

TECHNICAL PROGRAMME SCHEDULE - TGS 2026

Venue: National Science Seminar Complex, Indian Institute of Science, Bangalore

Day 1: 17/07/2026 (Friday)

09:30 – 10:30	Inauguration Venue: J N Tata Auditorium (Program on Page 5)	Coordinator: Dr. C.R. Parthasarathy (SGES Pvt Ltd) Volunteers: Sivani Sangeetha Dikshitha Shreyas Yadunandan Bronson Arun Kumar Singh Kukutla Sai Shivanand Vanishree
10:30 – 11:00	Tea Break & Exhibition Visit	
11:00 – 12:00	Theme 1: Geosynthetics and Ground Improvement Presenters: Prof. Sireesh Saride (IIT Hyderabad); Dr. Amarnath Hegde (IIT Dharwad); Dr. Deendayal Rathod (NIT Tiruchirapalli). Expert Panel: Prof. A. Murali Krishna (IIT Tirupati); Prof. Dasaka Murthy (IIT Bombay); Prof. H.N. Ramesh (UVCE, Bengaluru University).	Chair: Prof. Jyant Kumar (IISc, Bangalore) Volunteers: Ankit, Surya Prakash
12:00 - 13:00	Theme 2: Geotechnical Investigation and Site Characterization Presenters: Dr. Abhishek Kumar Sharma (IIT Guwahati); Dr. Naveen James (IIT Ropar); Dr. L. Govindaraju (UVCE, Bengaluru); Dr. B.V. Ravishankar (Cambridge Institute of Technology). Expert Panel: Prof. Vasant Matsagar (IIT Delhi); Prof. T. Thyagaraj (IIT Madras); Prof. A.P. Singh (Explore Engineering Consultants).	Chair: Prof. Sekhar Muddu (IISc, Bangalore) Volunteers: Yadhunandan, Hrithick
13:00 – 14:00	Lunch & Exhibition Visit	
14:00 – 15:30	Felicitation of MP Nagaraj by TGS Special guest address: Shri M Nagaraj, Member of Parliament, Rajya Sabha	

	Theme 3: Seismology, Earthquake Geotechnical Engineering and Microzonation Presenters: Dr. Sreevalsa Kolathayar (NIT Surathkal); Dr. Abhishek Kumar (IIT Guwahati); Dr. Dhanaji Chavan (KLSGIT, Belagavi); Prof. Anbazhagan P. (IISc, Bangalore); Dr. Monalisha (L&T Construction); Dr. Ramakrishnan (FRI, Dehradun); Dr. Balreddy Muttana S. (SIT, Tumkur). Expert Panel: Shri M Nagaraj, Member of Parliament, Rajya Sabha Prof. S.K. Prasad, (IGS Mysuru chapter) Prof. A. Boominathan (IIT Madras); Prof. G.R. Dodagoudar (IIT Madras); Prof. K. Premalatha (Anna University, Chennai); Prof. Hazarika Hemanta (Kyushu University, Japan)	Chair: Prof. KV Vijayendra (AIT, Bengaluru) Volunteers: Ayush Kumar, Rishab Kumar, Yogarish NR
15:30 – 16:00	Tea Break & Exhibition Visit	
16:00 – 17:30	Parallel Technical Session 1 (Hall A) (Details are provided on Page 4-9)	Chairs: Dr. Ramakrishna Bag (IIT Patna) Volunteers: Yadhunandan ME; Sourav Sarkar; Hirtheek
	Parallel Technical Session 2 (Hall B) (Details are provided on Page 4-9)	Chair: Dr. G V Ramana (NIT Warangal) Volunteers: Zeeshan; Deepak; Ankit
	Parallel Technical Session 3 (Hall C) (Details are provided on Page 4-9)	Chair: Dr. K Manjunatha (UBDTCE, Davangere) Volunteers: Ayaz Mehmood; Surya Prakash; Vishnu
18:00 – 20:00	Cultural Programme Venue: J N Tata Auditorium “Echoes of the Earth” by Laasya Academy of Dance and Shivapriya School of Dance Artists: Dr. Lakshmi Rekha Arun Founder-Director, Laasya Academy of Dance Dr. Sanjay Shantaram Artistic Director, Shivapriya School of Dance	Coordinator: Dr. C R Parthasarathy Volunteers: Sivani Sangeetha
20:00 onwards	Dinner Venue: Dining Hall	

Day 2: 18/07/2026 (Saturday)

08:00 – 09:00	Breakfast	
09:00 – 10:00	Theme - 4 Computational Methods and Geomechanics	Chair: Prof. Debraj Ghosh (IISc, Bangalore)

