IGS NEWS

A Bulletin of the Indian Geotechnical Society

FOR PRIVATE CIRCULATION ONLY

Volume 58
No.
01
January-March 2026

Contents

Message from the President

Dear Distinguished Members,

Season's greetings to you and your families. It is a pleasure to connect with you through this newsletter, and I am deeply humbled to share that I have been elected as Vice-President Asia of ISSMGE for the term 2026–2030, with my formal induction to take place at the 21st ICSMGE 2026 in Vienna this June. This honour reflects the collective strength and steadfast support of the IGS team and our Asian Member Societies particularly Nepal, Pakistan, Sri Lanka, and Bangladesh whose encouragement and collaboration have been invaluable throughout our shared journey. The enduring bonds among these nations, further strengthened through the Association of Geotechnical Societies of South Asia, stand as a testament to the power of regional unity. I am also deeply honoured to have been felicitated by the IGS-Visakhapatnam Chapter during the two-day workshop on "Geotechnical Solutions for Infrastructure Projects in Problematic Ground" held on March 22–23, 2026, as part of the Centenary Celebrations of Andhra University. I gratefully accept this recognition on behalf of our entire professional community.In recent months, our community has demonstrated remarkable cohesion, vibrant knowledge exchange, and meaningful progress. It is truly inspiring to witness the enthusiasm and dedication of our members in advancing the field with purpose and responsibility. I would also like to warmly acknowledge the exceptional contributions of our Local Chapters, whose innovative initiatives and active engagement continue to energize participation at every level. As we look ahead, we are committed to building on this momentum by reaching out to underrepresented regions through collaborative programs and renewed engagement efforts. I extend my heartfelt gratitude to the Executive Committee, Sub-committee Conveners and committee members for their unwavering support and visionary leadership, which remain the cornerstone of our Society's continued growth and impact.

The accomplishments of this team reflect the steadfast commitment of our sub-committee members, who, despite their demanding schedules, have devoted valuable time toward advancing the mission and growth of IGS. The SC1 team under the convenorship of Prof. Murali Krishna has played a central role in developing the IGS Virtual Library and ensuring our members benefit from a strong digital presence. At the same time, The SC2 team under the guidance of Prof. T. Thyagaraj and the SC3 under the leadership of Prof. Chandresh Solanki have worked relentlessly to strengthen our community. Their initiatives have focused on ISSMGE membership renewals and facilitating the transition of Local Chapter members to national membership. It is targeted to have a membership of 7000 by the year end. In addition, efforts are being intensified to increase ISSMGE membership to 400, thereby enabling greater representation and ensuring that nominees from IGS play a more significant role in the technical committee activities of ISSMGE.

We also extend our appreciation to Dr. C. R. Parthasarathy and the committee SC4, for the consistent efforts in development of IGS Foundation and professional forum. Various activities are planned in this regard.I would like

Contd..... pg 3

Industrial Flooring Solutions for Operational Success

Long Life | No Downtime | Sustainable Builds

Springboard industrial operational excellence from the bottom upwards. Fortify your business with flooring solutions that are designed to work in synergy with the heavy-lifting your business does daily. With a mix of Strata products to custom-design your projects solution you reap benefits that a one-size-fits-all product cannot bring.

Advantages of Using Geosynthetics for Industrial Flooring:

- > Custom solution builds
- > Reduced costs over traditional materials
- > Quicker construction
- > Industry-leading strength for load-bearing
- > Reduced downtime from breakdowns
- > Improved safety on site
- > Sustainable

StrataWeb®

StrataGrid™

StrataTex HSR™

StrataDrain™

ISO | GAI-LAP | NZ TRANSPORT AGENCY WAKA KOTAHI | NTPEP | EPD VERIFIED | CE | BBA

STRATA

www.strataglobal.com | www.geogrid.com | technical@strataindia.com

+91 22 4063 5100 | India, Spain, USA

to commend the prudent financial stewardship of Er. Ravi Kiran Vaidya and the SC5 team. Their meticulous planning and disciplined management during the financial year 2025–26 have ensured that expenditures remained well within the allocated budget, while also significantly strengthening our fixed deposit portfolio and enhancing returns. This sound financial approach has enabled the provision of grants, thereby actively supporting and revitalizing the activities of our Local Chapters and also for buying the new office premises.

As part of IGS's ongoing international outreach, I had the privilege of participating in the 22nd Southeast Asian Geotechnical Society (SEAGS) Conference and the 5th AGSSEA Conference 2026, hosted by the Philippine Society for Soil Mechanics and Geotechnical Engineering in collaboration with the University of the Philippines Diliman, held in Manila from 28–30 January 2026. As part of the programme, I attended the SEAGS Board Meeting, delivered a keynote address, and chaired a technical session on "Underground Structures and Ground Improvement". Also participated in the ISSMGE panel discussion featuring candidates for the positions of Vice-President (Asia) and President of ISSMGE, on the theme "Foundations for the Future: Vision for ISSMGE."In line with the mutual understanding between the IGS, the Korean Geotechnical Society, and the Japanese Geotechnical Society, the 2nd Indo–Japan–Korea Trilateral Workshop is planned to be held in Korea in August 2026. The 1st workshop was held at Osaka, Japan in 2024 and the third workshop will be held in India in 2028. I request the support of all members and strongly encourage maximum participation from IGS to make this initiative a success.The International Cooperation Committees SC6 (Technical Committee Activities) under the leadership of Dr. S. K. Prasad and SC7 (Networking) led by Prof. D. Neelima Satyam continue to play a pivotal role in advancing these initiatives. Their sustained efforts and commitment towards enhancing global technical collaboration are deeply appreciated.

The SC8 Committee, under the leadership of Prof. Dasaka S. Murty, is proactively advancing initiatives to expand our footprint through the formation of new Local Chapters in Rewa, Anantapur, Madurai, Dehradun, Gorakhpur, Aligarh, Kannur, and Rourkela an encouraging reflection of the rising interest and participation from professionals and academic institutions nationwide. Notably, the Rourkela Chapter is scheduled to be formally inaugurated on 7thMay 2026. During this trimester, a one-day seminar was organized on "Future Challenges for Sustainable Development in Geotechnical Engineering" by the IGS Kolkata Chapter on 30th January, and a two-day workshop on "Geotechnical Solutions for Infrastructure Projects in Problematic Ground" was hosted by the IGS Visakhapatnam Chapter at Andhra University, Visakhapatnam, during 22–23 March 2026. Under the leadership of Ms. Aarti Bhargava, the SC9 Committee is making steady progress in reinvigorating Local Chapter activities across the country.The committee is actively engaging with dormant chapters, maintaining close coordination, and working towards introducing fresh initiatives to strengthen participation and revitalize operations nationwide.I extend my sincere appreciation to the office bearers of all chapters for their dedicated efforts, effective collaboration and continued support in strengthening and advancing the IGS community nationwide.

Under the guidance of Prof. N. Unnikrishnan, the SC10 Committee has made notable progress by establishing several new student chapters and conducting a wide range of youth-oriented activities across the country, demonstrating strong coordination and commitment. In parallel, the SC11 Committee, led by Prof. G. Madhavi Latha, is actively formulating initiatives aimed at enhancing engagement and supporting the professional development of young geotechnical engineers. The SC12 Committee, under the leadership of Prof. R. Ayothiraman, is also making steady headway in revising and updating the IGS Awards guidelines. The dedicated efforts and contributions of these committees are sincerely acknowledged and deeply appreciated.

Under the leadership of Prof. Anitha G. Pillai, the SC13 Committee continues to bring out the IGS Newsletter with consistency and high standards, supported by careful editorial planning and quality content curation. We sincerely appreciate the contributions of Dr. Jaykumar Shukla and the SC14 Committee for their active engagement in BIS-related activities and their efforts in advancing national geotechnical standards. It is also encouraging to note that our members serving on BIS committees are regularly participating in meetings and contributing actively to the standardization process.The SC15 Committee, led by Dr. G. Sridevi, is making commendable progress in fostering participation through the Women's Forum. The SC16 Infrastructure Development Committee, under the guidance of Dr. A. P. Singh, has made significant strides in finalizing the acquisition of a new office space for the IGS Headquarters at DLF Prime Towers, Okhla, New Delhi. Furthermore, the SC17 Laboratory Testing Forum, convened by Dr. C. N. V. Satyanarayana Reddy, and the SC18 Skill Development Forum, led by Prof. H. N. Ramesh, are consistently contributing to the enhancement of technical capabilities within the community. The SC19 Committee, under the guidance of Prof. B. K. Maheshwari, is actively expanding digital resources and improving access to specialized software, including support for student projects through tools like PLAXIS. Plans are also underway to procure additional software to further strengthen these initiatives.

The 246th Executive Committee Meeting of the Indian Geotechnical Society was convened on 22nd March 2026 at Andhra University, Visakhapatnam, Andhra Pradesh, hosted by the IGS Visakhapatnam Chapter. I would like to place on record my heartfelt appreciation to the office bearers of the Visakhapatnam Chapter for their excellent arrangements, effective coordination and gracious hospitality, all of which contributed significantly to the success and pleasant conduct of the meeting.

Preparations for the 12th International Symposium on Field Monitoring in Geomechanics (ISFMG 2026), to be hosted at IIT Indore, are progressing well under the leadership of Prof. D. Neelima Satyam. I earnestly invite all members to register and actively support this prestigious event to ensure its grand success. As our flagship event, it is important that we demonstrate the strength and unity of the IGS community. I strongly encourage maximum participation from IGS members, as your involvement will significantly contribute to knowledge sharing, professional networking, and enhancing the global stature of our Society.

I would like to conclude with the inspiring words of Henry Ford: "Coming together is a beginning, staying together is progress, and working together is success." My heartfelt thanks to all our members for your unwavering commitment and active engagement across IGS initiatives, your collective spirit is the engine that powers our progress. I urge each of you to stay connected, contribute your insights, and play a proactive role in shaping the Society's journey, including a stronger presence in international forums. Let us stride ahead with renewed energy, shared purposeand the confidence that together, we can reach even greater heights.

Together We Can, and Together We Will.

Dr. Anil Joseph

SUMMARY OF Ph.D THESES

Title of Thesis: **Laterally Loaded Single and Pile Group in Two-Layered Sandy Medium with Inclined Interface: Assessment of p-y Response under Monotonic and Cyclic Loading**

Name of the Student: Dr. Debasmita Pal

Supervisor: Dr. Arindam Dey and Dr. Kaustubh Dasgupta

Department & Institute: Department of Civil Engineering, Indian Institute of Technology Guwahati

SUMMARY: The lateral behaviour of single piles and pile groups embedded in two-layer sandy soil with an inclined layer interface is investigated using a three-dimensional nonlinear finite element approach. The influence of the inclined strata, direction of the lateral loading, and shadowing effects on the p–y responses of single pile and pile groups is systematically examined. Further, Artificial Neural Network-based optimized models are developed to predict p-multipliers for pile groups. The study is further extended to investigate cyclic lateral loading, including the effects of interface inclination, loading direction, number of cycles under both one-way and two-way loading conditions.

Title of Thesis: **Seismic Performance of Monopile Foundations of Multimegawatt Offshore Wind Turbines for Indian Coastal Regions**

Name of Student: Dr. Kingshuk Jana

Supervisor: Prof. Rajib Sarkar and Prof. Subhamoy Bhattacharya

Department & Institute: Department of Civil Engineering, Indian Institute of Technology (Indian School of Mines), Dhanbad

SUMMARY: This thesis investigates the Adequacy and performance of monopile foundations for multi-megawatt offshore wind turbines (MOWTs) along the Indian coast. The V-H-M capacity curves for monopile foundations of MOWT have been derived for both non-liquefiable and liquefiable strata in coastal regions. Finally, the seismic fragility curves for monopile-supported MOWTs for the Indian coastal regions were developed considering possible effects of liquefaction. The work offers design guidance for safer, more resilient Indian offshore wind energy development planning. Overall, this study offers a valuable framework for engineers and policymakers to enhance the reliability and resilience of India's offshore wind infrastructure amid complex geotechnical challenges.

Title of Thesis: **A Micro-mechanical Approach towards Drained Shearing and Instability Response of Granular Soils incorporating Particle Shape Effect**

Name of Student: Dr. Madhu Sudan

Supervisor: Dr. Mousumi Mukherjee

Department & Institute: School of Civil and Environmental Engineering, Indian Institute of Technology Mandi

SUMMARY: The doctoral research presents a micromechanics-based investigation of drained shearing and instability in granular soils, emphasizing particle shape effects through Discrete Element Method-based simulations. Systematic biaxial and true triaxial simulations have been performed on assemblies with diverse particle morphologies. The study establishes robust macro-micro correlations by linking stress-strain-volume behavior with fabric anisotropy, force-chain evolution and particle kinematics. The results demonstrate that particle irregularity enhances shear strength, dilatancy, and anisotropy, while also controlling shear band thickness through strong force chain buckling. Furthermore, a generalized stress-dilatancy relationship incorporating particle shape and stress-path dependency has been proposed, which can be integrated into a critical-state-based constitutive framework, offering improved predictive capability for the efficient design of geostructures.

Title of Thesis: **Numerical Analysis for Stability of Hill Slopes and Road-cuts in the Lesser-Himalaya**

Name of Student: Dr. Virat Singh Chauhan

Supervisor: Dr. Md. Rohan Sadique and Prof. Mohd. Masoor Alam

Department & Institute: Department of Civil Engineering, A.M.U., Aligarh

SUMMARY: This research develops an integrated framework for assessing the stability of road-cut slopes in the Lesser Himalayas, focusing on seven critical slopes near a tunnel alignment in Mussoorie. The study combines field investigations and laboratory testing with empirical methods such as RMR, SMR, GSI, LHEF, and LSS, along with kinematic analysis to identify failure modes. Numerical modeling using Limit Equilibrium and Finite Element methods evaluates stability under static and pseudo-static conditions. Stabilization measures like rock bolting and shotcreting are designed and validated. Machine learning models, including Random Forest, GBM, and XG Boost, predict Factor of Safety, improving accuracy and supporting geotechnical decision-making.

Title of Thesis: **Effect of Cross-linked Biopolymer Inclusion on the Geotechnical Behaviour of Soils Exhibiting Different Plasticity Characteristics**

Name of Student: Dr. M. Ashok Kumar

Supervisor: Dr. Arif Ali Baig Moghal

Department & Institute: Department of Civil Engineering, National Institute of Technology Warangal (NITW), Warangal, Telangana.

SUMMARY: The widespread occurrence of problematic soils on the earth has led to the development of various soil stabilization techniques to enhance the required geotechnical properties. Biopolymers, derived from natural resources, including plants and microbes, are proven to be sustainable as stabilizing agents. The current study focuses on the influence of Guar gum (G) and Xanthan gum (X) on strength, durability, erosion, and compressibility characteristics of three distinct soils, exhibiting different plasticity. The biopolymers (G and X) have been added in both individual and cross-linked combinations. The effect of curing period on unconfined compressive strength, erodibility index, and hydraulic conductivity of three different soils was investigated. Furthermore, SEM and FTIR analyses were conducted to elucidate the mechanisms underlying the improvements in biopolymer-treated soils.

IGC - 2027

IGC-2027
would be hosted by

IGS-Patna Chapter

The venue, theme, scheduled dates etc.
are being worked out and shall be announced soon.

Now Online Membership Available

The homepage of the Society has been updated and a new online membership platform has been created to facilitate joining of new members.

Just log on to:
www.igs.org.in

ISSMGE BULLETIN

Vol. 19, Issue 4, December 2025

Table of Contents

IGS Bangalore Chapter

IGS Bengaluru Chapter in association with the Department of Civil Engineering, IISc has organized a technical talk on "Natural Catastrophe Modelling in Practice: Insights and Case Studies" by Dr. Vipin K S, Senior Product Manager NatCat (Lead NatCat CoE), Swiss Re on 2nd February 2026. In his talk, Dr. Vipin discussed the application of Natural Catastrophe (NatCat) modelling for estimating the financial consequences of natural catastrophes and the challenges involved.

