



ಬಿ.ಎಂ.ಎಸ್. ತಾಂತ್ರಿಕ ಮತ್ತು ವ್ಯವಸ್ಥಾಪನಾ ಮಹಾವಿದ್ಯಾಲಯ

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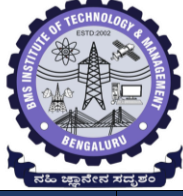
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Yelahanka, Bengaluru -560119

Department of Civil Engineering

Details of Industrial Visit

No.	Year	Industry Name & Location	Type of Industry	Date	No. of Students	Semester	Topic Dealt With	SDG
1	2026	Traffic Management Centre (TMC), Bengaluru	Traffic Engineering / Intelligent Transport Systems	26 Mar 2026	49	IV	AI-driven traffic surveillance, adaptive signal control, incident detection, sustainable urban mobility	9, 11
2	2026	Karnataka State Natural Disaster Monitoring Centre (KSNDMC), Bengaluru	Disaster Management / Hydrology	13 Mar 2026	51	VI (2023 batch)	Hydrological disasters (floods, droughts), climate-change linkages, disaster mitigation, GIS-based monitoring	13, 11
3	2025	Traffic Management Centre (TMC), Bengaluru	Traffic Engineering	27 May 2025	41	VI	Urban traffic-management systems and monitoring	9, 11
4	2025	Karnataka State Remote Sensing Applications Centre (KSRSAC), Bengaluru	Remote Sensing / GIS	16 Jan 2025	39	V & III	Remote sensing and GIS applications in civil engineering	9, 15
5	2024	UltraTech Cement Ltd. (Birla Super Bulk Terminal), Doddaballapur	Cement Manufacturing	26 Oct 2024	27	V	Bulk cement handling and quality-standard practices (with BIS)	9, 12
6	2024	ACC Ltd., Thondebhavi Cement Works, Chikkaballapur	Cement Manufacturing	25 Oct 2024	30	V	Cement manufacturing and quality-assurance practices (with BIS)	9, 12



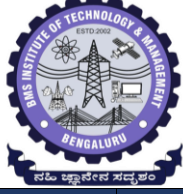
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7	2024	Sir M Visvesvaraya Rainwater Harvesting Theme Park, Jayanagar	Public Health Engineering / Water Conservation	24 Sep 2024	60	III	RWH techniques, filter types/materials, grey-water reuse, Bengaluru terrain and water needs	6, 11
8	2024	ACC Ltd., Thondebhavi Cement Manufacturing Plant	Cement Manufacturing	01 Jul 2024	35	VI	Cement manufacturing process	9, 12
9	2024	GRKMS Pvt. Ltd. (CPCB-authorized e-waste recycler)	Electronic Waste Recycling	18 May 2024	60	IV	E-waste management: technical processes, occupational safety, refurbishment	12, 11
10	2024	Hosahalli & Saaslu Villages, Doddaballapur (Lake Water Survey)	Environmental / Water Resources Survey	13 May 2024	26 + NSS volunteers	—	Technical and social survey of 14 lakes (Water Internship Program with AICTE, NSS Karnataka, EMPRI, KSPCB, BWSSB)	6, 15
11	2023	SUPA Dam, Ganesh Gudi, Dandeli, Gokarna, Yana Caves	Hydro-electric Power / Geological Site	02–05 Jun 2023	39	VI (2020 batch)	Hydro-electric power generation, geological observations	7, 15
12	2022	Kolar Gold Fields (KGF)	Mining	28 Dec 2022	23	III	Building materials & construction techniques, mining process, evolution of construction/mechanical techniques	9, 8
13	2022	Markonahalli Dam, Yediyur, Kunigal - 23rd Dec 2022 (Friday).	Earth Dams and Spillways	23 Dec 2022	13	VII	Earth Dams and Spillways	6, 9
14	2022	Sewage Treatment Plant, BMSIT&M Campus	Public Health Engineering	08 Nov 2022	52	V	Sewage treatment plant operations	6



