ಬಿ.ಎಂ.ಎಸ್. ತಾಂತ್ರಿಕ ಮತ್ತು ವ್ಯವಸ್ಥಾಪನಾ ಮಹಾವಿದ್ಯಾಲಯ
BMS INSTITUTE OF TECHNOLOGY & MANAGEMENT
(Autonomous Institution Under VTU)
Yelahanka, Bengaluru -560119

Department of Civil Engineering

PROFESSIONAL SOCIETY ACTIVITIES

No.	Year	Activity	Date	Professional Body	SDG
1	2026	Technical Tak on Low Carbon Concretes for Strong, Durable and Sustainable Construction	10.09.2026	ICI	9, 12, 13
2	2026	CIVITRONICZ Club Inauguration	26.05.2026	CIVITRONICZ	9, 17
3	2026	IEEE GRSS Student Chapter Launch Event	08.05.2026	IEEE	4,9,17
4	2026	INFRA-NOVA 2026 (Civil Engineering Hackathon)	28.03.2026	Institutions & Innovation Council	9,11,12
4	2026	Invited Talk on “Introduction to Bridges”	05.03.2026	ICI	9.1.1; 11.2.1
5	2026	Invited Talk on “Finite Element Analysis of Steel Concrete Composite Columns Abacus Implementations”	09.02.2026	ICI	9.1.1; 11.b.2
6	2025	Panel discussion titled “Bridging the Gap”	31.05.2025	ICE	8.61.1; 9.5.1
7	2024	Invited talk on “Bamboo as a Building Material”	23.12.2024	ICI	9.4.1; 11.c.1; 12.2.1
8	2024	Invited talk on "Smart Urban Infrastructure"	14.10.2024	CINNOVIL & Standard Club	9.1.1; 11.3.1
9	2024	Swachhata Hi Seva Campaign	27.09.2024	BIS	11.6.1; 12.5.1
10	2023	CINNOVIL, Tech-transform 2023	22.12.2023	CINNOVIL Club	9.1.1;11.b.2
11	2023	The membership drive	16.10.2023	ICE-UK	

No.	Year	Activity	Date	Professional Body	SDG
12	2022	Tech Transform	25.11.2022	CINNOVIL Club	9.5.1; 9.1.1;11.2.1; 11.c.1
13	2022	ICE Student Chapter Launch	15.10.2022	ICE	

SDG Legend: SDG 6 — Clean Water and Sanitation | SDG 8 — Decent Work and Economic Growth | SDG 9 — Industry, Innovation and Infrastructure | SDG 11 — Sustainable Cities and Communities | SDG 12 — Responsible Consumption and Production | SDG 13 — Climate Action | SDG 15 — Life on Land | SDG 17 — Partnerships for the Goals

Summary

Low Carbon Concretes for Strong, Durable and Sustainable Constructions-10.09.2026

The Department of Civil Engineering, in association with the Indian Concrete Institute (ICI), organized a technical session titled “Low Carbon Concretes for Strong, Durable and Sustainable Constructions” on 10.09.2026. The session was delivered by Ms. Pooja Chougule, Assistant Manager, JSW Cement Ltd., and focused on low-carbon concrete technologies and their role in promoting strong, durable, and sustainable construction practices. The event was held at LB TR 207, Sir C. V. Raman Block, and coordinated by Dr. Lalit Kumar Gupta.



CIVITRONICZ Club Inauguaration-26.05.2026

The Department of Civil Engineering inaugurated the CIVITRONICZ Club and organized CIVITHON 2026 on 26.05.2026 at the Seminar Hall, Sir M. Visvesvaraya Block. The event was coordinated by Mrs. Shimna Manoharan, with Mr. Karthik Rangarajan, Founder, CEO, and CTO of Agam Robotics, as the Chief Guest. The club was formally launched with the unveiling of its logo to promote innovation and interdisciplinary learning among students. CIVITHON 2026 witnessed enthusiastic participation, with teams presenting innovative solutions to engineering and societal challenges while demonstrating creativity, teamwork, and technical skills. Team Phoenix Code secured first place for its Smart Infrastructure Health Monitoring System, while Team Crack Trackers secured second place for its project, StructGuard AI: Intelligent Digital Twin.