IGS Bengaluru Chapter has organized a one-day technical session on "Next-Generation Foundation Design: Pile & Raft Analysis" on 28th February 2026. The session was conducted in association with the Department of Civil Engineering, IISc, MIDAS, Sarathy Geotech, and TAQELL. The first technical talk was delivered by Mr. Vatan Sharma from MIDAS, on the application of MIDAS GTS NX for deep foundation design, pile–raft interaction, and advanced geotechnical analysis. The second technical talk was delivered by Dr. Sivani Ramesh from Sarathy Geotech on case studies related to deep foundation design using MIDAS GTS NX followed by a demonstration. Many research scholars, industry professionals and post graduate students attended this session and gained hands-on experience.

IGS Bengaluru Chapter has organized an outreach program on "Awareness on Geotechnical Engineering Profession" on 12th March 2026 at Sir M. Visvesvaraya Seminar Hall, Department of Civil Engineering, Jawaharlal Nehru National College of Engineering (JNNCE), Shivamogga. The program was coordinated by Ms. Bindiya K, Assistant Professor in the Department of Civil Engineering, JNNCE. The objective of the program was to create awareness among civil engineering students about the importance, scope, and career opportunities in the field of geotechnical engineering. The program featured technical talks delivered by three eminent speakers from Bengaluru Chapter, Dr. H. N. Ramesh, Former Interim Director and Principal, UVCE, Bangalore University, Bengaluru, Dr. Raghuveer Rao P, Department of Civil Engineering, IISc, and Dr. K. V. Vijayendra, Professor, Atria Institute of Technology, Bengaluru. Dr. Ramesh's talk highlighted the fundamental role of geotechnical engineering in the planning and construction of safe and sustainable civil engineering structures including earthquake-resistant construction, with emphasis on comprehensive soil investigation. Dr. Raghuveer's talk was focused on practical aspects of geotechnical engineering in real-world projects and discussed the emerging opportunities in geotechnical engineering field. Dr. Vijayendra presented several landmark case histories in geotechnical engineering that demonstrated the importance of precise geotechnical analysis and design.

IGS Bengaluru Chapter has organized its flagship annual event Prof. B. K. Ramiah Memorial lecture, in honour of its founding chairman, in the Golden jubilee seminar hall of the Department of Civil Engineering, IISc on 27th March 2026. This 34th Prof. B K Ramiah Memorial lecture was delivered by Dr. N. Ranganath, Chairman & Managing Director, E I Technologies Pvt. Ltd., Bengaluru on "Should Professionals Think Beyond Code Provisions? A Case Study of a Solar Park in Rajasthan". Taking the failure case study and restoration of a solar park in Rajasthan, the lecture described the significance of field visits and site investigation in infrastructural projects. Prof. Ananth Ramaswamy, Chair. Department of Civil Engineering, IISc was the chief guest. The talk was attended by many senior members of the chapter, industry experts, faculty members and students.

IGS Bengaluru Chapter annually presents awards to best M.Tech./M.E. project and Ph. D thesis from non-premier technical institutes in Karnataka. For the calendar year Jan 2025 to December 2025, five nominations were received for each award category. One from each category was selected for the award and the awards were presented to the students after the Annual General body Meeting of the Chapter on 27th March 2026.

IGS Guntur Chapter

A One-Day Workshop on "Challenges in Shallow and Deep Foundations" was successfully conducted on 23rd March 2026 at Visveswaraya Hall, Vijayawada, organized by the Roads & Buildings Department, Govt. of Andhra Pradesh, in association with the IGS Guntur Chapter. The programme commenced with the garlanding of Sir Mokshagundam Visvesvaraya Garu's statue, honouring his contributions to engineering. Dr. Lakshmi Mulagala (L&T Construction) delivered a lecture on shallow foundations, emphasizing geotechnical investigation (IS 2720), interpretation of SPT and CPT data, bearing capacity, and settlement analysis.

Inaugural Speech by Er. V. Ramachandra Garu, Ingineer-in-chief, R&B Department, Govt. of A.P., Vijayawada.

The session highlighted common issues such as differential settlement and improper soil investigation, supported by case studies. Mrs. Sushma B V (Tata Consulting Engineers) presented on deep foundations, focusing on subsoil profiling, in-situ tests (SPT, CPT, VST, PMT), laboratory testing, and parameter selection. The lecture also covered RQD, RMR classification, pile foundation behaviour, and load testing, along with failure case studies due to inadequate investigation and execution issues. Each session was followed by interactive discussions, enabling participants to clarify practical challenges in design and construction. The workshop concluded with a valedictory address, which has emphasized the importance of continuous technical learning. The event witnessed active participation from engineers, academicians, and students. The workshop provided valuable insights into practical geotechnical challenges, codal practices, and real-world applications.

IGS Hyderabad Chapter

The IGS Hyderabad Chapter organized *Geoid 2026*, a two-day intercollegiate symposium on "Geotechnical Engineering Opportunities in Infrastructure Development," on 16th and 17th March, 2026, at VNR Vignana Jyothi Institute of Engineering and Technology. The event was conducted by the Department of Civil Engineering in association with the Institute Innovation Council. It was the first student technical symposium at VNR VJIET exclusively dedicated to the domain of Geotechnical Engineering. The symposium was organized and coordinated by Dr. Sangeetha S. and Dr. K. Suresh under the leadership of Dr. K. Ramujee, Head of the Department, Civil Engineering Department, and Dr. B. Chennakesava Rao, Principal, VNR VJIET. The primary objective of the event was to enhance the geotechnical engineering skills of undergraduate

students, particularly pre-final and final-year students. A total of 154 students participated, including 44 external participants and 110 in-house students.

The symposium emphasized the need to inspire young engineers toward core engineering disciplines, especially Geotechnical Engineering. Reflecting this vision, a quote from Elon Musk was highlighted: *"The best minds of my generation are thinking about how to make people click ads."* Geoid 2026 aimed to redirect young minds toward solving real-world infrastructure challenges. Drawing inspiration from the Earth itself, the organizers noted that the Earth is neither a sphere nor an ellipse but a uniquely shaped "Geoid," whose behavior continues to challenge scientific understanding.

The symposium was inaugurated by the Chief Guest, Shri P. Suresh Kumar Gupta, Technical Director and Head of TGE, Jacobs Engineering India Pvt. Ltd., Hyderabad, and the Guest of Honour, Prof. P. Hari Krishna of National Institute of Technology Warangal. Shri P. Suresh Kumar Gupta, along with Mrs. P. Prashanthi, Senior Geotechnical Engineer, Jacobs, delivered expert lectures on recent infrastructure projects undertaken by Jacobs. Prof. P. Hari Krishna presented consultancy projects executed in Telangana in association with NIT Warangal.

The event featured several technical and innovative competitions. A Geotechnical Engineering Quiz saw participation from

27 teams, with five teams shortlisted for the finals. A B-Plan competition encouraged students to present startup ideas in Civil Engineering, including an AI-integrated application designed to improve the safety of site workers. On the second day, GeoStudio experts from Jacobs, Hyderabad, Mr. Yashwanth Sai and Mr. Srinu Kalluri, conducted a hands-on training session for 52 students. Poster presentations on geotechnical infrastructure innovations and the "Codes and Conduct" competition, based on IS 2720 laboratory practices, were also conducted. An informal pottery session was arranged to help students appreciate the ancient understanding of the plastic behaviour of clays.

The two-day technical extravaganza concluded with a valedictory ceremony presided over by Dr. C. Hari Prasad, Head, Civil Engineering Department, Mahindra University, and Honorary Secretary of the IGS Hyderabad Chapter.

IGS Indore Chapter

The Indian Geotechnical Society Indore Chapter organized an online Distinguished Lecture on 28th March 2026 for engineers, researchers, and students. The lecture was delivered by Dr. Kasi Viswanadh G. Prakhya, Director, Design Group at Sir Robert McAlpine, United Kingdom, on the topic *"Deep Basements – Soil–Structure Interaction & Observational Approach (Case Studies from the United Kingdom)."* The session was highly informative and engaging, reflecting the speaker's extensive international expertise. Dr. Prakhya explained the principles of soil–structure interaction and emphasized the significance of the observational approach in achieving safe, efficient, and economical designs. Through practical case studies from the United Kingdom, participants gained valuable insights into geotechnical challenges, risk mitigation strategies, and modern construction practices. Around 55 participants attended the lecture. The organizers expressed gratitude to the speaker and acknowledged the support of Dr. Neelima Satyam, Chairman, IGS Indore Chapter, and Dr. A.P. Singh. The program concluded with a vote of thanks by Dr. Monika Dagliya..

The IGS Indore Chapter, in association with the Department of Civil Engineering at Indian Institute of Technology Indore, successfully organized a three-day Short Course on *"Geotechnical Aspects of Earthquake Engineering"* from 18th to 20th March 2026. The program witnessed enthusiastic participation from practicing engineers, academicians, research scholars, and students from across the country, highlighting the growing importance of geotechnical considerations in seismic design.

The course was carefully structured to address India's seismic vulnerability and to enhance professional competency through a balanced combination of theoretical knowledge and practical exposure. Expert lectures covered important topics including engineering seismology, dynamic soil properties, seismic hazard analysis, and ground response analysis. Hands-on tutorials on geophysical testing, liquefaction assessment, and foundation design under seismic conditions provided participants with valuable technical insights and practical skills.

The sessions were delivered by distinguished faculty members and industry experts, ensuring meaningful knowledge exchange and exposure to real-world engineering practices. Interactive discussions, case studies, and problem-solving exercises further enriched the learning experience. Participants highly appreciated the comprehensive content and practical orientation of the course. Overall, the program was a great success in bridging the gap between theory and practice and contributed significantly to capacity building in the field of geotechnical earthquake engineering.

The IGS Student Chapter IIT Indore actively organized a technical site visit to the Kanh River Diversion Close Duct Project near Ujjain on 7th April 2026. The visit aimed to provide students with practical exposure to large-scale underground construction and environmental engineering solutions.

During the visit, participants observed key construction activities at the access shaft site, including gantry crane operations, deep shaft systems, tunnel

excavation, ventilation arrangements, and groundwater dewatering mechanisms. The project involves a combination of cut-and-cover and rock tunneling methods to divert polluted Kanh River water and prevent contamination of the Shipra River, particularly in view of the upcoming Simhastha Kumbh 2028.

Students gained valuable insights into real-world engineering challenges such as working in Deccan Trap basalt formations, managing groundwater

ingress, ensuring adequate ventilation in deep tunnels, and maintaining strict construction timelines. Interactions with engineers and the on-site study of design plans enhanced their understanding of soil–structure interaction, tunneling support systems, and project execution strategies.

Overall, the visit was highly informative and aligned with the objectives of the IGS Student Chapter to bridge the gap between theoretical learning and practical field applications in geotechnical and infrastructure engineering.

IGS Jabalpur Chapter

The Indian Geotechnical Society Jabalpur Chapter organized a One-Day National Seminar on *"Post Completion Challenges and Traffic Flow Improvement Strategies for Urban Flyovers and Bridges"* in association with The Institution of Engineers (India) Jabalpur Local Chapter on 22nd February 2026 at Jabalpur, Madhya Pradesh.

The seminar was inaugurated by the Chief Guest, Shri Arvind Yadav, Director, MGSIRD, Jabalpur, who emphasized the importance of well-planned infrastructure and stated that, in the era of rapid urbanization, an efficient transport system forms the foundation for the overall development of cities. The Guest of Honour, Shri Amrit Lal Sahu, Project Director, National Highways Authority of India (NHAI), highlighted the role of national highways, flyovers, and ring road projects in reducing traffic congestion through modern technologies and improved planning.

Dr. Sanjay Verma, Honorary Secretary, IGS Jabalpur Chapter, and Convener of the seminar, explained the objectives and themes of the event. The technical sessions were presided over by Er. Sanjiv Verma, Chairman, and Dr. Rajeev Chandak, Vice Chairman, IGS Jabalpur Chapter. Prof. Vedant Shrivastava, Treasurer, IGS Jabalpur Chapter, and Organizing Secretary of the seminar, presented a technical paper on *"Traffic Challenges and Solution Approaches."* IGS Life Member Er. Sagar Shrivastava presented a paper on *"Indian Bridge Construction Standards."* Dr. Sanjay Verma also delivered a presentation on *"Traffic Flow Analysis and Optimization Strategies Using Intelligent Traffic Systems, Signal Coordination, and Real-Time Monitoring."*

An exhibition of technical models and posters related to the seminar theme was displayed by students. Students Divyani Chaudhry, Ayush Maravi, Dharmendra Lodhi, and Rohit Maravi from the Takshshila Institute of Engineering and Technology Jabalpur Students Chapter presented posters on flyovers and bridges. The seminar concluded with a vote of thanks delivered by IGS Life Member and Honorary Secretary, IEI JLC Jabalpur, Er. S. S. Pawar.

IGS Kochi Chapter

The IGS Kochi Chapter, in association with IGS Thiruvananthapuram Chapter and other local chapters in Kerala, organized a two-day workshop, Geo Keralam 2.0, at Marian Engineering College on 25th and 26th February 2026. The theme of the event was "Sustainable Geotechnical Solutions for Problematic Soils and Disaster Management."

The program featured invited lectures by experts in the geotechnical engineering domain and included student competitions such as Geothon, Geo Quiz, Soil in Snap, and Geo Frame. A panel discussion on contemporary geotechnical challenges and solutions was also conducted.

The organizing committee honoured senior geotechnical engineers from Kerala as well as women professionals in geotechnical engineering. Dr. V. Veena,

Joint Secretary of IGS Kochi Chapter; Dr. Anitha G. Pillai, NEC Member; Dr. Sobha Cyrus, Vice Chairman; and Dr. K. S. Beena, EC Member of IGS Kochi Chapter, were honoured during the Women in Geotechnical Engineering event.

Dr. Benny Mathews Abraham, Past Chairman of IGS Kochi Chapter, was also honoured in absentia as one of the senior geotechnical engineers of Kerala. In addition, IGS Kochi Chapter sponsored the first and second prizes for the Geo Frame competition conducted during the event.

IGS Kolkata Chapter

The IGS Kolkata Chapter successfully organized a two-day National Conference on *"Future Challenges for Sustainable Development in Geotechnical Engineering (FCSDGeo-2026)"* with the participation of more than 175 delegates on 20th and 21st February, 2026. The conference brought together academicians, industry professionals, researchers, geologists, geoscientists, government authorities, and private organizations to deliberate on emerging challenges and sustainable solutions in geotechnical engineering.

The conference was inaugurated in the presence of Dr. Madhusudan Nayak, Founder of C.E. Testing Company Pvt. Ltd., as the Chief Guest, along with Dr. Anil Joseph and Dr. A. P. Singh. The event featured six keynote lectures, ten corporate presentations, and seven technical sessions. A total of 62 peer-reviewed papers were presented across various thematic areas in parallel sessions. Following an additional review process, the conference proceedings will be published by Springer in two volumes.

The keynote lectures were delivered by Prof. Deepankar Choudhury, Professor

(HAG) and Former Head, Department of Civil Engineering, IIT Bombay; Prof. Neelima Satyam Devarakonda, Institute Chair Professor and Former Head, Department of Civil Engineering, IIT Indore; Dr. Siau Chen Chian (Darren), Associate Professor, Department of Civil & Environmental Engineering, National University of Singapore; Prof. Rajib Sarkar, Associate Professor, Department of Civil Engineering, IIT Dhanbad; Mr. Manos De, Associate Vice President, Tata Consulting Engineers Ltd., Jamshedpur; and Mr. Somnath Nandan, Senior Vice President (Engineering), Kalpataru Projects International Ltd. Certificates were distributed to paper presenters, corporate presenters, volunteers, and participants in recognition of their contributions.