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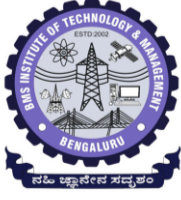
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15	2022	Linganamakki dam, Jog Falls & Hanging Bridge	Hydroelectric Power	10-11 July 2022	43	IV	Dam structures, hydroelectric power generation, spillway systems, water resources and bridge structures	7, 9
16	2022	Linganamakki-Dam-Power House- Murdeshwara-Gokarna-Mangrove Ecosystem-Honnavar-Suspension Bridge	Hydroelectric Power	27-29 May 2022	42	VI	Applied Hydraulics and Structural Analysis	7, 12, 15
17	2021	Atal Tunnel (Rohtang Tunnel), Himachal Pradesh — AICTE-YUVAK Scheme	Infrastructure / Tunnel Construction	01 Dec 2021	—	Civil & Mechanical Engg. (joint)	NATM & drill-blast tunnelling method, geology, ventilation, fire and emergency-evacuation systems	9, 11

SDG Legend: | SDG 6 — Clean Water and Sanitation | SDG 7 — Affordable and Clean Energy | 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



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Visit Summaries

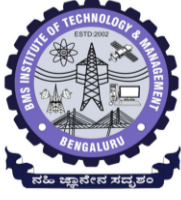
1. Traffic Management Centre (TMC), Bengaluru — 26 March 2026

The department organised a one-day visit to the Traffic Management Centre, Bengaluru, for fourth-semester students under the coordination of Dr. Marsh M. Bandi; forty-nine students took part. The visit exposed students to AI-driven traffic surveillance, adaptive signal control at intersections, and incident-detection systems, and introduced them to the ASTraM platform's use of real-time data analytics in traffic decision-making. Beyond the technical walkthrough, the session connected classroom concepts in transportation engineering to live urban-mobility practice and underscored the role of intelligent transport systems in reducing congestion and emissions.



2. Karnataka State Natural Disaster Monitoring Centre (KSNDMC) — 13 March 2026

Sixth-semester students (2023 batch) visited the Karnataka State Natural Disaster Monitoring Centre to study hydrological disasters such as floods and droughts and their links to climate change. Dr Reshmi and Dr Gangadhar walked the group through disaster-mitigation strategies, hydrological modelling systems, and the Centre's ongoing research, including how real-time data, sensor networks, and early-warning systems support disaster monitoring. The visit also opened students' eyes to career and research avenues in GIS-based data analysis. Mrs Archana K, Mrs Shimna Manoharan, Dr Chandrashekhara A, and Mr Siddananjaiah accompanied the group.



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3. Traffic Management Centre (TMC), Bengaluru — 27 May 2025

Sixth-semester students visited the Traffic Management Centre, Bengaluru, in association with the Centre, accompanied by Dr Marsh M. Bandi, Dr Lalit Kumar Gupta, Mrs Shimna Manoharan, Mr Ravikiran K C, and Mr Sudhakar G S, to study urban traffic-management systems.

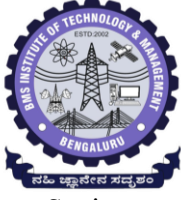
4. Karnataka State Remote Sensing Applications Centre (KSRSAC) — 16 January 2025

Fifth- and third-semester students visited the Karnataka State Remote Sensing Applications Centre, Bengaluru, accompanied by Dr Chandrashekharappa A and Mrs Archana K, gaining exposure to remote-sensing and GIS applications relevant to civil engineering.



5. UltraTech Cement Limited, Doddaballapur — 26 October 2024

In collaboration with the Bureau of Indian Standards, Bengaluru, the department took twenty-seven fifth-semester students to UltraTech Cement Limited's Birla Super Bulk Terminal near Doddaballapur



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Railway Station, accompanied by Dr Lalit Kumar Gupta, for exposure to bulk cement handling and quality-standard practices.



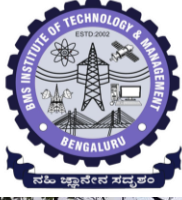
6. ACC Limited, Thondebhavi Cement Works — 25 October 2024

The department partnered with the Bureau of Indian Standards, Bengaluru, to send thirty fifth-semester students to ACC Limited's Thondebhavi Cement Works in Chikkaballapur, accompanied by Dr Lalit Kumar Gupta and Mr Ravikiran K C, for a close look at cement manufacturing and quality-assurance practices.