IEEE GRSS Student Chapter Launch Event-08.05.2026

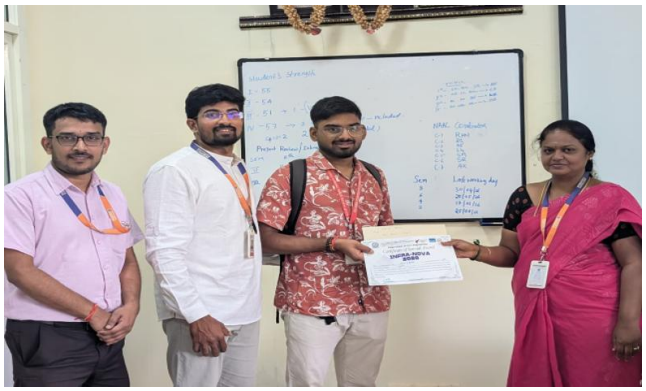
The Department of Civil Engineering organized the IEEE GRSS Student Chapter Launch Event on 08.05.2026 at the BSN Auditorium. The event was conducted under the guidance of Dr. Aruna G., Head of the Department of Civil Engineering, and coordinated by Dhanush Gowda N., Chair of the IEEE GRSS Student Chapter. Faculty coordinators and IEEE Student Branch members contributed to the planning and execution of the event. The programme featured the official launch ceremony and an interactive Geo Quest gaming session, attracting enthusiastic participation from students and faculty members. The event provided a platform for students to explore opportunities in geoscience, remote sensing, and emerging technologies while promoting technical knowledge and professional development.





INFRA-NOVA 2026 (Hackathon)- 28.03.2026 (Institution's Innovation Council)

The Department of Civil Engineering, BMSIT&M, Bengaluru, organized INFRA-NOVA 2026 – Civil Engineering Hackathon on 28.03.2026 in association with the Institution's Innovation Council and BICEP. The event aimed to encourage students to develop innovative solutions to real-world civic, structural, environmental, and infrastructure challenges. Students from the 2nd, 4th, and 6th semesters actively participated and presented prototype-based solutions in areas such as smart infrastructure, sustainable construction, water management, flood prediction, and construction safety. The hackathon promoted design thinking, teamwork, project management, and the application of modern engineering tools. A total prize pool of ₹30,000, along with special awards worth ₹15,000, was announced. The projects were evaluated based on innovation, sustainability, and scalability, with winners receiving prizes and special recognition.





Introduction to Bridges -05.03.2026 (ICI)

The Department of Civil Engineering, under the banner of the Indian Concrete Institute (ICI), organized an invited talk on “Modern Bridge Construction Practices” for students on 05.03.2026. The session was delivered by Sh. Gopalakrishnan S, Senior Project Engineer, AtkinsRéalis Pvt. Ltd. The talk covered bridge engineering, construction in congested areas, international construction practices, beam behaviour, underwater construction techniques, and

specialized construction materials. A total of 71 students participated in the session. The event was coordinated by Dr. Lalit Kumar Gupta.

Invited Talk on "Finite Element Analysis of Steel–Concrete Composite Columns – ABAQUS Implementations" – 09.02.2026

The Department of Civil Engineering, under the banner of the Indian Concrete Institute (ICI), organized an invited talk on "Finite Element Analysis of Steel–Concrete Composite Columns – ABAQUS Implementations" for students on 09.02.2026. The session was delivered by Mr.





Rakshith B. D., Teaching and Research Assistant, VIT Vellore. The talk focused on finite element modelling, ABAQUS applications, structural simulations, composite column analysis, and practical case studies. The session enhanced students' understanding of modern computational tools and promoted problem-solving skills and lifelong learning in structural engineering. The event was coordinated by Dr. Lalit Kumar Gupta.





Panel Discussion on "Bridging the Gap" – 31.05.2025

The Department of Civil Engineering, in collaboration with the ICE Student Chapter, organized a panel discussion titled "Bridging the Gap" on 31.05.2025 to strengthen the academia–

industry interface. Eminent professionals from leading organizations, including AtkinsRéalis, AECOM, Arcadis, and BIAL, shared insights on innovation, professional development, and real-world engineering practices. The event witnessed active participation from over 150 students and encouraged meaningful interaction between students and industry experts. Faculty members Mrs. Shimna Manoharan and Dr. Chandrashekarappa coordinated the event and contributed academic perspectives as panellists. The session concluded with an interactive question-and-answer session, encouraging students to align their learning with industry expectations.





Invited Talk on "Bamboo as a Building Material" – 23.12.2024

The Department of Civil Engineering, under the banner of the Indian Concrete Institute (ICI), organized an invited talk on "Bamboo as a Building Material" on 23.12.2024. The session was delivered by Dr. Jagadish Vengala, Former Scientist, IPIRTI, Ministry of Environment, Forest and Climate Change, Government of India. The talk covered the historical significance, structural applications, and sustainable potential of bamboo in modern construction. The speaker highlighted its high tensile strength, lightweight nature, rapid renewability, and low carbon footprint. Bamboo preservation techniques, architectural applications, and its use in scaffolding, bridges, and load-bearing structures were also discussed. Examples of innovative bamboo structures from around the world encouraged students to explore sustainable design and construction practices. The session concluded with

an interactive question-and-answer session on cost, sourcing, durability, and integration with other construction materials.