The IGS Kolkata chapter has announced the formation of a Student Chapter at the Department of Civil Engineering, National Institute of Technical Teachers' Training and Research Kolkata. The newly formed IGS-KC Student Chapter organized its first technical workshop titled *"RCC Superstructures with Foundation Design"* in collaboration with MIDAS. The workshop witnessed the active participation of around 200 students, research scholars, and faculty members and provided valuable hands-on exposure to RCC superstructure analysis and foundation design using advanced engineering tools. The programme marked a significant milestone following the formal inauguration of the Student Chapter on 14th February 2026.

IGS Mumbai Chapter

A one-day symposium on *"Scaling of Geosynthetics in India"* was held on 7th March 2026 at Indian Institute of Technology Bombay, bringing together academicians, industry leaders, consultants, and young engineers to discuss the growing role of geosynthetics in infrastructure development. The inaugural session emphasized the importance of geosynthetics in sustainable development, the need to build stakeholder confidence, and the integration of geosynthetics into mainstream engineering practice.

Chief Guest Mr. Anshumali Shrivastava, CGM, NHAI, highlighted the strong potential of geosynthetics in national highway projects and explained how carbon credits can support infrastructure using these materials. Guest of Honour Mr. Rajesh Kumar Shekhawat, PCE, East Coast Railway, observed that conventional construction materials have limitations in strength, land efficiency, and long-term performance, whereas modern infrastructure requires service lives exceeding 100 years with optimized life-cycle costs. Prof. Srikrishna V. Kulkarni, Dean of R&D, IIT Bombay, spoke about the institute's legacy and its alignment with the symposium objectives. Prof. Sivakumar Babu, President, IGS India Chapter, emphasized innovation in highways, railways, and environmental protection, while Ms. Minimol Korulla, Vice President, Geosynthetics Society Pune, acknowledged the contributions of members, speakers, organizers, and sponsors.

A leadership dialogue on *"Geosynthetics for a Resilient and Cost-Optimized India,"* chaired by Mr. Vivek Kapadia, examined barriers to wider adoption of geosynthetics. Representatives from NHAI, East Coast Railway, and industry leaders from Techfab, Geoquest India, Strata Geosystems, and Maccaferri India discussed key challenges and possible solutions.

The technical session covered innovations in GRS walls, reinforced pavements, drainage systems, and geofoam applications. Expert lectures were delivered by Prof. Amit Prashant (IIT Gandhinagar), Prof. Satyajit Patel (NIT Surat), Prof. Divya P. V. (IIT Palakkad), and Dr. Parvathi G. S. (CRRI). Industry talks were delivered by Dr. Kolli Mohan, Mr. Himanshu Kotak, Dr. Ratnakar R. Mahajan, and Ms. Dola Roychowdhry. The symposium concluded with a stakeholder-driven roadmap to strengthen the geosynthetics ecosystem in India.

The 4th IGS Mumbai Student Chapter was inaugurated on 17th March 2026 at the Department of Civil Engineering, Datta Meghe College of Engineering. Dr. A. R. Katti, Managing Director, NYSS, Airoli, and Prof. Ashish Juneja, Chairman of IGS Mumbai Chapter and Professor at Indian Institute of Technology Bombay, attended as Chief Guests and inspired students with their guidance and practical insights into Geotechnical Engineering.

Prof. Ashish Juneja delivered a presentation on the unique behaviour of soil as a naturally deposited, non-uniform, nonlinear, and stress-dependent material. He explained the concepts using real-world examples related to piles, tunnels, and ground settlement. Mr. Sridharan Karthikeya Palli, Research Scholar at IIT Bombay, presented his research work and discussed emerging research areas in Geotechnical Engineering in an engaging manner.

The half-day programme witnessed the participation of more than 100 students, who enthusiastically took part in an app-based quiz conducted at the end of the event.

Outstanding achievement by IGS Mumbai Chapter Student Members

Dr. Margi Manishkumar Dave has been nominated by the Indian Geotechnical Society as a participant for the 11th Asian Young Geotechnical Engineers Conference to be held in association with GeoMandu 2027 from 17th to 19th March 2027 in Kathmandu.

Dr. Animesh Sharma received the *Student Excellence Award – Doctoral (PhD) Level* for his outstanding doctoral research contributions toward the advancement of tunnelling and underground construction at TunnelTech 2026 held on 13th and 14th March 2026 in Gurugram.

IGS Mysuru Chapter

RAGI–2026, a one-day National Workshop on *"Recent Advances in Geotechnics for Infrastructure,"* was successfully held on 17th March 2026 at ATME College of Engineering. The workshop, a flagship initiative of the Association of Consulting Civil Engineers (India) Mysore Centre conducted regularly since 2014, marked its ninth biennial edition. The event was jointly organized by ACCE (I) Mysore Centre, IGS Bengaluru Chapter, and IGS Mysuru Chapter in collaboration with ATMECE, MITM, SJCE-JSSSTU, NIE, and VVCE.

The workshop aimed to strengthen awareness of geotechnical engineering among professionals, academicians, and students while fostering academia–industry collaboration. Four distinguished experts from academia and industry delivered keynote lectures. Dr. N. Ranganath, Chairman and Managing Director, EI Technologies Pvt. Ltd., Bengaluru, spoke on foundation failures in a solar park at Bikaner, Rajasthan. Dr. Amarnath Hegde, Associate Professor and Dean (Infrastructure), Indian Institute of Technology Dharwad, discussed geosynthetics-based barrier systems for controlling dynamic soil response and ground vibration. Dr. Jaykumar Shukla, Principal Engineer and Director, Geodynamics, Vadodara, delivered a lecture on soil–structure interaction in urban skylines. Dr. Prasanna, Assistant Professor, Indian Institute of Technology Hyderabad, presented on liquefaction characteristics of soil under multidimensional seismic loading paths.

Dignitaries with Proceedings of RAGI 202

The workshop attracted more than 410 delegates, including students, faculty members, and industry professionals, creating a vibrant platform for technical exchange and networking. During the event, the *RAGI–2026 Proceedings*, jointly edited by Prof. S. K. Prasad and Prof. S. Raviraj, were formally released.

In his inaugural address, Chief Guest Dr. N. Ranganath highlighted the importance of expert interaction, field exposure, and continuous self-learning in professional growth. Er. Arun Kumar, who presided over the event, emphasized the critical role of geotechnical engineering in achieving India's *Viksit Bharat 2047* vision. The workshop concluded successfully with insightful discussions and active participant engagement.

IGS Patna Chapter

The IGS IIT Patna Students' Chapter, in association with the IGS Patna Chapter and the Department of Civil and Environmental Engineering, Indian Institute of Technology Patna, successfully organized *GeoLecture Series – 02* on the theme *"Criticality of Field Investigations in Geotechnical Engineering Projects"* during January 2026. The series comprised four expert lectures delivered by distinguished professionals from academia and industry.

The first lecture, held on 7th January 2026, was delivered by Dr. Ravi Sundaram, Director, Cengrs Geotechnica Pvt. Ltd., who emphasized the importance of comprehensive site investigations and available field techniques. The second lecture, conducted on 15th January 2026, featured Mr. Rudra Budhbhatti, Head-Technical, Maccaferri India, who presented on rockfall mitigation systems, including IoT-based alert and monitoring technologies. The third lecture, held on 17th January 2026, was delivered by Dr. Akshay Pratap Singh, Assistant Professor, Indian Institute of Technology Indore, who discussed the role of field investigation parameters in the analysis of retaining structures. The final lecture, conducted on 31st January 2026, featured Dr. Hasthi Venkateswarlu, Assistant Professor, Maulana Azad National Institute of Technology Bhopal, who spoke on geocell-reinforced foundations and recent advancements in the field.

Encouraged by the enthusiastic response, the chapter initiated *GeoLecture Series – 03* on the theme *"Advancements and Novel Mitigation Approaches in Soil Dynamics."* The first lecture of the series, held on 20th March 2026, was delivered by Prof. Kousik Deb, Professor, Indian Institute of Technology Kharagpur. The second lecture, conducted on 28th March 2026, featured Prof. Barnali Ghosh, Technical Director (Seismic), Mott MacDonald, UK, and Visiting Professor at the University of Cambridge. Both lecture series witnessed active participation from faculty members, research scholars, and students from various institutions.

The five-day Online Faculty Development Programme (FDP) on *"Climate-Resilient Advanced Geotechnical and Geoenvironmental Engineering (CRAGGE 2026)"* was successfully organized from 5th to 09th January 2026 by the Department of Civil Engineering, National Institute of Technology Patna in association with the IGS Patna Chapter. The FDP served as a national platform for academicians, researchers, and students to deliberate on emerging challenges and innovative solutions in geotechnical and geoenvironmental engineering under changing climatic conditions. The programme witnessed active participation from 90 registered participants across the country.

The inaugural session marked the formal commencement of the FDP and set the

stage for the technical deliberations that followed. The programme was coordinated by Dr. Anil Kumar Sharma and Dr. Shiv Shankar Kumar under the guidance of Prof. Sunita Kumari, Head, Department of Civil Engineering, NIT Patna, and Chairman, IGS Patna Chapter. The active involvement of the IGS Patna Chapter significantly contributed to the successful organization and academic quality of the programme.

The FDP featured expert lectures by eminent academicians from premier institutions including IITs, NITs, and reputed international universities. The inaugural lecture by Prof. Darren Chian Siau Chen of the National University of Singapore focused on reducing the carbon footprint of cement using

calcined clay pozzolans, highlighting sustainable material innovations. Subsequent sessions covered climate-resilient infrastructure, landfill waste management, sustainable liner systems, thermo-hydro-mechanical behaviour of bentonite barriers for radioactive waste disposal, disaster risk reduction through sustainable geotechnical practices, and biopolymer-based soil stabilization.

The FDP also highlighted emerging approaches such as machine learning in geotechnical risk analysis and remote sensing-based landslide susceptibility assessment, demonstrating the integration of advanced computational tools with modern geotechnical engineering practices.

IGS Pune Chapter

Dr. Saurav Kar, EC Member of the chapter participated as a "Specialist Witness" in the Guinness World Record attempt organized by Rajpath Infracon Pvt. Ltd. on 11th January 2026.

Er. Vikas Ramgude, Former Joint Director, MSRDC, was felicitated on the occasion of his superannuation on 26th January 2026 at Vishveshwaraya Committee Hall, College of Engineering Pune, in recognition of his contributions to bridge engineering and his long association with the IGS Pune Chapter.

The programme was attended by Dr. Sunil Bhirud, Vice Chancellor of GOEP Technological University, as the Chief Guest, along with Er. Avinash Patil, Director of Town Planning, and Er. Prashant Fegde, Chief Engineer, NHAI (Maharashtra and Goa).

Dr. Sariput Nawghare welcomed the dignitaries, attendees, and members of the IGS Executive Committee. Er. Ramesh Kulkarni, Dr. Vikas Patil, and Er. Suman Jain spoke about Er. Ramgude's contributions to bridge engineering and infrastructure development.

In his address, Dr. Sunil Bhirud highlighted the role of experienced professionals in guiding future generations of engineers. Er. Ramgude acknowledged the recognition and thanked the organizing committee. The programme concluded with a vote of thanks by Dr. Sariput Nawghare.

Dr. Sandip Mali was invited as an expert speaker on "Solid Waste Management" by the Department of Civil Engineering, SKN Sinhgad College of Engineering, in association with the IGS Student Chapter SKN Sinhgad College of Engineering, on 14th February 2026. The session was attended by faculty members and students of the institute. During the lecture, Dr. Mali discussed solid waste, its types, sources, and various management practices, highlighting sustainable approaches to waste handling and disposal.

A one-day workshop on "Applications of Geosynthetics in Geotechnical Engineering" was organized on 14th February 2026 by the Department of Civil Engineering and the IGS-RIT Chapter for undergraduate students.

The technical sessions were delivered by Dr. Nawghare, Treasurer, IGS Pune Chapter; Er. Annapoorni Iyer, EC Member, IGS Pune Chapter; and Dr. Guruprasad Chavan, Faculty Member, KIT College of Engineering. The workshop was attended by more than 100 students and faculty members and was well coordinated by Dr. Sachin More, Faculty Advisor, IGS-RIT Chapter.

The 46th Student Chapter of the IGS Pune Chapter was inaugurated at Pravara College of Engineering on 05th March 2026. The programme was graced by mentor and Chief Guest Er. Ramesh Kulkarni, Chairperson Er. Suman Jain, and EC members Dr. Sachin Jain and Dr. Rohit Pote from the IGS Pune Chapter.

Er. Suman Jain and Dr. Sachin Jain addressed the gathering, highlighting the activities and objectives of the student chapter. An expert session was delivered by Er. Ramesh Kulkarni, who discussed the challenges encountered during field investigations and demonstrated practical case studies through videos.

The IGS Student Chapter Department of Geology Savitribai Phule Pune University, in association with the IGS Pune Chapter, organized a one-day workshop and Women's Day celebration on 6th March 2026 at the department auditorium. The workshop was conducted on the theme "Sustainable Earth, Empowered Women: The Geotechnical Connection."

The inaugural session was graced by Chief Guest Er. Suman Jain and attended by Er. Ramesh Kulkarni, Er. Deepali Kulkarni, Dr. Sachin Jain, and other Executive Committee members. The organizing committee from the Department of Geology included Dr. Bhavana Umrikar, Dr. D. P. Mohanty, and Dr. Aditi Mookharjee.

As part of the Women's Day celebration, technical sessions were delivered by Dr. Mallika Jonnalagadda from IDSS, Savitribai Phule Pune University, who discussed the interrelationship between geotechnical engineering and geology in sustainable development, and Mrs. Parmita Dasarwar, Superintending Geologist, GSI Pune, who presented case studies on site conditions and geotechnical investigations. A student poster competition was also conducted to encourage technical and academic engagement.

During her address, Er. Suman Jain highlighted the activities and significance of the IGS Pune Chapter and appreciated the efforts of the organizing team. Er. Deepali Kulkarni also acknowledged the successful conduct of the event. The programme concluded with a vote of thanks by Dr. D. P. Mohanty.

GeoFest 2026, the fifth edition of NICMAR University's flagship national-level technical event, was organized by the School of Engineering in collaboration with the IGS Pune Chapter on 17th and 18th March 2026. The event provided a vibrant platform for knowledge exchange, technical excellence, and interdisciplinary learning in Geotechnical Engineering.

The programme showcased innovative ideas, hands-on expertise, and practical insights, attracting participation from more than 200 students representing over 20 institutions across the country. GeoFest 2026 effectively bridged the gap between academic learning and industry practice by bringing together students, faculty members, and industry professionals in an engaging technical environment.

The event was graced by Dr. Sushma Kulkarni, Vice Chancellor of NICMAR University, along with Deans and faculty members from various schools of the university, as well as professionals and representatives from different institutions and organizations.

A one-day training programme on "Advancements in Geotechnical Engineering" was organized by the IGS Student Chapter Padmabhooshan Vasantdada Patil Institute of Technology in association with the IGS Pune Chapter on 27th March 2026. The programme commenced with Saraswati Pujan, followed by a welcome address by Prof. V. O. Biradar.

Dr. Vikas Patil, Managing Director of Savi Infra and Immediate Past Chairman of the IGS Pune Chapter, attended as the Chief Guest, while Er. Suman Jain, Chairperson of the IGS Pune Chapter, and Er. Ramesh Kulkarni, Mentor of the IGS Pune Chapter, were present as Guests of Honour. Principal Dr. R. S. Pawar, Er. Suman Jain, and Dr. Vikas Patil addressed the gathering and highlighted the importance of advancements in geotechnical engineering and industry–academia collaboration.

The programme featured expert sessions by Dr. Sariput Nawghare, Treasurer, IGS Pune Chapter; Dr. Shrikant Shinde, EC Member, IGS Pune Chapter; and Dr. Shabhaz Dandin, Faculty Member, MIT World Peace University. The sessions focused on recent developments, practical applications, and emerging trends in geotechnical engineering, providing students with valuable industry-oriented exposure.

The programme concluded with a vote of thanks by Dr. D. B. Jasutkar, Head

of the Department, who acknowledged the contributions of the dignitaries, speakers, and participants.