7. Sir M Visvesvaraya Rainwater Harvesting Theme Park — 24 September 2024

Third-semester students enrolled in Water Supply and Wastewater Engineering (BCV304) visited the Sir M Visvesvaraya Rainwater Harvesting Theme Park in Jayanagar, accompanied by Dr Rajesh Gopinath, Mrs Shimna Manoharan, and Mr Siddananjaiah. The visit went beyond the curriculum, covering RWH techniques, filter types and materials, and the reuse potential of grey water, with on-site engineers also explaining conservation strategies and water-quality considerations for potable and non-potable use. The session closed with a briefing on Bengaluru's undulating terrain and valley systems — Hebbal, Vrishabhavathi, and Koramangala-Challaghatta — to illustrate why rainwater harvesting matters for the city's water supply.



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8. ACC Limited, Thondebhavi — 1 July 2024

Sixth-semester students visited ACC Limited's Thondebhavi cement manufacturing plant, accompanied by Mrs Shobha R and Mr Ravikiran K C.

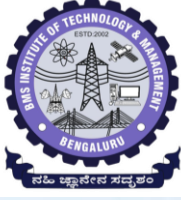


9. GRKMS Private Limited — 18 May 2024

Fourth-semester students taking the Electronic Waste Management course visited GRKMS Private Limited, a CPCB-authorised e-waste recycler, accompanied by Mrs Shimna M, Mr Siddananjiah, and Dr Rajesh Gopinath. The visit gave them first-hand exposure to the technical processes involved in e-waste recycling, occupational-safety practices at the facility, and the refurbishment side of the business.

10. Lake Water Survey Project, Hosahalli & Saaslu Villages — 13 May 2024

As part of the Water Internship Program run jointly with AICTE, NSS Karnataka, EMPRI, KSPCB, and BWSSB, twenty-six civil engineering students and NSS volunteers carried out a lake-water survey project, examining the technical and social condition of fourteen lakes across Hosahalli and Saaslu villages, Doddaballapur, and recording their findings on a standard survey proforma. The activity, also credited toward the students' AICTE work, was coordinated by Mrs Archana K, Mr Arun Kumar R N, and Dr Shivakumar.



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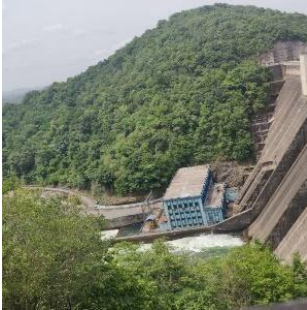
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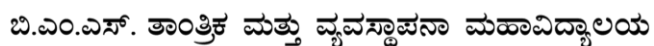
11. SUPA Dam, Dandeli, Gokarna & Yana Caves — 2–5 June 2023

Sixth-semester students of the 2020 batch undertook a four-day academic tour from 2 to 5 June 2023, covering SUPA Dam, Ganesh Gudi, Dandeli, Gokarna, and the Yana caves. The itinerary combined exposure to hydro-electric power generation with first-hand geological observation at Yana. Dr Chandrashekarappa A, Dr Aruna G, Ms Pooja B, and Mr Ravikiran K C coordinated the trip.



12. Kolar Gold Fields (KGF) — 28 December 2022

Twenty-three third-semester students studying Building Materials and Construction Techniques (21CV37) visited the Kolar Gold Fields, accompanied by Mrs Shobha R, Dr Lalit Kumar Gupta, and Mr Sudhakar G. Dr Ranjith Rath, Managing Director, briefed the group on the site's past and present status before students were taken through the field, tunnel, mine, shaft, and residue-deposit areas and shown how mining, construction, and mechanical techniques have evolved from early operations to the present day.



