ISSMGE FOUNDATION
REPORT ON CONFERENCE ATTENDANCE

Your Name:	***Your Organization:***	***Date of report:***
Shweta Singh	Indian Institute of Technology Roorkee	06-09-2026
Conference Title:	***Location of Conference:***	***Dates of Conference:***
4th International Conference on Geotechnical Engineering	Cinnamon Grand, Colombo, Sri Lanka	24-25 August 2026

What you learned:

One of the major learnings from the conference was the importance of **sustainable and resilient approaches in geotechnical engineering**. The technical presentations broadened my understanding of geosynthetics, ground improvement, problematic soils, railway geotechnics, settlement, and advanced geotechnical modelling. In particular, the thematic lecture on *Geosynthetics as Sustainable Foundation Systems for Clays of Different Strength* and other presentations on expansive soils were closely related to my research interests. Presenting my own research allowed me to receive valuable feedback and discuss my findings with other researchers. Overall, the conference enhanced my technical knowledge, improved my confidence in presenting research before an international audience, and provided new perspectives that can contribute to the future development of my research work.

People you met:

Dr. Anil Joseph
Dr. A. Murali Krishna
Dr. Bala Ramudu Paramkusam
Dr. Manash Chakraborty

Main features of conference:

The programme included eminent international experts such as Prof. Buddhima Indraratna, Prof. Jayantha Kodikara, Prof. Gopal Madabhushi and Prof. Keh-Jian Shou**.** Their lectures addressed sustainable transport infrastructure, geotechnical resilience, theory and practice, advanced modelling, and landslide resilience under climate change. The conference highlighted the connection between fundamental research and real-world engineering problems. AI, machine learning, digital twins, satellite sensing, advanced numerical modelling and physical modelling were among the emerging approaches highlighted in the programme.

Your comments on the conference:

ICGE–Colombo 2026 was a highly informative and professionally organised conference that provided a valuable platform for sharing recent developments in geotechnical engineering. The conference brought together geotechnical researchers, academicians, professionals and practitioners from different countries. I found the technical sessions especially beneficial because they covered a broad spectrum of geotechnical problems, ranging from problematic soils and foundations to geosynthetics, transportation infrastructure, ground improvement and advanced modelling. The keynote lectures by internationally recognised experts provided valuable insights into the current and future directions of geotechnical engineering. Overall, ICGE–Colombo 2026 was a rewarding academic experience.

Please attach short report (maximum 400 words) suitable for publication in the ISSMGE Bulletin:

The International Conference on Geotechnical Engineering (ICGE)–Colombo 2026, held on 24–25 August 2026 in Colombo, Sri Lanka**,** was an inspiring and enriching experience that brought together researchers, academics, practitioners and professionals from the geotechnical engineering community.

The conference featured a comprehensive technical programme covering a wide range of contemporary areas, including problematic soils, geosynthetics, foundations, experimental investigations, advances in ground improvement, sustainable geotechnical practices, transportation geotechnics, environmental geotechnics, natural-disaster resilience and geotechnical modelling. The programme also emphasised emerging applications of Artificial Intelligence, Robotics, Deep Learning and Machine Learning in Geotechnical Engineering**.**

I am honoured to have presented my research paper titled **"Experimental Evaluation of Heave Control in Expansive Soil Using Granular Anchor Piles and Geogrid Encasement"** in Session F-2: Problematic Soils, Stabilisation and Sustainable Materials**.** The session provided an excellent platform to discuss my research alongside studies related to geosynthetic-reinforced soil structures, fine-grained sediments and sustainable erosion-control materials.

The keynote lectures were another major highlight of the conference. The conference provided an excellent opportunity for knowledge exchange, professional interaction and networking with researchers working in diverse areas of geotechnical engineering. The technical discussions also provided new perspectives that can contribute to the advancement of my future research.

Overall, ICGE–Colombo 2026 provided an excellent opportunity for academic exchange, professional networking and exposure to emerging developments in geotechnical engineering.

Photographs from Conference:





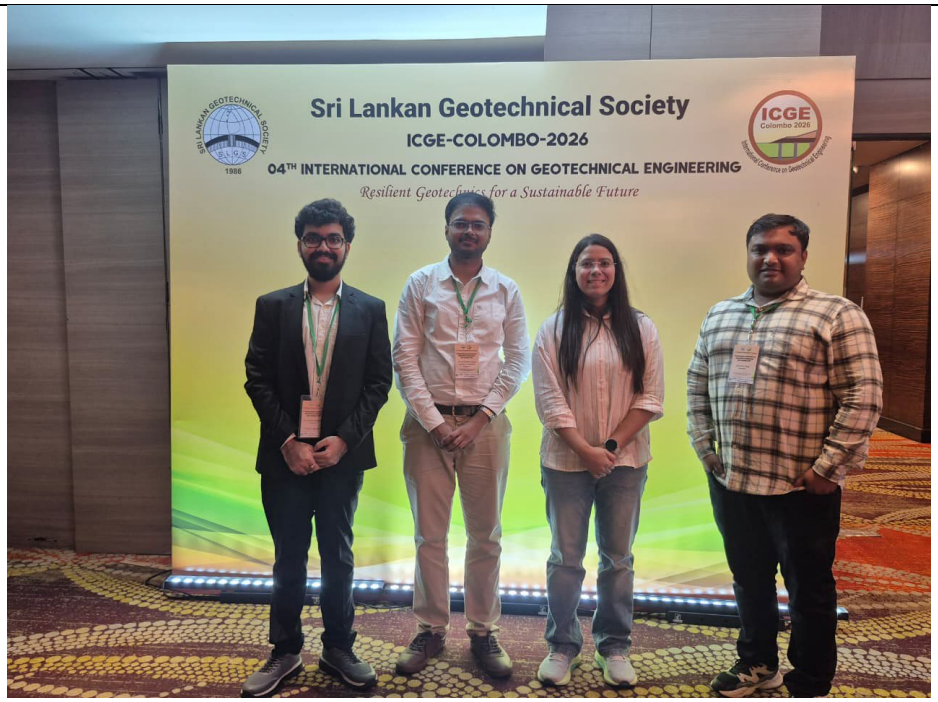
Shweta Singh (me) presenting my research work in ICGE Colombo 2026



Shweta Singh (me) receiving the certificate for presenting my work



Attending the thematic lecture given by Prof. A. Murali Krishna



Meeting with other research scholars from India