Invited Talk on "Smart Urban Infrastructure" – 14.10.2024

The Department of Civil Engineering organized an invited talk on "Smart Urban Infrastructure" on 14.10.2024. The session was delivered by Dr. Jayakesh K., Assistant Professor, Department of Civil Engineering, NIT Arunachal Pradesh, an expert in smart technologies and urban development. The session commenced at 10:50 AM and witnessed active participation from students interested in urban infrastructure advancements. The talk focused on the transformative role of smart technologies in urban infrastructure and city planning, highlighting how emerging innovations can improve sustainability, efficiency, and quality of life in urban environments.





Swachhata Hi Seva Campaign – 27.09.2024

The Department of Civil Engineering, in collaboration with the Bureau of Indian Standards (BIS), Bengaluru Branch, and the Indian Concrete Institute (ICI), Bengaluru, organized an

event under the Swachhata Hi Seva Campaign on 27.09.2024 for third-semester students. The event was graced by Ms. Nagamani T., Sc. E, Director and Head, Bengaluru Branch Laboratory, and Ms. Nagavalli S., Sc. E, Bengaluru Branch Laboratory. The programme commenced with a welcome address by Dr. Aruna G., Head of the Department, followed by the Swachhata Pledge led by Ms. Nagavalli S. A poster competition on "Waste Management Standards" was conducted, with participation from 13 teams. Srustee Patra (1BY23CV054) and Aashish Gyawali (1BY23CV001) secured first place, while Nameer Ahmed Khan (24UG1BYCV401-T) secured second place. The event created awareness among students about cleanliness, waste management, and the importance of standards in promoting sustainable environmental practices.





CINNOVIL – Tech Transform 2023 – 22.12.2023

The Department of Civil Engineering organized four events under the CINNOVIL Club as part of Tech Transform 2023 on 22.12.2023, namely "Crack the CAD," "Standing Still," "Deal Seekers," and "Egg Drop Challenge." The events were coordinated by Dr. Lalit Kumar Gupta and Mrs. Shimna Manoharan. They provided students with opportunities to demonstrate their technical skills, creativity, problem-solving abilities, and teamwork. In "Standing Still," Anjusha K. A. and Maina N. secured first place, while Suhani and Nitesh Kumar Samota secured second place. In "Crack the CAD," Suneel and Parasor Mazumdar secured first and second places, respectively. In "Deal Seekers," Deeksha M. and Mohammed Arshaan won first place, while Kiran and Vinayak Katwa secured second place. In the "Egg Drop Challenge," Leti Manoj Kumar and Suhas N. secured first and second places, respectively. The events witnessed enthusiastic student participation and promoted technical competence, innovation, teamwork, and creative thinking.






ICE-UK Membership Drive – 16.10.2023

The Department of Civil Engineering organized a membership drive through the student chapter of the Institution of Civil Engineers (ICE-UK) on 16.10.2023 to introduce first-year students to the professional organization and encourage them to become members. The event witnessed active participation from first-year students interested in exploring the benefits and opportunities offered by ICE-UK to civil engineering students. The programme helped create awareness about professional development, networking, and engagement with the civil engineering community. The event was coordinated by Prof. Shimna Manoharan, Faculty Coordinator, along with student coordinators Boomika K. V., Yashas D., and Dedeepya P. V.



Cinnovil in Tech Transform-2022-25.11.2022

The Department of Civil Engineering organized **Tech Transform-2022** through the Cinnovil Club on 25.11.2022. The event featured four activities: “Bridge Mania,” “Crack the CAD,”

"Civil Quotient," and "Building Blocks." Dr. Lalit Kumar Gupta served as the Faculty Coordinator, and Ms. P. V. Sai Dedeepya served as the Student Coordinator.






ICE Student Chapter Launch-15.10.2022

On 15th October 2022, the Department of Civil Engineering, BMS Institute of Technology and Management, organized the **ICE Student Chapter Launch** under the Institute of Civil Engineers (ICE), under the guidance of Faculty Advisor Mrs. Shimna Manoharan. The event was conducted in a hybrid mode with the participation of distinguished guests and speakers from the civil engineering profession. The speakers shared their professional experiences, insights into civil engineering projects, and challenges faced by graduate engineers. Mr. Shivom Revankar introduced the Institute of Civil Engineers (ICE), highlighting the

importance of student membership and professional networking opportunities. The speakers also encouraged students, particularly female students, to actively participate in civil engineering projects, research, and professional development. The session concluded with an interactive question-and-answer session, with active participation from the students and speakers.