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On 23 December 2022, thirteen seventh-semester Civil Engineering students of the department, accompanied by Mrs Archana K and Dr Rajesh Gopinath, visited Markonahalli Dam, Yedyur, Kunigal, Tumkur, Karnataka, as part of an educational industrial visit. The visit was conducted under the guidance of Mr Srinivasa B S, Assistant Engineer, and Mr Manju, Dam Maintenance In-charge, who briefed the students on the functioning and maintenance of the dam. The students observed the syphon spillway designed by Sir M. Visvesvaraya, emergency and sluice gates, water-level indicator, baby syphons, earthen dam and concrete spillway sections, seepage at the rock toe, and V-notch for discharge measurement. The students also learned about the condition and maintenance of the dam, natural energy dissipation by downstream rocks, flood-related roadway submergence, and proposed improvements such as an elevated road and auxiliary spillway. The visit provided valuable practical exposure to dam structures, spillway systems, water-level control, seepage monitoring, and maintenance practices, helping students connect classroom concepts with field applications.





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14. Sewage Treatment Plant, BMSIT&M Campus — 8 November 2022

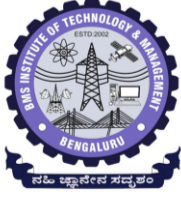
Fifth-semester students visited the sewage treatment plant on the BMS Institute of Technology campus, accompanied by Dr Rajesh Gopinath, as part of their coursework on wastewater treatment.



15. Linganamakki dam, Jog Falls & Hanging Bridge — 10 July 2022

Fourth-semester students visited Linganamakki Dam, Jog Falls, Murudeshwar, Kollur and Kodachadri as part of an educational industrial visit. The visit provided students with practical exposure to dam structures, hydroelectric power generation, water resources and related civil engineering applications.





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The students also explored important natural and cultural landmarks, gaining valuable knowledge beyond the classroom. The visit encouraged students to understand the practical significance of civil engineering in water-resource management and infrastructure development. Dr Deepak M S, Dr Anupkumar G Ekbote, Dr Athiyamaan V and Ms Pooja B accompanied and guided the students throughout the visit.

16.Linganamakki Dam, Jog Falls, Gokarna, Mirjan Fort, Murdeshwar & Honnavar-25-27 May 2022

On 27 May 2022, the IV Semester Civil Engineering students of BMS Institute of Technology and Management undertook an educational industrial visit, accompanied by four faculty members. The students visited Linganamakki Dam and Powerhouse, Jog Falls, Gokarna, Mirjan Fort, Murdeshwar and Honnavar, gaining practical exposure to dam structures, hydroelectric power generation, water resources and related civil engineering applications. The visit also included the hanging bridge and Apsarakonda Falls, providing students with opportunities to observe various natural and engineering features. The students participated in the AICTE activity “Say No to Plastics,” creating awareness about environmental protection and sustainable practices. The visit helped students relate their classroom knowledge to practical engineering applications and field-level observations



17. Atal Tunnel (Rohtang Tunnel), Himachal Pradesh — 1 December 2021

Under the AICTE-YUVAK Scheme (Youth Undertaking Visit for Acquiring Knowledge), supported by a grant of ₹2,00,000, a joint team from Civil and Mechanical Engineering, led by Dr. Deepak M S, Assistant Professor of Civil Engineering, undertook a study tour of the Atal Tunnel (Rohtang Tunnel), Himachal Pradesh, on 1 December 2021. The group was among the final batches permitted to visit the tunnel's inner core alongside Border Roads Organisation officials and technical teams. Spanning 9.02 km beneath the Rohtang Pass on the Leh–Manali highway, the tunnel — built using the New Austrian Tunnelling Method and drill-blast technique — was explained to students in terms of its geology, ventilation, fire-safety, and emergency-evacuation systems, along with the construction methodology and challenges involved in building it.



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ATAL-TUNNEL- STUDY TOUR
UNDER
AICTE- YOUTH UNDERTAKING VISIT FOR
ACQUIRING KNOWLEDGE SCHEME (YUVAK)
01.12.2021

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CIVIL ENGINEERING & MECHANICAL ENGINEERING

By:
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Assistant Professor of Civil En
Team Leader

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Adikeshava Reddy C N

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Varsha G

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IV B.E. (Mechanical)



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ATAL-TUNNEL-North Portal



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ATAL-Tunnel-Tour



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Accredited by NAAC with 'A' Grade and accredited by NEA

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