The Department of Civil Engineering at Padmabhooshan Vasantdada Patil Institute of Technology, in association with the IGS Pune Chapter, organized on 28 March 2026, an informative site visit to the retaining wall construction project at Warje on the Mula River, being executed by Savi Infrastructures. The visit was conducted with the permission of Dr. Vikas Patil, Managing Director, Savi Infrastructures, and Past Chairman of the IGS Pune Chapter.

A total of 50 Civil Engineering students participated in the field visit under the guidance of Prof. V. O. Biradar and Prof. V. B. Chakrasali. The visit provided students with practical exposure to geotechnical and site conditions, helping bridge the gap between classroom learning and field applications while enhancing their technical knowledge and professional skills.

IGS Surathkal Chapter

The Department of Civil Engineering at NMAM Institute of Technology, a constituent college of Nitte (Deemed to be University), in association with the IGS Surathkal Chapter, successfully organized the National Symposium on *"Insights for Resilient Soil Mechanics (IRSM 2026)"* from 12th to 14th March 2026. The symposium, the first major IGS-associated geotechnical event at NMAMIT, attracted more than 70 delegates, including research scholars, students, faculty members, practicing engineers, and international online participants from Bangladesh.

A major highlight of the symposium was the inauguration of the first IGS Student Chapter under the IGS Surathkal Chapter by Prof. B. M. Sunil, Chairman, IGS Surathkal Chapter. The ceremony was attended by Dr. Babloo Chaudhary, Honorary Secretary, IGS

Surathkal Chapter, along with Executive Committee members. The event was also dedicated to Prof. I. R. Mithanthaya on the occasion of his superannuation. In a unique academic gesture, he was felicitated by his M.Tech supervisor, Chief Guest Prof. R. K. Yaji, retired Professor of National Institute of Technology Karnataka Surathkal and senior fellow of IGS.

The symposium featured five technical sessions led by IGS Executive Committee members. Keynote lectures were delivered by Prof. Gali Madhavi Latha on the Chenab Rail Bridge, Prof. N. Unnikrishnan on geotechnical failures in Kerala, Prof. S. K. Prasad on earthquake engineering, Er. Dr. C. R. Parthasarathy on deep foundation testing, and Prof. Neelima Satyam Devarakonda on nature-based coastal protection systems.

The final day included technical visits to the Advanced Geotechnical Engineering Laboratories at NITK Surathkal and the industrial facilities of Sristi Ventures, bridging theory with practical exposure. The symposium, supported by IGS Headquarters and Dr. A. P. Singh, emphasized mentorship and research translation. The organizing committee, led by Dr. Shriram Marathe (Organizing Secretary), Prof. Arun Kumar Bhat (Programme Chair and Convener), and Prof. Srinath Shetty (Chief Convenor), ensured the successful conduct of the event.

IGS Tadepalligudem Chapter

A One-Day Technical Lecture Series on *"Sustainable Geotechnical Solutions for Infrastructure Development"* was successfully conducted on 31st January 2026 by the Department of Civil Engineering in association with the IGS Tadepalligudem Chapter.

The programme commenced with an inaugural session held under the guidance of the management and Principal of SITE. The first technical lecture, titled *"Sustainable Ground Improvement,"* was delivered by Er. P. V. S. R. Prasad, Head – Business Development, and Ms. Vimala C., Geotechnical Manager, Keller India, Chennai. The speakers discussed modern ground improvement methods, soil stabilization techniques, and their real-world applications.

The second lecture, *"Geosynthetics and its Application in Infrastructure Case Studies,"* was delivered by Er. Trimurthi Raju P., Managing Partner, Sree Coir Industries, Tadepalligudem. The session focused on the application of geosynthetics in embankments, subgrade improvement, and infrastructure development through practical case studies.

The event witnessed the participation of 51 students and 10 faculty members. A Digital Poster Presentation Competition on *"Ground Improvement Techniques"* was also organized to encourage innovation and applied learning among students. Participants presented technical posters on sustainable geotechnical solutions, and first and second prizes were awarded to the best presentations.

A One-Day Guest Lecture on *"Advances in Pre-Engineering Building Systems"* was successfully conducted on 14th February 2026 by the Department of Civil Engineering in association with the IGS Tadepalligudem Chapter.

The programme commenced with an inaugural session under the guidance of the management and Principal of SITE. The guest lecture was delivered by Mr. Mohammad Rahmatulla, Industrial Consultant and PEB Trainer for faculty members and design engineers, Hyderabad.

Mr. Rahmatulla explained the fundamentals of Pre-Engineered Building (PEB) systems and discussed the design of PEB structures using standardized components such as primary framing, secondary members, and cladding systems. He also highlighted the advantages of factory fabrication, ease of transportation, and rapid on-site assembly. In addition, he elaborated on various design techniques for prefabricated structures and demonstrated the concepts through real-time industry examples, providing participants with practical insights into modern construction practices and structural design approaches.

The Faculty Development Programme titled *"Pathways to Sustainable Transportation & Infrastructure Development (SUSTAIN-TRANS'2026)"* was conducted from 9th to 13th March 2026, providing a comprehensive platform focused on sustainable and technology-driven practices in pavement and traffic engineering.

The five-day programme featured expert lectures and witnessed active participation from around 110 attendees, including faculty members, students, and industry professionals. Through interactive sessions, the programme effectively combined theoretical concepts with practical insights, enhancing participants' understanding of modern trends, innovative solutions, and sustainable practices essential for efficient, safe, and future-ready transportation systems.

At the conclusion of the programme, an assessment test was conducted and certificates were awarded to successful participants. Overall, *SUSTAIN-TRANS'2026* significantly enriched participants' technical knowledge and encouraged the adoption of sustainable and modern approaches in transportation and infrastructure development.

IGS Thiruvananthapuram Chapter

The IGS Student Chapter LBS Institute of Technology for Women successfully released its annual student magazine *"GEONIX"* in January 2025. The magazine was formally released by Er. Jayakumar J., Additional Chief Town Planner (Retired), Thiruvananthapuram, marking an important academic milestone for the chapter. *GEONIX* features student contributions, technical articles, and creative insights related to Geotechnical Engineering, reflecting the academic enthusiasm and professional growth of the members.

The chapter also released its semester newsletter, *"GeoChronicle,"* highlighting the activities, achievements, and technical engagements of the student chapter.

The IGS Student Chapter College of Engineering Trivandrum released its monthly newsletter titled *"GEO TIMES"* along with the technical feature publication *"Advances in Geotechnical*

Engineering (AGE).” Both publications highlighted recent developments, technical knowledge, and student activities in the field of Geotechnical Engineering.

The IGS Student Chapter LBS Institute of Technology for Women organized a Geotechnical Hackathon titled *“TERRAHACK 2026”* in January 2026. Dr. Jayamohan J., Chairman, IGS Thiruvananthapuram Chapter, served as the judge for the event, while the awards were presented by Er. Jayakumar, Additional Chief Town Planner (Retd.).

The IGS Student Chapter College of Engineering Trivandrum conducts a weekly quiz programme titled *“GEOSEQ”* through its Instagram platform. The initiative has witnessed enthusiastic participation, with more than 200 students actively engaging in the quiz series. The consistent response reflects the effectiveness of the platform and the growing interest among students in strengthening their technical knowledge in an interactive and competitive manner. *GEOSEQ* has encouraged regular academic engagement beyond the classroom and contributed to building an active learning community among Civil Engineering students.

GeoKeralam 2026, a two-day technical workshop on *“Sustainable Geotechnical Solutions for Problematic Soils and Disaster Management,”* was organized on 25th and 26th February 2026 by the Indian Geotechnical Society Thiruvananthapuram Chapter, IGS Kochi Chapter, IGS Calicut Chapter, and IGS Palakkad Chapter in association with the Department of Civil Engineering, Marian Engineering College. This was the second edition of the event, following the first edition held at Cochin University of Science and Technology in 2023.

The workshop was conducted under the leadership of Dr. Jayamohan J. (Joint Director, LBSCST, and Chairman, IGS Thiruvananthapuram Chapter) as Organizing Chair and Dr. Rani V. (HoD-CE, Marian Engineering College, and Joint Secretary, IGS Thiruvananthapuram Chapter) as Organizing Secretary. The event received an overwhelming response, with more than 250 delegates from academic institutions, research organizations, and industries across Kerala participating in the programme.

Several technical competitions were organized for student delegates to promote interest in different aspects of Geotechnical Engineering, with prizes sponsored by the IGS local chapters. More than 100 students participated in the competitions. Teams from Indian Institute of Technology Palakkad won the GeoQuiz and GeoThon competitions, while students from Marian Engineering College secured prizes in GeoFrame and Soil in a Snap competition. Special sessions were also organized to honour women geotechnical engineers and senior professionals in the field. A panel discussion on recent failures in National Highway works across Kerala received significant appreciation from participants.

The event was inaugurated by Dr. Binu Francis IAS, CMD, KWA, and featured keynote addresses by Er. K. P. Purushothaman (Director, KIIFCON), Dr. M. Baba (Former Director, NCESS), Dr. K. Balan (Principal Project Advisor, KIIFB), Dr. Vandana Sreedharan (HoD-CE, GCEK), Dr. Divya P. V. (Associate Professor, IIT Palakkad), and Dr. Jimmy Thomas (Vice Chairman, IGS Kochi Chapter). The workshop formed part of the Silver Jubilee Celebrations of Marian Engineering College and was attended by prominent members of the geotechnical community, including Dr. Anil Joseph, President, Indian Geotechnical Society, and Dr. A. P. Singh, Secretary, Indian Geotechnical Society.

IGS Vellore Chapter

A one-day workshop on *"Advanced NDT-Based Integrity Assessment of RCC Structures and Foundation Systems"* was successfully conducted on 27th March 2026 at the Centre for Disaster Mitigation and Management. The programme was jointly organized by CDMM and the School of Civil Engineering in association with the ISET Vellore Chapter and IGS Vellore Chapter. The workshop aimed to provide both theoretical understanding and practical exposure to advanced non-destructive testing (NDT) techniques for assessing the condition and performance of reinforced concrete structures and foundation systems.

The workshop was attended by 24 participants, including 6 faculty members and 18 students from nearby engineering colleges, ensuring a balanced mix of academic expertise and young learners. The sessions began with an introduction to NDT techniques and their significance in structural condition assessment, delivered by domain experts. Technical sessions covered the principles, operational aspects, limitations, and real-world applications of various NDT methods used in infrastructure evaluation.

A major highlight of the programme was the hands-on training session, where participants gained practical exposure to modern NDT equipment such as rebound hammers, ultrasonic pulse velocity testers, rebar locators, corrosion detectors, and soil moisture probes. The session enabled participants to better understand field applications, testing procedures, and data interpretation techniques.

The workshop concluded with an interactive discussion session that encouraged participants to clarify doubts and exchange ideas with experts. Overall, the programme was highly appreciated and successfully achieved its objective of enhancing technical knowledge and practical skills in NDT-based structural assessment.

IGS Visakhapatnam Chapter

The IGS Visakhapatnam Chapter and the Department of Civil Engineering, Andhra University College of Engineering organized a one-day workshop on *"Retention Systems to Support Deep Excavations"* in collaboration with Keller Ground Engineering India Pvt. Ltd. on 30th January 2026. The workshop was coordinated by Prof. C. N. V. Satyanarayana Reddy, Head of the Department of Civil Engineering and Chairman, IGS Visakhapatnam Chapter.

The programme was inaugurated by Prof. M. Shashi, Principal, AU College of Engineering, who highlighted the growing importance of safe and reliable deep excavation technologies in urban infrastructure projects. She emphasized the need for effective retention systems to ensure the safety of adjacent structures during basement and underground construction works.

Prof. C. N. V. Satyanarayana Reddy delivered a lecture on *"Deep Excavations in Civil Engineering Projects – An Overview,"* explaining various soil retention methods including soil nailing, micropiles, sheet piles, contiguous pile walls, secant pile walls, and diaphragm walls, along with their suitability under different soil and groundwater conditions.

Sri A. Madan Kumar, Engineering Director, Keller Ground Engineering Asia, discussed the design aspects and uncertainties associated with retention systems, including unexpected surcharge loads and rainfall-induced saturation. He presented case studies on failures of deep excavation support systems from projects in India and abroad. Mrs. Vimala Chinnaswamy delivered a presentation on performance monitoring of deep excavation systems with examples from IT buildings, seawall intakes, commercial complexes, urban developments, and educational institutions.

The participants were also taken on a site visit to the GITAM Deemed to be University campus to observe a recently constructed diaphragm wall for basement construction in sandy soil for the CIF building project executed by

Interactive Session during workshop

Keller Ground Engineering India. The visit was coordinated by Sri P. V. S. R. Prasad, Geotechnical Manager, Keller Ground Engineering India.

The workshop was attended by around 160 delegates, including engineers from state and central government departments, Visakhapatnam Port Authority, MES, DGNP, CPWD, GVMC, VMRDA, and HPCL, along with faculty members, research scholars, and postgraduate students.

A two-day workshop on *"BIS Code IS 18591-2024: Code of Practice on Geosynthetic Reinforced Soil Structures"* was organized on 27th and 28th February 2026 as part of the centenary celebrations of Andhra University by the Department of Civil Engineering, Andhra University College of Engineering in association with the Bureau of Indian Standards, iGrip, Indian Institute of Technology Gandhinagar, and the IGS Visakhapatnam Chapter.

The workshop was inaugurated by Prof. M. Shashi, Principal, AUCE, who highlighted the role of BIS in developing reliable and safe standards by integrating theoretical concepts with field practices. She emphasized the importance of soil–structure interaction in geosynthetic-based infrastructure projects.

The workshop was coordinated by Prof. C. N. V. Satyanarayana Reddy, Head of the Department of Civil Engineering and Chairman, IGS Visakhapatnam Chapter, along with Prof. K. Rajagopal, Adjunct Professor, AUCE. Prof. Satyanarayana Reddy emphasized the importance of geosynthetic reinforced soil structures in weak subsoil conditions and acknowledged the contribution of the TXD 30 Geosynthetics Sectional Committee of BIS in formulating IS 18591-2024. Prof. K. Rajagopal explained the rigorous process involved in developing the code and the efforts taken by BIS for its dissemination among stakeholders.

Chief Guest Prof. G. V. Rao, former Professor and Head, Department of Civil Engineering, Indian Institute of Technology Delhi and Visiting Professor, IIT Gandhinagar, highlighted the comprehensive nature of IS 18591-2024, covering material specifications, seismic loading, and ground improvement requirements. He appreciated the collaborative efforts of academicians, practicing engineers, consultants, and geosynthetic industries in framing the code.

Technical sessions on Day 1 included lectures by Mr. D. Vivek Vardhan Reddy, Scientist-C and Deputy Director, BIS Vijayawada Branch, on BIS activities and quality standards, and Mr. Himanshu Shukla, Scientist-C (Textiles), BIS New Delhi, on geosynthetic characterization tests and related standards. Mr. Suraj Ved Pathak, General Manager – Technical Management, Strata Geosystems India Pvt. Ltd., and Prof. Amit Prashant, IIT Gandhinagar, discussed the importance of proper soil investigations through case studies of reinforced earth wall failures.

On Day 2, Prof. Amit Prashant and Dr. Kolli Mohan Krishna of Geosynapse spoke on reinforced soil slope design. Dr. Ratnakar Mahajan of Maccaferri India delivered a lecture on basal reinforcement design. Sri Saurabh Vyas of TechFab India discussed reinforced soil abutments and shored structures, while Sri Suraj Ved Pathak presented on geocell-based basal reinforcement. Mrs. Dola Roy Chowdhury of G-Cube Consulting Engineers delivered a lecture on construction detailing and drainage aspects of reinforced earth walls.

Resource Persons of the workshop

The workshop was attended by more than 250 delegates, including engineers from Visakhapatnam Port Authority, MES, DGNP, CPWD, GVMC, VMRDA, and HPCL, along with faculty members, researchers, and students.

