

MAR BASELIOS COLLEGE OF ENGINEERING & TECHNOLOGY (AUTONOMOUS)

NALANCHIRA, THIRUVANANTHAPURAM

**IGS Activity report of the student chapter MBCET under Indian Geotechnical Society
Thiruvananthapuram Chapter**

Period from 1st June 2024 to 31st March 2025

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Vice-President : S Navami

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Treasurer : Ricky R.B

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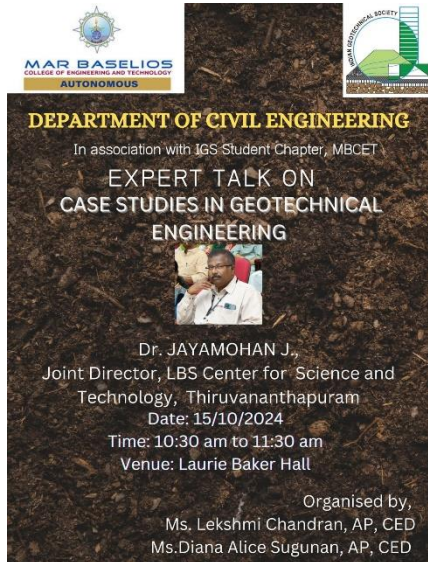
1. Lekshmi Gayathri A
2. Busthana K
3. Amarjith R S
4. Allen Sam Biju
5. Pallavi Krieshna
6. Niranjana Raj
7. Krishna Devi B
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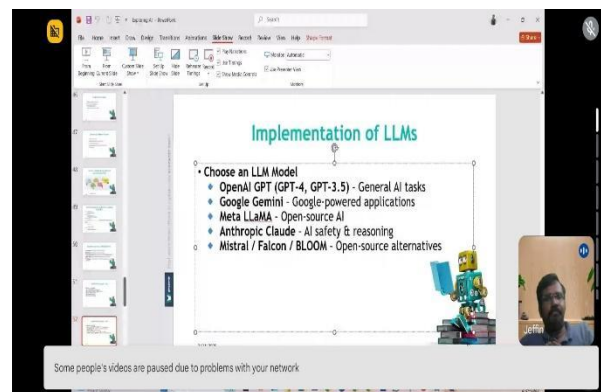
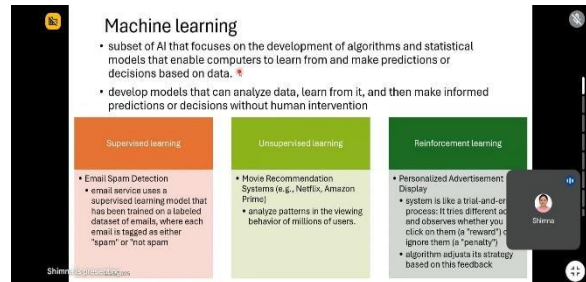
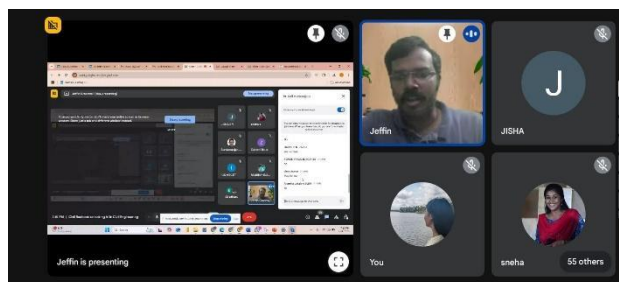
Mobile No : 9495882991 (Diana Alice Sugunan)

Lectures/Webinars

An expert talk was held on "**Case Studies in Geotechnical Engineering**" for the course "Geotechnical Engineering II" at the department of Civil Engineering on October 15, 2024 (10.30 am to 11:30 am). The talk was delivered by **Dr. Jayamohan J.**, Joint Director, LBS Center for Science and Technology, Trivandrum for the fifth semester students of the department. The co-ordinators were Ms. Lekshmi Chandran M and Ms. Diana Alice Sugunan.



A webinar titled "**Civil Reboot: Unlocking AI in Civil Engineering**" was organized by the **IGS MBCET Student Chapter, Department of Civil Engineering**. The event was conducted over two days, on **24th and 25th February 2025**, from **7:00 PM to 8:30 PM**. The first day featured a session by **Dr. J. Jeffin Gracewell**, Associate Professor at Saveetha Engineering College, Chennai, and the second day was led by **Ms. Shimna Manoharan**, Assistant Professor at BMS Institute of Technology & Management. The webinar focused on **transforming civil engineering** by improving **efficiency, accuracy, and sustainability** in construction and infrastructure development through AI applications. Participants gained valuable insights into **industry trends, skill development, career growth opportunities**, and **fundamental concepts and applications** of AI in civil engineering.



Snapshots from the webinar

A Hands-on Training on GIS was organized by the **IGS MBCET Student Chapter, Department of Civil Engineering**. The session was conducted on 8th March 2025 at 9:30 AM in the CADD Lab, CED. The guest speaker for the event was **Amal S. Ajay**, an M.Tech student from the College of Engineering, Trivandrum. The training focused on providing participants with practical knowledge and applications of **Geographic Information Systems (GIS)**, enhancing their technical skills in spatial data handling and analysis. The event was efficiently coordinated by **Ms. Diana Alice Sugunan**, Assistant Professor, Department of Civil Engineering, MBCET.



Visuals from the hands on training on GIS

Competitions

A Soil Craft Competition was conducted by the **IGS MBCET Student Chapter** to encourage practical skills and creativity among students. In this event, cubes were cast using a mixture of beach sand and cement, and the strength of the cubes was tested to assess their performance. The competition was held with great enthusiasm, witnessing active participation from students across various semesters. Participants demonstrated innovation and teamwork in material selection and cube preparation. The event concluded by recognizing and admiring the best-performing teams based on the strength results, with consolation prizes awarded to encourage all participants.



Site Visit at MBCET

A visit to the subsoil test site was conducted on 22 August 2024, from 11:30 AM to 12:30 PM, as part of the "Geotechnical Engineering II" (Module 5) course within the Civil Engineering Department. The participants were 76 students from the S5 CE1 and S5CE2 B. Tech class. During the visit, students observed Standard Penetration Test (SPT) procedures, including the collection of soil samples using a split-spoon sampler. They also learned how the Penetration Number (N-value) is determined for soil analysis.



Site Visit at MBCET