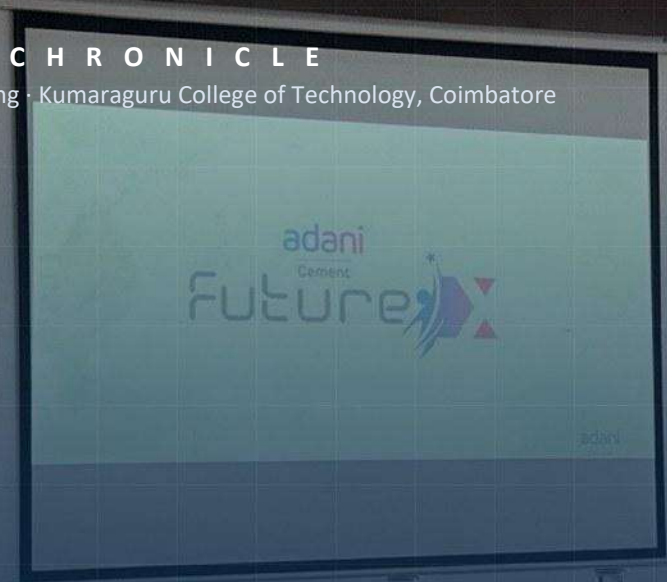
FutureScape'26: Designing a World Beyond Boundaries



Mix and Mold Mania: Can You Hit the Target Grade?

THE CIVIL CHRONICLE

Department of Civil Engineering · Kumaraguru College of Technology, Coimbatore



THE TEAM BEHIND THIS ISSUE



Mr. Aswin Bharath A

Newsletter Coordinator

Assistant Professor, Department of Civil Engineering



Dr. V. Gayathri

Head of the Department

Department of Civil Engineering

Building knowledge, building industry links, building the future.