A two-day workshop titled *"Geotechnical Solutions for Infrastructure Projects in Problematic Ground"* was jointly organized by the Department of Civil Engineering, Andhra University College of Engineering and the IGS Visakhapatnam Chapter on 22nd and 23rd March 2026 as part of the centenary celebrations of Andhra University.

The workshop was inaugurated by Prof. V. S. Raju, former Director of Indian Institute of Technology Delhi, who emphasized the relevance of the theme and shared insights from his global professional experience on soil behaviour, structures, and decision-making in infrastructure projects. Prof. G. P. Rajasekhar, Vice Chancellor, Andhra University, highlighted the technological transformation taking place in the construction sector and stressed the importance of soil conservation and curriculum modernization through online platforms and NPTEL.

Prof. C.N.V. Satyanarayana Reddy, Convener, stated that the workshop aimed to provide expert guidance on construction in problematic soils, while Prof. P. V. V. Satyanarayana coordinated the programme. Dr. Anil Joseph, President, Indian Geotechnical Society, spoke on the role and expertise of IGS and discussed precautions required while building on problematic soils. Dr. A. P. Singh, Honorary Secretary, IGS, also addressed the gathering.

The workshop featured several expert technical sessions. Dr. Anil Joseph

Resource persons with Delegates of Workshop

delivered a lecture on *"From Distress to Stability: Geotechnical Solutions for Infrastructure Projects on Problematic Ground."* Prof. V. S. Raju discussed problematic soils and suitable foundation strategies. Dr. Parthasarathy of Saradhy Geotech & Engineering Services Pvt. Ltd., Bengaluru, spoke on offshore geotechnical challenges and deep foundation systems. Prof. C. N. V. Satyanarayana Reddy presented a case study on ground heaving in soft marine clay and mitigation using PVDs and preloading. Prof. D. Neelima Satyam discussed sustainable coastal erosion protection using microbial-induced calcite precipitation. Prof. N. K. Samadhiya of Indian Institute of Technology Roorkee delivered a lecture on rock mass characterization and tunnel support pressure, while Dr. Ravi Kiran Vaidya of Geodynamics, Vadodara, spoke on deep foundation testing and analysis.

Workshop Inaugurated by Prof. V.S Raju, Former Director, IIT Delhi in presence of Prof. G.P. Rajasekhar, Vice Chancellor, Andhra University, Dr. Anil Joseph, President, IGS and other Dignitaries.

On the second day, Prof. M. R. Madhav, former Head of Civil Engineering, IIT Kanpur, delivered a lecture on *"Geosutras—Paradigm for Geopractice"* and released his book *"Geosutras."* Prof. G. Madhavi Latha of Indian Institute of Science Bengaluru presented on the Chenab Railway Bridge project. Prof. K. Rajagopal, former Head, IIT Madras and Adjunct Professor, AU, discussed construction aspects of the Chenab Bridge. Prof. T. Thyagaraj of Indian Institute of Technology Madras spoke on expansive soils, while Prof. C.H. Murali Krishna of Indian Institute of Technology Tirupati discussed liquefaction mitigation using stone columns. Prof. S.K. Prasad and Prof. H.N. Ramesh presented forensic analyses of recent building collapses in Bengaluru. The workshop concluded with a valedictory session and distribution of certificates to participants.

National Executive Committee Members with Organising Committee of Workshop

MEMBERS' NEWS

Dr. Altaf Usmani (LF-2321)

Dr. Altaf Usmani, General Manager at Engineers India Ltd., has been appointed as the Technical Member representing India on the International Commission on Ultra Deep Rock Mechanics and Engineering (UDRM) for the term 2025–2027. The commission operates under the umbrella of the International Society of Rock Mechanics (ISRM), a globally recognized body dedicated to advancing research and innovation in rock mechanics.

Dr. Usmani's appointment marks a significant recognition of India's expertise in the field of engineering and geomechanics. With decades of experience in large-scale energy storage projects, he brings deep technical knowledge and leadership to the commission. This appointment underscores the growing importance of Indian professionals in global engineering leadership and highlights the country's expanding role in cutting-edge scientific and industrial domains.

Dr. Tanmoy Das (LF-4819)

Dr. Tanmoy Das, Scholar of IIT Bombay has secured the First position in Best PhD Thesis titled "Analysis of Landslide Triggering Mechanisms under Rainfall and Earthquake Conditions Considering Parametric Uncertainties" ranking for F.Y. 2025-26. Dr. Tanmoy is currently working as a Postdoctoral Fellow at UTS, Sydney, Australia.

Prof. C.N.V. Satyanarayana Reddy (LF-0411)

Prof. C.N.V. Satyanarayana Reddy, Head, Department of Civil Engineering, Andhra University College of Engineering, Visakhapatnam & Chairman, IGS Visakhapatnam Chapter has received Best Researcher Award for the year 2023 from Andhra University during 91st and 92nd Combined Convocation held on March 25, 2026, for his commendable record of research. The Award was presented by Sri S. Abdul Nazeer, Hon'ble Governor of Andhra Pradesh and Chancellor of Andhra University.

CALL FOR ENTRIES

IGS-PROF. G.A. LEONARDS' BEST PH.D THESIS PRIZE

IGS-Prof. G.A. Leonards' prize for the best Ph.D Thesis in Geotechnical Engineering is open to all Indian Universities/ Institutions. Nominations for the prize to be awarded during IGC-2026 at Chennai are invited. Ph.D. thesis awarded by the Universities/ Institutions during the year 2025 alongwith a certificate from the University/Institution regarding the award may be sent to the IGS Secretariat latest by **July 31, 2026**.

IGS-BEST DOCTORAL THESIS AWARD FROM NON-PREMIER INSTITUTIONS SPONSORED BY PROF. M.R. MADHAV

IGS-Best Doctoral Thesis Award from Non-Premier Institutions sponsored by Prof. M.R. Madhav for the best thesis in Geotechnical Engineering is open to all Indian Universities/ Institutions (non-premier). Nominations for the prize to be awarded during IGC-2026 at Chennai are invited. Ph.D. thesis awarded by the Universities/Institutions (non-premier) during the year 2025 alongwith a certificate from the University/Institution (non-premier) regarding the award may be sent to the IGS Secretariat latest by **July 31, 2026**.

CALL FOR NOMINATION

Best Teacher of Geotechnical Engineering Award 2026

Best Teacher of Geotechnical Engineering Award sponsored by Prof. Dr. B.J. Kasmalkar is presented annually. The award carries a cash prize of Rs. 25,000, a plaque and certificate. The award will be presented at the IGS Annual General Session at Chennai in December 2026. Nominations for the Award are invited from an IGS Member of Indian Nationality who have made outstanding contribution in Geotechnical Engineering. Nominations for the Award should be on the prescribed form available on IGS Portal. The following are the eligibility criteria for the Award:

- The candidate should have minimum 15 years teaching experience in India at B.Tech/M.Tech level (or equivalent) in IIT's, IISc, NIT, recognized universities, deemed universities, government and private engineering colleges affiliated to universities and AICTE approved or accredited.
- Those teaching at Diploma level shall not be eligible.
- The candidate should not be more than 60 years of age on 31st December during the year of application.
- The candidate should have an M. Tech or Ph.D degree in Civil Engineering (or equivalent).
- The candidate should be an Indian national.
- Candidate should be a member of IGS (national body) for a minimum period of ten years.

The completed Nomination Form should reach at IGS Secretariat on or before **July 31, 2026**.

IGS Kueckelmann Biennial Award 2024-2025

IGS Kueckelmann Award is presented once in two years to honour an eminent geotechnical engineer for the outstanding cumulative contribution made to geotechnical engineering in India. All IGS Members with Indian Nationality are eligible for this award. The award comprises of a cash prize of Rs.30,000/-, Rs.5000/- to cover travel expenses and a plaque. The award for the period 2024-2025 will be presented at the IGS Annual General Session at Chennai in December 2026. Nominations for the award are invited on the prescribed form available on IGS Portal. The completed nomination form in quadruplicate should reach IGS Secretariat not later than **31st July, 2026**.

IGS-Prof. Dinesh Mohan Award 2024-2025

The award is presented once in two years to an eminent geotechnical engineer for best Innovative Geotechnical Practice in India. All IGS Members with Indian Nationality are eligible for the award. The award carries a cash prize of Rs.5000/- and a plaque. Nominations for the award for above years are invited. Nominations for the award should be on the prescribed form available on IGS Portal. The completed nomination form in quadruplicate should reach IGS Secretariat not later than **31st July, 2026**.

Best Woman Researcher Award 2026

Best Woman Researcher Award in Geotechnical Engineering sponsored by Prof. R.N. Shahi in the memory of his late wife, Smt. Prabhawati Shahi. The award carries a cash prize of Rs.30,000/-, a plaque and Certificate. The award will be presented at the IGS Annual General Session at Chennai in December 2026. IGS calls for the Nomination of this Award from a lady IGS Members of Indian Nationality who have made outstanding contribution to Geotechnical Engineering. All interested eligible IGS members of Indian Nationality are requested to submit their nomination outlining their research contribution to Geotechnical Engineering on or before **July 31, 2026** at the IGS Secretariat.

IGS ELECTION-2026 SCHEDULE

Sr. No.	Item	Date, Time
1	Notification of Election, Call for Nominations and Nomination form: on IGS Website	Monday 10 August 2026
2	Last date for Receipt of Nomination Papers along with candidate's Bio-data at e-mail: admin@igs.org.in through candidate's e-mail ID. (Candidates must provide E-mail ID and Mobile number in Nomination Form)	Monday 07 September 2026 4.00 pm
3	Scrutiny of Nominations	Wednesday 09 September, 2026
4	Intimation to the Candidates of accepted nominations by e-mail	Thursday 10 September, 2026
5	Withdrawal of Candidature: by e-mail at admin@igs.org.in (IGS Secretariat will verify by phone call to the candidate the authenticity of the withdrawal)	Thursday 17 September, 2026 4.00 pm
6	Uploading Bio-data of Contesting Candidates on IGS Website	Thursday 24 September, 2026
7	Uploading Ballot Papers on IGS Web site	Thursday 24 September, 2026
8	Electronic voting starts	Monday 28 September, 2026 | 11.00 am
9	Electronic voting ends	Tuesday 13 October, 2026 | 4.00 pm
10	Counting of votes	Wednesday 14 October, 2026 | 12.30 pm
11	Announcement of Results	14 October, 2026 on IGS Website 15 October 2026 by e-mail Oct-Dec 2026 issue of IGS News

JOB OPPORTUNITY

1. NAME of the Position: Geophysicist – Specialty Testing

Number of Vacancies: 1
Location: Bangalore

Experience Required: Fresher to 1 Year of experience in field geophysical investigations, data acquisition, and geophysical testing techniques such as MASW, SRT, Crosshole, or Downhole Testing. Candidates with hands-on exposure to geophysical instruments, field/site work, and basic knowledge of geotechnical investigations will be preferred.

Contact: sakshi@sarathygeotech.com

2. NAME of the Position: Senior Geotechnical Driller

Number of Vacancies: 3
Location: Bengaluru & Project Sites

Experience Required: Minimum 5+ Years of experience in geotechnical drilling with strong hands-on expertise in deep borehole drilling (100m+), rotary core drilling, diamond core drilling, and rock coring. Candidates with experience operating advanced drilling rigs, handling soil and rock core samples, maintaining drilling logs, and independently managing site operations under challenging field conditions will be preferred.

Contact: sakshi@sarathygeotech.com

3. NAME of the Position: Site Engineer – Specialty Testing

Number of Vacancies: 1
Location: Bangalore

Experience Required: Fresher or 1 Year of experience in site-based civil engineering or specialty testing activities. Candidates with interest in field/site work, travelling, electrical resistivity surveys, SPT energy measurement testing, and basic knowledge of civil engineering concepts will be preferred.

Familiarity with survey instruments such as Total Station and basic computer proficiency in MS Word, Excel, and PowerPoint will be an added advantage.

Contact: sakshi@sarathygeotech.com

4. NAME of the Position: Technical Sales Engineer – Geotechnical Solutions

Number of Vacancies: 1
Location: Bangalore / India (Travel Required)

Experience Required: 3–7 Years of experience in technical sales within the geotechnical or civil engineering domain. Candidates with hands-on experience in soil investigation, foundation engineering, tendering, BOQ analysis, techno-commercial discussions, and geotechnical testing services such as SPT, CPT/CPTu, MASW, SRT, and pile load testing will be preferred. Strong client management, proposal preparation, and business development skills are essential.

Contact: sakshi@sarathygeotech.com

5. NAME of the Position: Digital Marketing Executive

Number of Vacancies: 1
Location: Bangalore

Experience Required: 2–3 Years of experience in digital marketing, graphic design, social media management, and content creation. Candidates with hands-on experience in design tools such as Adobe Creative Suite, Canva, AI-based content creation tools, and knowledge of digital marketing strategies will be preferred. Exposure to the Civil, Engineering, or Infrastructure industry will be an added advantage.

Contact: sakshi@sarathygeotech.com

Interested IGS Members may apply/contact on the email id mentioned above.

Young Geotechnical Engineer (YGE) Best Paper Awards-2026

INVITATION FOR SUBMISSION OF PAPERS

To motivate and encourage Young Geotechnical Engineers to get involved and participate in Geotechnical research and field work, biennial Best Paper Awards especially for YGE have been instituted for best papers in various areas of Geotechnical Engineering. All interested YGE are requested to participate and submit their papers **on or before 31st July, 2026**. The following eight (8) even-year Awards will be given during IGC-2026 at Chennai.

1. IGS-Kochi Chapter YGE Award for Best Paper on Deep Foundations.
2. IGS-FERROCO YGE Award for Best Paper on Dam Engineering and Allied Areas.
3. IGS-Ahmedabad Chapter YGE Award for Best Paper published during immediate past Indian YGE Conference.
4. IGS-Baroda Chapter YGE Award for Best Paper on Ground Improvement.
5. IGS-Delhi Chapter YGE Award for Best Paper on Computational Geomechanics.
6. IGS-Dr. M.D. Desai Memorial YGE Award for Best Paper on Geosynthetics and Natural Fibres.
7. IGS-Guwahati Chapter YGE Award for Best Paper on Soil Dynamics and Earthquake Engineering.
8. IGS-HEICO YGE Award for Best Paper on Slope Stability and Landslides.

RULES AND SUBMISSION PROCEDURE

1. The Awards will be awarded to YGEs during IGS Annual General Session conducted at the time of Indian Geotechnical Conference-2026 (IGC-2026).
2. The Award carries a Memento and Certificate. In case of more than one YGE author, the Award shall be given to YGE listed first on the paper.
3. For the purpose of the Awards, YGE is defined as an Engineer of Indian origin who is of the age of thirty-five (35) years or less as on 1st January, 2025.
4. The paper may have more than one author and author/s above the age as defined for YGE, however, at least one of the authors shall be YGE.
5. Papers published in following Proceedings/Journals shall be eligible for the Awards.
   (i) Proceedings of immediate past IGS IYGE Conference (IYGEC-2025 at Indore)
   (ii) Indian Geotechnical Journal (IGJ) of the last two years (2024 & 2025).
   (iii) Proceedings of the last two IGCs (IGC 2024 & 2025).
   (iv) Proceedings of ISSMGE sponsored Conferences such as ICSMGE, ARCs, iYGEC and Seminar/Workshop/ Symposium organized by ISSMGE-TCs during last four years (2022, 2023, 2024 & 2025).
   (v) Proceedings of National Conference/Seminar/Workshop conducted in India by any institute/organizations in last two years (2024 & 2025)
   (vi) Any paper identified by IGS Secretariat by suitable means published in last two years (2024 & 2025).
6. Nominations (submission of papers on behalf of author/s) from the following are also invited.
   (i) IGS Executive Committee members
   (ii) Chairmen/Secretaries of IGS Local Chapters.
   (iii) Heads of Civil Engineering Departments of IITs, IISc and any technical institute in India.
7. While submitting the papers, the **Date of Birth** and proof thereof of YGE author/s of the paper must be provided. The author/s shall provide all related information including the source and date of publication. **It shall also mention the name of the Award for which the paper is submitted.** The contact details such as full address, mobile number, email ID etc. shall also be provided.
8. The author can submit more than one paper for an Award. Also the same paper can be submitted for more than one Award if content of the paper is related to the areas of more than one Award. However, only one Award shall be given to the same paper and/or the same author for the given year.
9. **Last date for submission/ nomination of papers is 31st July, 2026.**

Format for Submission of Paper for YGE Best Paper Award

Name of YGE author : .....

Date of Birth (dd/mm/yyyy) : ..... Age as on 01-01-2025 .....

Proof of age (copy of Driving license/ School leaving cert./ Adhaar card/ PAN card etc.:.....

Mobile No. : ..... E-mail:.....

Postal Address:.....

Name of Award for which paper is submitted: .....

Title of Paper:.....

Source and Date of publication: .....

.....

Date and Signature of author/person submitting the paper

AWARDS FOR PROFESSIONAL PRACTICE

CALL FOR NOMINATIONS

Indian Geotechnical Society calls for nomination of below mentioned new Professional Practice Awards to an IGS Members with Indian Nationality for outstanding contribution to Geotechnical Engineering in India.

The IGS has recently instituted the following four awards:

- IGS-Award for Outstanding contribution to Geotechnical Engineering Practice (Biennial)
- IGS-Leadership Award for contribution in Geotechnical Engineering Practice (Biennial)
- IGS-Gold Medal for the Best Geotechnical Engineering Practices on a project (Biennial)
- IGS-Young Professional Award for Geotechnical Engineering Practice (Biennial)

1. IGS-Award for Outstanding contribution to Geotechnical Engineering Practice sponsored by M/s. Geo Dynamics, Vadodara

Screening Criteria

- The nominee shall be an IGS member for a minimum period of 10 Years before nomination.
- The minimum age shall be 55 years as of 31 August and not more 75 years as on 31 August of the calendar year
- Nominated by EC members or Local Chapters (Nomination Performa to be prepared) – or Self Nomination (with a recommendation from two IGS Fellows).
- The selection committee shall be 5 people, President, two Academicians (one EC member and one non-EC member) and two industry personnel (one EC member and one Non-EC member)
- The previous awardee is not eligible to apply again.

Selection Criteria

- Should have carried out exemplary work, advanced the profession, exhibited technical competence, introduced and adopted newer technologies and contributed significantly to geotechnical engineering industry in India.
- The nominee shall attach details of at least five projects on which he/she has contributed to the advancement of the state of geotechnical practice.
- At least 25 years of experience in the industry and should have at least ten years of experience in India.
- The nominee shall attach at least three testimonials from outside their organisation.
- Previous awards/honours shall be an added value.
- Published articles, contribution to a book, seminars, webinars will be added value

Award

- The award will carry a cash amount of Rs. 35,000/-, a certificate, a citation (format to be prepared) and memento.
- The awardee shall be invited to deliver a special lecture during IGC.
- The awardee's work will be published in the IGS Newsletter
- If suitable nominations are not received, the award shall be deferred for that year.

2. IGS-Leadership Award for contribution in Geotechnical Engineering Practice sponsored by IGS Surat Chapter in memory of Dr. M.D. Desai

Screening Criteria

- The nominee shall be an IGS member for a minimum period of 5 Years before nomination
- The minimum age shall be 35 years and not more than 55 years as of 31 August of the calendar year
- The nominee should have carried out exemplary work and contributed significantly to geotechnical engineering industry in India.
- Nominated by EC members or Local Chapters or Self Nomination (with a recommendation from two IGS Fellows)
- The previous awardee is not eligible to apply again.

Selection Criteria

- Should have demonstrated technical competence, introduced and adopted newer technologies and leadership qualities, implement good practices/innovation. The nominee shall have contributed significantly to the geotechnical engineering industry in India.
- Service as a role model or mentor that shows dedication to the advancement of the geotechnical field.
- The nominee shall attach details of at least three projects on which he/she has contributed to the advancement of the state of geotechnical practice.
- Should have at least ten years of experience in the industry, of which at least 07 years should be in India.
- The nominee shall attach at least two testimonials from outside their organisation.
- Previous awards/honors shall be an added value.
- Published articles, contribution to a book, seminars, webinars will be an added value

Award

- The award will carry a cash amount of Rs. 25,000/-, a certificate and memento.

- The awardee shall be invited to deliver a special lecture during IGC.
- The awardee's work will be published in the IGS Newsletter
- If suitable nominations are not received, the award shall be deferred for that year

3. IGS-Gold Medal for the best geotechnical engineering practices on a project sponsored by IGS Surat Chapter in memory of Dr. M.D. Desai

Screening Criteria

- The award is for professional companies / organizations working in India. Individuals shall not be considered.
- The nominee (Company/organisation) shall be an IGS associate member for a minimum period of 3 Years before nomination.
- Nominated by EC members or Local Chapters –or Self Nomination (with a recommendation from two IGS Fellows)
- Academic institutions, universities / colleges, research organizations are not eligible for the award

Selection Criteria

- The nominee (Company/Organisation) should have carried out exemplary work and contributed significantly to the geotechnical engineering industry in India.
- Noteworthy, proven technical achievement on one geotechnical project or program that represents a break-through or milestone or innovation in the geotechnical field.
- Demonstrate creativity, solving a complex problem, sustainability consideration and project planning and implementation
- The achievements or contribution should have been made during the 24 months preceding the nomination period.
- The nominee shall attach details of the projects on which the organisation has contributed to geotechnical solutions.
- The nominee shall be at least five years in the Indian industry.
- The nominee shall attach at least two testimonials from outside their organisation about the project.
- The previous awardee is not eligible to apply again with the same project

Award

- The award will carry a Medal, a certificate and memento.
- The awarded project will be published in the IGS Newsletter
- If suitable nominations are not received, the award shall be deferred for that year

4. IGS-Young Professional award for Geotechnical engineering practice sponsored by M/s. Cengrs Geotechnical Pvt. Ltd., Noida

Screening criteria

- Should be a member of IGS at least for two years.
- Professionals below the age of 35 years as on 31 August of the calendar year, who have done work in the field and demonstrated potential to solve field engineering problems shall apply.
- Nominated by EC members or Local Chapters (Nomination Performa to be prepared) –or Self Nomination (with a recommendation from two IGS-Fellows)

Selection Criteria

- The person must have done exemplary work.
- The nominee should have professional experience of at least five years (with a minimum of two years in India).
- Noteworthy, proven, a technical achievement on at least one geotechnical project or program in the geotechnical field. A note on the project summary shall be attached along with the nomination.
- The nominee shall attach at least one testimonial from an expert within his/her organization or outside

Award

- The award will carry a cash amount of Rs 15,000/-, a certificate, and a memento.
- The awardee's work will be published in the IGS Newsletter
- If suitable nominations are not received, the award shall be deferred for that year

Nominations for the IGS New Professional Practice Awards are invited on the prescribed form available on the IGS portal. The completed nomination form should reach IGS Secretariat not later than 31st July, 2026.

IMPORTANT NEWS

- ✓ **Indian Geotechnical Journal is being published in 12 issues from 2026.**
- ✓ **Cover page of the Indian Geotechnical Journal has changed.**

Engineering Infrastructure

For a Sustainable, Resilient and Safer India

With more than 25 years of presence in India, Maccaferri has been at the forefront of delivering innovative engineering excellence, geohazard mitigation, climate adaptation, and sustainable solutions that shape resilient infrastructure for future generations. We partner with engineers, consultants, governments, and contractors to solve complex infrastructure challenges.

Our Key Solutions

- Retaining Walls & Soil Reinforcement
- Rockfall Protection & Snow Barriers
- Hydraulic Works
- Soil Stabilisation & Pavements
- Erosion Control
- Basal Reinforcement

maccaferri.com/in

MACCAFERRI

INDIAN GEOTECHNICAL JOURNAL

Volume 56, Issue 1, January 2026

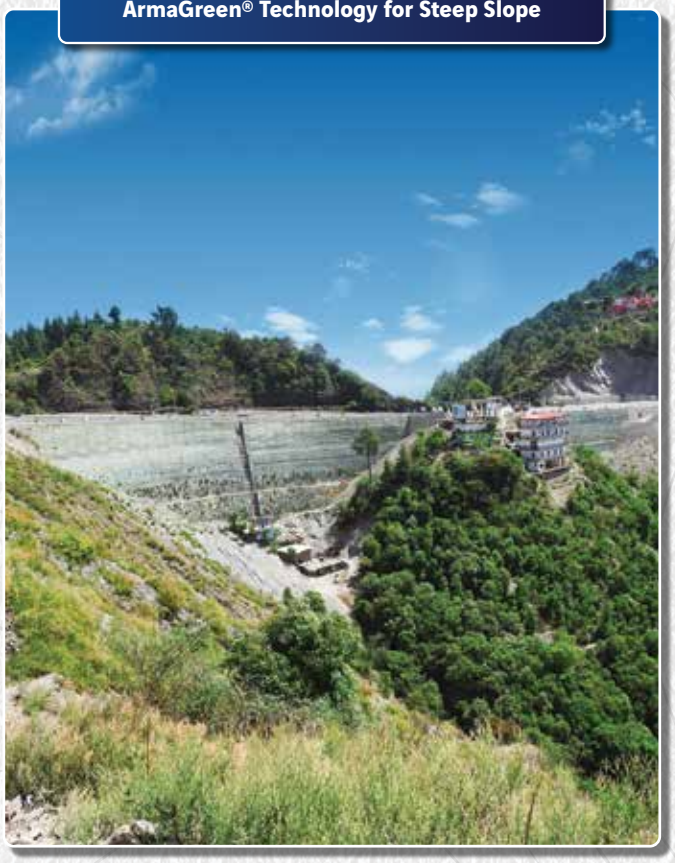
CONTENTS

Sustainable infrastructure with Geoquest's integrated innovative engineering solutions.

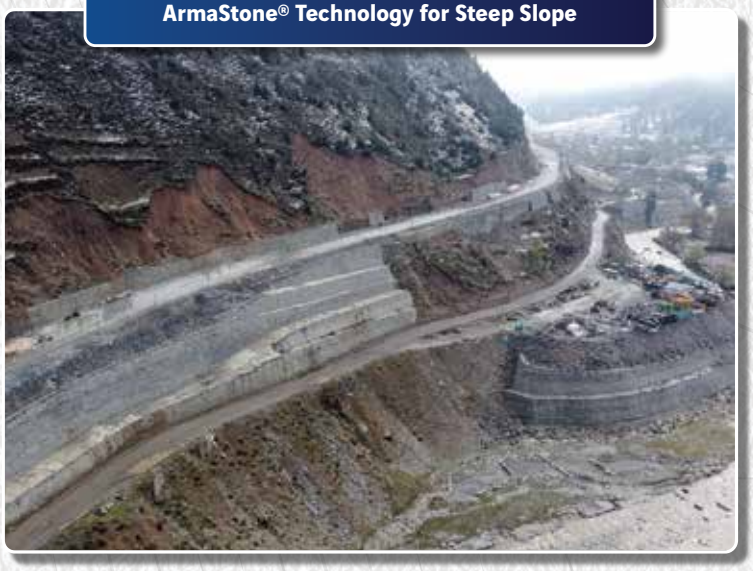
GEOQUEST

We provide challenging and complex engineering solutions in the fields of hydraulic protection, geohazard risk mitigation, ground stabilization, precast crossing structures, soil reinforcement and retaining structures.

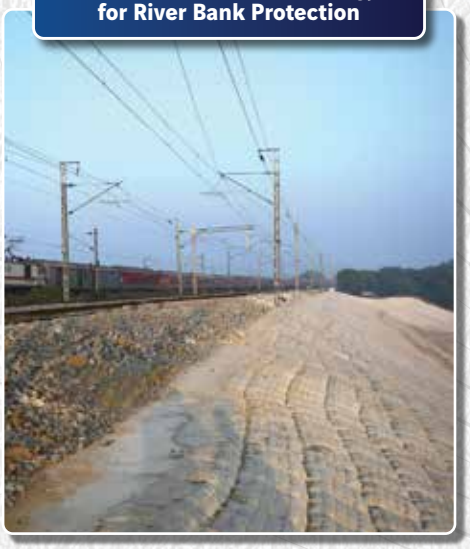
ArmaGreen® Technology for Steep Slope



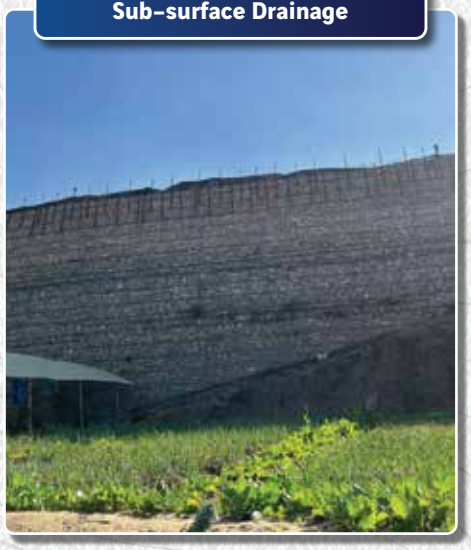
ArmaStone® Technology for Steep Slope



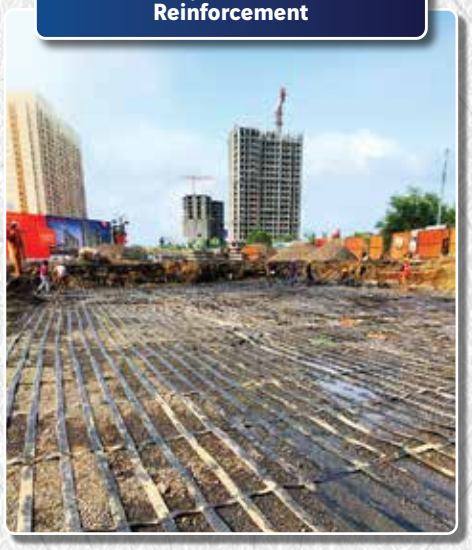
TechRevetment® Technology for River Bank Protection



Draintube™ for Sub-surface Drainage



ArmaLynk® for Basal Reinforcement



TERRE ARMEE *is now* GEOQUEST *New name, Proven expertise, Diverse solutions.*

Geoquest India Pvt. Ltd. (Formerly known as Reinforced Earth India Pvt. Ltd.) **E:** info@geoquest-group.co.in I **W:** www.geoquest-group.co.in

11 IYGEC, 2027

11TH INDIAN YOUNG GEOTECHNICAL ENGINEERS CONFERENCE

26th - 27th March 2027

Organised by:

INDIAN GEOTECHNICAL SOCIETY, KOLKATA CHAPTER

in Association with:

IIT KHARAGPUR, JADAVPUR UNIVERSITY, IIEST SHIBPUR, NIT DURGAPUR, ALIAH UNIVERSITY

Venue:

Science City Auditorium, Kolkata

Invitation

Kolkata Chapter of Indian Geotechnical Society in association with IIT Kharagpur, Jadavpur University, IIEST Shibpur, NIT Durgapur, Aliah University, extends a hearty invitation to Young Geotechnical Engineers under the age of 35 years nationwide. We cordially invite you to participate in the 11th Indian Young Geotechnical Engineers Conference (11th IYGEC 2027), scheduled to take place at the Science City Auditorium, Kolkata from March 26-27, 2027. It is envisioned as a platform of ideas, energy, and transformation - bringing together students, young professionals, academicians and industry leaders from across the country. We eagerly anticipate your valuable presence and contribution to this enriching event.

Conference Themes

Geosphere 2027: From Ground Reality to Intelligent Systems

Conference Sub-Themes

- Foundation Engineering
- Ground Improvement & Soil Stabilisation
- Rock Mechanics, Rock Engineering & Tunnelling
- Slope Stability, Landslides & Earth Retaining Structures
- Soil Dynamics & Geotechnical Earthquake Engineering
- Transportation Geotechnics
- Environmental & Offshore Geotechnics
- Site Investigation, Monitoring & Instrumentation
- Physical & Numerical Modelling in Geotechnics
- Digital Geotechnics: AI, ML, GIS & Remote Sensing
- Case Studies & Forensic Geotechnical Engineering
- Emerging Trends & Unsaturated Soil Mechanics

Call for Papers

Prospective authors are requested to send abstracts on the above-mentioned themes of about 300 words through the link (Paper submission portal and link will be available soon). The upper age limit of the primary author/presenter shall be 35 years as on 31st March 2027.

Who should attend?

Students, Research Scholars, Academicians, Practising Engineers, Consultants, Professionals, and Govt. officials.

Important Dates

Abstract Submission Opens	1st July 2026
Abstract Submission Deadline	31st July 2026
Notification of Abstract Acceptance	1st September 2026
Full-length Paper Submission Deadline	15th October 2026
Notification of Paper Acceptance	30th November 2026
Final Registration Deadline for the Authors/Presenters	28th February 2027
Pre-Conference Workshop	25th March 2027
Conference Dates	26th–27th March 2027

Pre-Conference Workshop:

25th March 2027

Pre-Conference Workshop Theme

Numerical modelling in Geotechnical Engineering and Project specific case studies on Geotechnical Challenges.

Pre-Conference Workshop Venue:

Jadavpur University, Kolkata

Contact Details:

Chairman : +91 983 6717 118 (Call & Whatsapp)
Convenor : +91 807 6870 108 (Call & Whatsapp)
E-mail: 11iygec2027@gmail.com
Website: https://igsk.in

NEXTGEN INNOVATIVE SOLUTIONS PVT LTD

Formally Innovative Solutions™

GEOTECHNICAL STRENGTH. INFRASTRUCTURE EXCELLENCE.

Active member of Nation Building

Pan-India Execution | Engineering Excellence | Turnkey Geotechnical Solutions

Complete Geotechnical Expertise

- **Design & Consultancy:**
  Geotechnical Investigation, DPR Preparation, PMC, PMU
- **Ground Improvement:**
  PVD, Micro Piling, TAM Grouting, Stone/Sand Columns, Geocells, Geogrid, High pressure grouting
- **Slope & Tunnel Protection:**
  Rockfall Barriers, HEA Panels, SDA, SN Bolts, CTA Anchors, FRP Anchors Shotcreting (Manual & Robotic), Drainage Systems
  Portal & Shaft Stabilization (NATM & TBM)
- **Anchoring Systems:**
  DCP Cable/Bar Anchors, Marine Tie Rods, Geo Technical Bars, Anchor Accessories
- **Soil & Erosion Control:**
  Hydroseeding, Jute/Coir Mats, Geocells, 3D Geo Mesh, Geotextiles
- **Geosynthetics & River Training Works:**
  Gabions, Geotubes, Geobags, Mattress Systems, GCCM , Pond Lining, OB Dump Yard Stabilization
- **Specialty Solutions – DE NEEF® (NATM/TBM):**
  Soil Injection, Leak Sealing
- **RE Wall/RS Wall Systems (Concrete/Flexible)**

ngispl.com

Applications:

Highway, Metro, Railway, Hydro & Mining Infrastructure Complex Hill & River Zone Engineering Projects

Member of the Indian Geotechnical Society (IGS), Indian Road Congress (IRC) & Deep Foundation Institute (DFI)

+91 9953606123
+91 3348225744

info@ngispl.com
sales@ngispl.com

x.com/NextgenInnov
linkedin.com/company/96421022
instagram.com/nextgeninnovativesolutions/
youtube.com/@NextgenInnovativeSolutions

ANNUAL CONFERENCE OF THE INDIAN GEOTECHNICAL SOCIETY

INDIAN GEOTECHNICAL CONFERENCE -2026

IGC 2026: GEOCHENNAI

"GEOTECHNICAL CHALLENGES IN ENGINEERING ASSOCIATED WITH INFRASTRUCTURE"

Organised by

IGS CHENNAI CHAPTER IN ASSOCIATION WITH INDIAN INSTITUTE OF TECHNOLOGY MADRAS AND COLLEGE OF ENGINEERING GUINDY (CEG), ANNA UNIVERSITY, CHENNAI

December 17-19, 2026; RESEARCH PARK, IIT Madras, Chennai

ABSTRACT SUBMISSION CLOSED

INVITATION

Indian Geotechnical Society (IGS) Chennai Chapter in association with IIT Madras and CEG Anna University, extend a warm invitation to the IGC 2026 to be held at IITM research park, IIT Madras, Chennai.

CONFERENCE THEME

Geotechnical Challenges in Engineering Associated with Infrastructure, GEOCHENNAI.

SUB-THEMES

- Geotechnical Investigation, Laboratory and Field Testing
- Foundations Engineering and Earth-retaining structures
- Geosynthetics and Reinforced Soil Structures
- Ground Improvement
- AI-ML Applications in Geotechnical Engineering
- Case Studies in Geotechnical Engineering
- Case Studies in Geotechnical Engineering
- Slope Stability and landslides.
- Uncertainties, risk and reliability in geotechnical engineering
- Soil dynamics and Earthquake Engineering
- Offshore Geotechnical engineering
- Computational Geomechanics and Numerical modelling
- Rock mechanics, tunnelling and underground structures
- Transportation Geotechnics
- Geo-environmental engineering and unsaturated soil

Important Dates	
Last Date for abstract Submission	15.03.2026
Intimation of abstract acceptance	15.05.2026
Last Date for full paper submission	15.07.2026
Intimation of Paper acceptance	15.09.2026
Submission of Camera-ready Paper	30.09.2026
Last date for registration of accepted papers	15.10.2026

Visit the website www.igc2026.orgto register and abstract submission. Selected papers will be published in scopus indexed Springer proceedings.

Sponsorship*			
Sponsorship Category	**Fee (INR Lakhs)**	**Number of Free Delegates**	**Exhibition Space**
Title Sponsor	25.0	12	6m x 2m
Platinum	15.0	8	4m x 2m
Diamond	10.0	6	3m x 2m
Gold	5.0	4	2m x 2m
Silver	2.0	3	--
Bronze	1.2	2	--
Supporters	0.6	1	--

Registration Charges		
Delegation Category	**Upto 31st Oct.2026 INR**	**After 31st Oct. 2026 INR**
IGS Member	9000	10000
Non-IGS member	10000	11000
Senior Citizens	4500	4500
Spouse	4000	4000
Students / Research Scholars	4000	4500

***For more details on Sponsorship and Exhibition stalls, visit the website or contact**

Secretariat

R. G. Robinson/V.B. Maji
Geotechnical Engineering Division
Department of Civil Engineering,
Indian Institute of Technology Madras, Chennai-600036.
Website: www.igc2026.org, Email: igcgeochennai@gmail.com
Ph: 044 2257 4294 / Mobile: 9445422073

CENGRS

Smart Geotechnics For Better Foundations

High Performance
Geotechnical Drilling

Even if Ground Conditions Change, Performance Must Not

Cengrs delivers comprehensive geotechnical drilling solutions across all ground conditions backed by a fully automatic, crawler-mounted, hydraulic drilling rig (PRD Make).

Our advanced drilling systems ensure consistent SPT N-values, high-quality undisturbed samples and reliable borehole data—supporting precision-driven engineering decisions.

System Highlights

- **Powerful drilling capability** for soil, weathered rock and hard rock formations
- **Engineered for deep borehole investigations** with wireline drilling capability
- **Consistent output** in heterogeneous and mixed strata conditions
- **Faster Drilling :**
  - 25–30 m/shift in soft ground
  - 15–20 m/shift in hard rock
- **Proven performance across** Industrial, Energy, and Infrastructure sectors

Engineering Data, Not Just Drilling

We deliver accurate, reliable and decision-ready subsurface data through advanced equipment and experienced teams

Our Equipment Fleet

4 Nos.	30+ Nos.	18+ Nos.	6 Nos.	1 Nos.
PRD GD4 High-Performance Drilling Rigs	Mechanized shell and Auger Rigs	Hydraulic Rotary Rigs	CPT Rigs (20-Ton Capacity)	Crawler-Mounted CPT Rig (20-Ton Capacity)

Precision You Can Rely On

Reliable Data. Proven Expertise. Consistent Execution.

ONE SYSTEM. MULTIPLE SITES. CONSISTENT PERFORMANCE.

Scan to Connect with Us

Cengrs Geotechnica Pvt. Ltd.

A-100, Sec-63, Noida-201309 (U.P.) India.

+91 92892 36618

contact@cengrs.com

www.cengrs.com

12th INTERNATIONAL SYMPOSIUM
FIELD MONITORING IN GEOMECHANICS

12TH INTERNATIONAL SYMPOSIUM ON FIELD MONITORING IN GEOMECHANICS (ISFMG 2026)

Venue

Indian Institute of Technology, Indore,
Madhya Pradesh, India

Supported by

INDIAN GEOTECHNICAL SOCIETY

Invitation

It is with great pleasure that we extend a warm invitation to the 12th International Symposium on Field Monitoring in Geomechanics **(ISFMG 2026)** that will take place in **Indore**, from **August 6th to 10th, 2026**.

Symposium Theme

The main theme of the symposium is "Advances in Field Monitoring for Geomechanics".

Symposium Sub-Themes

- Tunnels and Underground Spaces
- Bridges and Transport Infrastructure
- Dams and Embankments
- Slopes and Earthworks
- Buildings and Foundations
- Mining and Landfill
- Environmental Monitoring
- The Observational Methods
- Specifications and Standards
- Excavation and Retaining Structure
- Inverse Modelling
- Advanced Design Technology

Key Dates

Open for submission of abstracts	20 Feb 2025
Deadline for abstracts submission	15 Sep 2025
Notification of abstracts acceptance	07 July 2025
Submission of full manuscripts	01 Aug 2025
Deadline for final paper submission	31 Dec 2026
Notification of paper acceptance	01 Jan 2026

Registration Fees

Registration Type	By 24.11.2025	After 24.11.2025	Onsite 24.02.2026
	$	$	$
Standard Registration	600	700	900
Student Registration	300	350	500
SAARC Country Delegates	500	600	800
SAARC Country Students	250	300	400
Registration fee for IGS members		₹ 15000	

2nd Dunnicliff Honor Lecture

Dr. (-Ing) Giorgio Pezzetti

Keynote Speakers

Per Sparrevik
(Expert advisor, Field testing and Offshore Instrument at NGI)

Prof. Ikuo Towhata
(Professor, Department of Civil Engineering, University of Tokyo)

Prof. Jamie Standing
(Professor, Imperial College London)

Arushi Bhalla
(Managing Director: Encardio Rite Group)

Prof. Paolo Mazzanti
(Professor of Engineering Geology and Remote Sensing, Sapienza University of Rome)

Prof. Hong-Hu Zhu
(Dean, Institute of Earth Exploration and Sensing, School of Earth Sciences and Engineering, Nanjing University)

Address for Correspondence

Prof. Neelima Satyam, Symposium Convener
Department of Civil Engineering, Indian Institute of Technology Indore
+91-9440488034 (Mobile)
convener@isfmg2026.com | neelima.satyam@iiti.ac.in | neelima.satyam@gmail.com | Visit us : www.isfmg2026.com

WORLD-CLASS GEOHAZARD MITIGATION SOLUTIONS BY TECHFAB INDIA

TECHFAB INDIA
At the Heart of GeoHazard Mitigation Activity

www.techfabindia.com

TechFab India: Leading the way in GeoHazard Mitigation with innovative, ETA-approved products designed to reduce risks from rockfalls, landslides and debris flows through advanced technology and extensive research and development.

Our Products

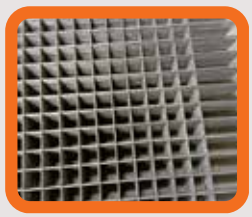
TECHRHOMBUS SWK

TECHRHOMBUS HRC

TECHSLOPE MESH

TECHANCHOR

TECHFAB METAL GABION



TECH WELD MESH

TechFab India Industries Ltd.
46/47, Maker Chambers VI,
Nariman Point, Mumbai - 400021
info@techfabindia.com
+91 - 22 - 4186 0100 / 2287 6224

www.techfabindia.com

Welcome to New Members

The Executive Committee of IGS extends hearty welcome to the following members who have been admitted to the Society recently/ elevated to Fellowship.

LIFE FELLOWS

AVIK KUMAR MANDAL	LF-0686
VIJAYAKUMAR K.	LF-0687

LIFE MEMBERS

MANAS RATHORE	LM-6138
ROSHAN R.S.V.	LM-6139
OMPRAKASH NARAYAN SHIROLE	LM-6140
BHARAT KATKAR	LM-6141
ADITYA KUMAR DAS	LM-6142
VIPENDRA SINGH JHINKWAN	LM-6143
J. DHANYA	LM-6144
KALIPRASANNA SETHY	LM-6145
SHASHANK SINGH	LM-6146
NABANITA DAIMARY	LM-6147
RAVI SHANKAR S.	LM-6148
GOURI AJAY MHETAR	LM-6149
SHIBA PRASAD DEBBARMA	LM-6150
SHUBHA M.	LM-6151
VIJILA K.	LM-6152
AMIT JAIN	LM-6153
VISHAL A. KRISHNA	LM-6154
ALEENA LUKOSE	LM-6155
DEEPA ELIZEBETH RAJAN	LM-6156
GLORIA ANTO	LM-6157
NEETHI JOB	LM-6158
ABDUL SALAM A.A.	LM-6159
ABHIJITH T.S.	LM-6160
FASNA JASMINE K.N.	LM-6161
ANJU KURIAKOSE	LM-6162
AARCHA S.	LM-6163
GEETHU JOSE THAZHATHA	LM-6164
AKSHAYA K.P.	LM-6165
KIRAN MIRIAM JOE	LM-6166
TEJUS NELSON	LM-6167
JINU JACOB	LM-6168
SRI DEVI PAIDI	LM-6169
JEYA SONIA J.	LM-6170
MEGHNA V. S.	LM-6171
RAMESAN KOYILOTAN	LM-6172
DEBJIT MITRA ROY	LM-6173
NIMI ANN VINCENT	LM-6174
MANDIRA MAJUMDER	LM-6175
FEMY M. MAKKAR	LM-6176
DEBARGHYA BASAK	LM-6177
NASIR UL ISLAM	LM-6178
ABHINAV KUMAR	LM-6179
JITHA M.R.	LM-6180

STUDENT MEMBERS

HRISHITHA MOHAN	SM-0508
REKHA S.	SM-0509
VANDANA BRAR	SM-0510

Dear IGS Members,

You are invited to contribute small technical articles, informative case studies, research findings, experiences etc. you wish to share through the IGS-Newsletter.

Dr. A.P. Singh
Honorary Secretary, IGS

48th IGS ANNUAL LECTURE 2026

The prestigious

48th IGS Annual Lecture 2026

will be delivered by Prof. N.K. Samadhiya, Professor, Department of Civil Engineering, Indian Institute of Technology Roorkee, Roorkee, Uttarakhand.

The topic of his lecture is

"Rock Mass Characterization, Behaviour of Isotropic and Anisotropic Rocks under Triaxial and Polyaxial States of Stress."

HEICO

An ISO 9001 : 2015 Company

HYDRAULIC & ENGINEERING INSTRUMENTS

SERVO ROCK TRIAXIAL MACHINE WITH HIGH PRESSURE TRIAXIAL CELL (USABLE TO HIGH TEMPERATURE UPTO 150°C)

- Conforming to Testing Procedures laid down in IS/ASTM for concrete/rock specimens
- Stable, robust Loading Unit (Capacity up to 2000kN)
- CONFINING PRESSURE UNIT and DIGITAL HIGH-PRESSURE CONTROLLER, Pressure Range: 0 - 50 Mpa
- Rock cores ranging from 'Nx' size to 'Bx' size can be tested at varying confining pressures.
- Based on Servo Hydraulic Closed Loop Feedback mechanism
- Suitable to conduct High Pressure Triaxial Test (Normal and High Temperature (extendable upto 150°C), Unconfined, Indirect Tensile, Creep Tests and normal Compression Tests on Rock specimen for NX &Bx size samples
- Fully Automatic Computer Controlled operation with User friendly Software
- User Selectable Controlling on Load or Displacement basis
- High speed measurement and data acquisition through advance electronics system
- Online Plotting of Graphs (Load v/s Displacement, Load v/s Time, Displacement v/s Time) with display of data of all channels (Load, Axial & Lateral deformation etc.) simultaneously
- Calculation of various results (Young's modulus, Maximum strain, Compressive Strength, Poisson's Ratio, Mohr Circles and failure envelops etc.)
- Facility to study Post failure behaviour of Specimens

GEOSYNTHETIC PULLOUT TEST SYSTEM

- Related This equipment is suitable to determine pullout resistance/interface shear resistance of Geosynthetic material in soil.
- It is suitable for testing 610 mm x 460 mm x305 mm** sample containing soil and geosynthetic to evaluate soil to geosynthetic friction characteristics asper ASTM D6706.
- The unit provides variable rate of strain for shear/pullingload ranging from 0.0001mm/min.-9.9999 mm/min.
- Geosynthetic pull-out resistance testing system of capacity 50 kN with load frames, specimen placing setup, pull out box assemble with preparation and compaction device, levelling tools
- Normal load capacity up to 100 kN
- Pull out load capacity up to 50 kN
- Auto recognition & calibration of the load cells
- Load measurement and Displacement measurement accuracy:<0.5% of indicated value
- Computer with high-speed data acquisition and Statistical Analysis software for controlling the equipment and test (Programmable sample parameters, rate of loading data saving interval etc.) and live view and recording of stresses, strains and all other necessary readings, with data save facility.
- Facility to Load and Unload the specimen at specified rate with facility to hold the pulling loading and restart the loading during the test. On-line data acquisition and display of readings of pulling/shearing Load, Normal stress. Horizontal and Vertical Displacement. On-line display of Shear Load v/sHorizontal Displacement & Vertical Displacement v/s Horizontal Displacement graphs. Calculations of different parameters, facility to save the data after the test.
- Supplied with Tilting Arrangement

Corporate Office:
B-59/4, Naraina Industrial Area, Phase-2, New Delhi - 110028 (INDIA)
Phone: +91-11-41418424, 47553820, Mobile: +91-8826898490
Email: info@heicoin.com, www.heicoin.com

Manufacturing Unit:
Unit 1: Plot Number 1403, Sector 38, Phase 1, HSIIDC, Industrial Estate
Unit 2: Plot Number 1276, Sector 38, Phase 1, HSIIDC, Industrial Estate
Rai, Sonepat, Haryana - 131029

ASSURED AFTER SALE SERVICE ANYWHERE IN INDIA OR OVERSEAS

Condolence Message on the Passing of Prof. T. Ramamurthy

April 03, 2026

It is with profound sorrow that we mourn the passing of an eminent geotechnical engineer, **Prof. T. Ramamurthy**, a visionary academician, and a renowned name in the field of rock mechanics. His demise marks an irreplaceable loss to the global geotechnical engineering community.

On behalf of the Indian Geotechnical Society – Surat Chapter, I extend our heartfelt condolences to his family, colleagues, students, and countless admirers. Prof. Ramamurthy's extraordinary contributions to rock mechanics, geotechnical engineering, and engineering education have left a legacy that will continue to inspire generations to come.

Throughout his distinguished career, he demonstrated exceptional dedication to advancing research, fostering academic excellence, and strengthening professional institutions. His pioneering work, extensive publications, and leadership roles in national and international societies significantly shaped the evolution of geotechnical engineering practices in India and beyond. As a mentor, he guided numerous scholars and nurtured talent with remarkable commitment and wisdom.

Prof. Ramamurthy's association with prestigious institutions and his invaluable service to professional bodies such as the Indian Geotechnical Society and the International Society for Rock Mechanics reflect his unwavering commitment to the profession. His vision, humility, and intellectual rigor earned him widespread respect across the global engineering community.

His passing is not only a loss to academia and the engineering fraternity but also to all who had the privilege of learning from his knowledge and experience.

We pray that the departed soul rests in eternal peace. May his family find strength and solace in this difficult time.

Sincerely,

Prof. Chandresh H. Solanki - Chairman, IGS Surat Chapter
Mr. Sanjeev Kumar Agarwal - Vice-Chairman, IGS Surat Chapter
Mr. Nehal Desai - Secretary, IGS Surat Chapter

Condolence Message on the Passing of Er. L. V. Srirangaraju

The members of the Indian Geotechnical Society express their profound grief and heartfelt condolences on the sad demise of **Er. L. V. Srirangaraju**, a distinguished engineer, respected professional, and valued member of the Society, who passed away on 26 January 2026.

Er. L.V. Srirangaraju was an accomplished civil engineer with an illustrious career spanning several decades. He completed his B.E. in Civil Engineering in 1966 from the prestigious National Institute of Engineering, Mysuru. Driven by his passion for higher learning and technical excellence, he pursued his M.E. in Hydraulic Engineering in 1968 from IIT Bombay.

He began his professional career in 1968 as a Lecturer at the Siddaganga Institute of Technology, Tumakuru, where he inspired young engineering students with his knowledge and dedication. In 1973, he joined the Karnataka Power Corporation Limited as a Group Engineer, marking the beginning of a remarkable professional journey in the field of power and infrastructure development. During his distinguished tenure at KPCL, Er. L.V. Srirangaraju played a significant role in the design and development of major hydropower structures, contributing his expertise to important projects such as the Chakra Hydroelectric Project, the Savehakkalu Dam, and several spillway and water conductor systems. His technical competence and leadership were also evident in the execution of Units 5 and 6 of the Raichur Thermal Power Station, which stand today as testimony to his engineering acumen and dedication. Rising through the ranks with distinction, he served the organization in various responsible positions and ultimately retired as General Manager in 2004, leaving behind a legacy of professional excellence and integrity.

An ardent believer in continuous learning, Er. L. V. Srirangaraju pursued and completed a degree in Law during his service, developing a special interest and expertise in arbitration and dispute resolution. Even after retirement, he remained intellectually active and professionally engaged. From 2004 to 2025, he was associated with more than seventy highly complex national and international technical arbitration cases, working alongside eminent jurists and experts in India and abroad. He authored the famous book *"Entwined Relationships between Engineering, Society and Laws"*, which explores the intersection of technical engineering practices, social impacts, and legal frameworks.

In recognition of his professional stature and technical contributions, he was invited by IGS Bengaluru Chapter to deliver the Prof. B. K. Ramiah Memorial Lecture in 2000, an honour bestowed upon distinguished professionals in the field. Beyond his professional achievements, Er. L. V. Srirangaraju was known for his integrity, humility, intellectual depth, and commitment to engineering excellence. As a member of the Society, he contributed significantly to its activities and enriched the professional community with his wisdom and experience.

His passing is a great loss to the engineering fraternity and to all who had the privilege of knowing and working with him. The members of the Society convey their deepest sympathies to the bereaved family. We pray that the Almighty grants strength and courage to his family to bear this irreparable loss and that the noble soul of Er. Elvish Srirangaraju rests in eternal peace.

May his soul rest in peace.

Smt. Vani Srirangaraju

SARATHY GEOTECH

EXPLORE NEW DEPTHS WITH US

With 18 years of experience, providing end-to-end geotechnical solutions across onshore and offshore sectors.

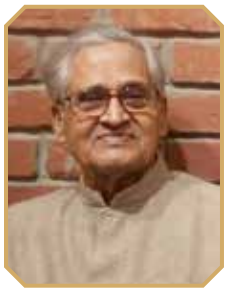
INDIA | INDONESIA | UAE | KSA | VIETNAM

+91 98448 75900

info@sarathygeotech.com

www.sarathygeotech.com

OBITUARY



"Father of
Rock Mechanics in India"
Prof. and Dr. Temura Ramamurthy
(6th June 1936 - 2nd April 2026)

Prof. and Dr. Temura Ramamurthy was born on 6th June 1936 in the city of Hyderabad, India. During his growing up years, he had established various facilities such as reading rooms, radio rooms, gardens, fountains, playground for children with swings and slides and public toilets. His school education was at Dharamwanth High School in Hyderabad with Urdu as a first language and English as a second language he qualified his 10th class Board Examination. He used to be active in various sports like Football and Kabbadi during his school days. After his 10th class, he joined City College in Hyderabad for his Intermediate education. He earlier chose Biology for pursuing Medical studies but later decided to chose mathematics to pursue Engineering for faster job opportunities. He qualified his Intermediate education with Telugu language. Apart from his intermediate studies, he used to do sketching with ink pen portraits of Rabindranath Tagore, Mahatma Gandhi, Jawaharlal Nehru, Vinobha Bhave, Subhash Chandra Bose and Jai Prakash Narayan etc.

Later he pursued his Bachelor of Education (B.E.) at Osmania University, Hyderabad and completed his degree with first class in the year 1958. He served in Andhra Pradesh Engineering Research Laboratories (APERL) from 1958-1967 and went on leave during this period for M.E. and Ph.D. Degrees. He pursued his Master of Education (M.E.) for Soil Mechanics and Foundation Engineering (S.M.F.E) at Indian Institute of Sciences (I.I.Sc) Bangalore in 1962 with Distinction and later pursued his Doctor of Philosophy (Ph.D.) from Birmingham University, United Kingdom in 1966 as a Commonwealth Scholar and an Honorary Degree "Doctor of Civil Engg." from Vishwa Unnyan Samsad in the year 1987.

He started his journey as the faculty member of I.I.T. Delhi from 1967, from where he finally superannuated as Emeritus Professor in 2001, then served as the Director of M/s AngRon Geotech Pvt. Ltd., New Delhi.

He started **M.Tech. degree program** in **Rock Mechanics** for **Civil and Mining Engineers at IIT Delhi in 1977**. Established three labs namely **Rock Mechanics, Geomechanics Modelling and Foundation Engg**.

He had **guided 20 Ph.D** candidates and a large no. of M.Tech. and B.Tech students. Over the years, he had served on Advisory Committees of various National Laboratories/Institutions, such as **UGC, AICTE, NAAC, DST, CBIP, CRRI, NGRI, NIRM, CMRI, CSMRS and also as member of Board of Governors for the 4 educational institutions**. He had chaired and co-chaired sessions at various National and International Conferences, panelist at 10th conference of ISSMFE, Stockholm and delivered keynote lectures at Asian Regional International Symposia held at Seoul, Tehran and New Delhi. He had delivered Heritage Lecture in the 13th International Conference on Soil Mech. & Foundation Engineering in 1994 and a Keynote Lecture in the 12th International Congress on Rock Mechanics held at Beijing, China in October 2011.

He was the **Fellow/Member of 10 Professional Societies**. He had been conferred with Fellowship of ISRM for **'outstanding contributions to Rock Mechanics & Rock Engineering and to the community through ISRM'**. He had also been conferred with **"Distinguished Service Award"** in the recognition of tremendous contributions to **IIT Delhi** on the occasion of its **Golden Jubilee celebrations**.

He had edited a book on **"Engineering in Rocks for Foundations, Slopes and Tunnels"** published by Prentice Hall of India. He had also co-edited the proceedings of 6th Asian Regional International Symposium, the Manual of Rock Mechanics, and the Manual on Underground works for CBIP.

He delivered **IGS Annual lecture in 1985**. In recognition of his outstanding contribution in the field of Geotechnical Engineering, Indian Geotechnical Society **invited him to deliver IGS-Ferroco Terzaghi Oration-2018**.

He had served as the **Vice–President of ISRM** (International Society of Rock Mechanics) representing Asia; **President of IGS** (Indian Geotechnical Society); **Founder President of the National Committee of ISRM**; co-opted **Vice-President of Clay Mineral Society of India, Vice-President of Indian Society of Engineering Geology,** and also as the **Vice–Chairman of Adhering Committee of International Tunneling Association**.

He had **served on Editorial Boards** of two International Journals and as one of the 12 Advisory Editorial Board Members of Comprehensive Rock Engineering (five volumes) by Pergamon Press, United Kingdom.

He had received a total of **20 awards**, including 6 for outstanding contributions from various societies; **SE Asian Society of SMFE, Bangkok (1987), IGS Kueckelman award (1989), CBIP Diamond Jubilee Award (1993), Indian Society for Rock Mechanics and Ground Control (1994), Shelter Promotion Council, India (1996), Life time contribution Award from Indian Soc. of Engineering Geology (2011) and a National Inventions Award (1970) and also IGS Silver Jubilee Award for best paper published in 25 years (1948-73)**.

He had published more than **200 technical papers and edited number of conference/symposia proceedings** for IGS and CBIP, including World Tunnel Congress, (2008). He had also served on various Commissions/Technical Committees of International Society of Rock Mechanics (ISRM) and International Society of Soil Mechanics & Geotechnical Engineering (ISSMGE) and also represented India on their Council/Board/Executive committees meetings held at Stockholm, Aachen (Germany), Paris (twice), Tokyo, Singapore, New York, Turin (Italy), Dublin, Johannesburg, Lisbon, Tehran, Beijing and Montreal.

He had served as a consultant to **more than 250 engineering projects** including the selection of the rock for the Buddha Statue located in Hussain Sagar, Tank Bund, Hyderabad and the newly inaugurated Chenab Bridge.

He had met eminent personalities in his life such as Former Member of Parliament the Late Sangam Lakshmi Bai, Royal Family Members of United Kingdom the Late Prince Philip and King Charles III, Royal family members of Thailand etc.

As his Eldest Grandson, I mentioned him in during my October 2014 Telugu Newspaper Eenadu interview as I was only one selected from B Tech 2nd year during my B Tech degree program from GITAM Deemed University, Hyderabad Campus Civil Engineering Department. The press reporter asked me a question why did you choose Civil Engineeering? I responded that my Grandfather Prof. T. Ramamurthy has started a subject called Rock Mechanics which is one of the most important subjects in Civil Engineering and also mentioned regarding my uncle T. Ravindra that he was working at a private construction firm in Noida. As there was a demand in Civil Engineering, I chose this stream of Engineering. During my M. Tech. degree program, my Grandfather helped me with my M. Tech. Project by giving guidance. Due to his encouragement and support, I was able to Publish my Technical Note in the Indian Geotechnical Journal with Springer, when I was completing my M Tech degree program with VNRVJIET, Affiliated to JNTU Hyderabad during tough Covid pandemic situations. During Covid Pandemic situations, I had participated in many webinars organized by various IGS Chapters and have shown my IGS Participation Certificates to my Grandfather Prof. T. Ramamurthy during the year 2022.

As he was undergoing various medical check ups in Delhi, we got to know the news that he was no more and had left for his heavenly abode on April 2nd 2026. His passing away leaves an unfillable void to his Sons, his Daughter-in-laws; his Grandsons and his relatives . The last rites were performed on April 3rd 2026 in Delhi. A solemn prayer ceremony was conducted on April 11th 2026 in South Delhi.

I would like to express my gratitude on behalf of my entire family members for sending us the condolence messages and providing us the strength and support we needed the most during our difficult times.

Er. Temura Rahul
(Eldest Grandson of Late Prof. and Dr. Temura Ramamurthy),
Life Member of the Indian Geotechnical Society.

Instrumentation & Technologies

Editor : Dr. A.P. Singh, Hon. Secretary, IGS & Director, Explore Engineering Consultants Pvt. Ltd., C-273, Sector 63, Noida, Uttar Pradesh 201301

Assoc. Editor : Mr. Sanjay Arora, Exec. Secretary, Indian Geotechnical Society, 206, Manisha, 75-76, Nehru Place, New Delhi-110019

Published by : Indian Geotechnical Society (Regn. No. S/18957), 206, Manisha, 75-76, Nehru Place, New Delhi-110019
Email : admin@igs.org.in, igsheadquarter@gmail.com, Website: www.igs.org.in, Ph. : 011-26210361

Printed by : Pushpak Press Pvt. Ltd., 203-204, DSIDC Complex, Okhla Phase-I, New Delhi-110020