	Presenters: Prof. Pijush Samui (NIT Patna); Prof. J S Vinod (University of Wollongong); Dr. Vipin (Swiss Re); Prof. Dinesh SV (SIT, Tumkur); Prof. Anitha SD (MSRUAS, Bengaluru). Expert Panel: Prof. Muthukkumaran K (NIT Tiruchy); Prof. Ravi S. Jakka (IIT Roorkee). Shri Sriram, GEMS software	Volunteers: Harish Thakur, Panjani K
10:00 – 11:00	Theme 5: Rock Mechanics, Tailing Dams and Mining Presenters: Prof. VB Maji (IIT Madras); Dr. Reshmi Sabastian (IIT Ropar); Dr. Vivek P (IIT Guwahati). Expert Panel: Prof. Mahendra Singh (IIT Roorkee); Dr. H.S. Venkatesh (NIRM, Bengaluru); Dr. More Ramulu (AICTE, New Delhi)	Chair: Dr. P Raghuvier Rao (IISc, Bangalore) Volunteers: Zeeshan, Pranjal, Ayaz
11:00 – 11:30	Tea Break & Exhibition Visit	
11:30 – 13:00	Parallel Technical Session 4 (Hall A) (Details are provided on Page 4-9)	Chair: Dr. Lohitkumar Nainegali (NITK Surathkal) Volunteers: Panjani; Hirtheek; Surya Prakash
	Parallel Technical Session 5 (Hall B) (Details are provided on Page 4-9)	Chair: Dr. Prabhakar (NIT Tiruchy) Volunteers: Harish Thakur; Deepak; Yogarish
	Parallel Technical Session 6 (Hall C) (Details are provided on Page 4-9)	Chair: Dr. Arvind Kumar Jha (IIT Patna) Volunteers: Yadhunandan ME; Rishabh Kumar
13:00 – 14:00	Lunch & Exhibition Visit	
14:00 – 15:00	Theme 6: Sustainability, Social Impact and Education Presenters: Dr. CR Parthasarathy (Sarathy Geotech), Dr. Deepankar Choudhury (IIT Bombay) Dr. Raviraj H.M. (NITK, Surathkal); Dr. More Ramulu (AICTE, New Delhi). Expert Panel:	Chair: Prof. V V Srinivas (IISc, Bangalore) Volunteers: Sourav, Vishnu

	Padmashree Dr. Prahalada Rama Rao (Former Director, DRDL Bengaluru); Dr. HK Ramaraju (The Institute of Engineers (India)).	
15:00 – 16:00	Parallel Technical Session 7 (Hall A) (Details are provided on Page 4-9)	Chair: Dr. Aditya Parihar (TIET, Patiala) Volunteers: Ayush Kumar; Hirthick; Maneet
	Parallel Technical Session 8 (Hall B) (Details are provided on Page 4-9)	Chair: Dr. Kunjari Mog (IEST, Shibpur) Volunteers: Sourav Sarkar; Deepak
	Parallel Technical Session 9 (Hall C) (Details are provided on Page 4-9)	Chair: Dr. Manoj N. Bagde (CSIR-CIMFR, Nagpur) Volunteers: Zeeshan; Surya Prakash; Vishnu
16:00 – 16:30	Tea Break & Exhibition Visit	
16:30 onwards	Valedictory Function (Program on Page 8)	Coordinator: Dr CR Parthasarathy Volunteers: Sivani Sangeetha

Inaugural Function Programme Schedule

International Conference on Tenets for Geosystem Surety: TGS-2026

Date: 17 July 2026

Venue: J. N. Tata Auditorium, IISc Bangalore

09:30 AM – 09:33 AM	Opening Note	Opening remarks and invitation to the dignitaries to occupy the dais: Chief Guest – Dr. S. Vidyashankar, <i>Vice Chancellor, VTU</i> Presided by – Prof. Ananth Ramaswamy, <i>Chairman, Department of Civil Engineering, IISc</i> Guests of Honor – Padma Shri Guruji Dr. H.R Nagendra, <i>President, S-VYASA Deemed-to-be-University</i> – Shri. Janardhana Swamy, <i>Former Member of Parliament, 15th Loka Sabha, Chitradurga constituency</i> – Padma Shri Prof. Ganapati D. Yadav, <i>Emeritus professor of Eminence, Institute of Chemical Technology</i> – Prof. Deepak Kumar Srivastava, <i>TISS, Former Vice Chairman UGC</i> Host Dignitaries – Prof. T. G. Sitharam and Mrs. Sitharam; – Dr Anil Joseph, <i>President IGS, Vice President-Asia, ISSMGE</i> – Prof. Anbazhagan, <i>Convenor, TGS 2026</i> – Prof S.K Prasad, <i>Organizing member, TGS 2026</i>
09:33 AM – 09:35 AM	Invocation	Invocation song
09:35 AM – 09:40 AM	Welcome Address	Prof. Ananth Ramaswamy
09:40 AM – 09:43 AM	About the Conference	Brief introduction and overview of TGS-2026 by the Prof. Anbazhagan
09:43 AM – 09:48 AM	Lighting of the Lamp	
09:48 AM – 09:58 AM	Felicitation of Teachers	by Prof. T. G. Sitharam, Felicitation of esteemed teachers including – Dr. K. N. V. Rao, <i>Retd. Professor UBDT CE</i> – Shri K. V. Prasad, <i>Retd. Professor UBDT CE</i> – Shri D. S. Prakash, <i>Retd. Professor UBDT CE</i> – Prof. S. K. Narayan, <i>Retd. Professor UBDT CE</i> – Prof. Rama Rao, <i>Retd. Professor UBDT CE</i> – Prof. Achuta, <i>Retd. Professor UBDT CE</i> – Prof. K. S. Subba Rao, <i>Retd. Professor IISc</i> – Prof. P. V. Sivapulliah, <i>Retd. Professor IISc</i> – Prof. A. Sridharan, <i>Retd. Professor IISc</i>
09:58 AM – 10:00 AM	Felicitation of Chief Guest	by Prof. T. G. Sitharam

10:00 AM – 10:10 AM	Felicitation of Guests	By the organizing committee; Dr. Nagendra Guruji Mr. Janardhana Swamy Dr. G. D. Yadav Prof. Deepak Kumar Srivastava
10:10 AM – 10:15 AM	Address by the Chief Guest	Dr. Vidyashankar
10:15 AM – 10:20 AM	Address by Guests of	Dr. Nagendra Guruji, Distinguished Guest
10:20 AM – 10:25 AM	Honor	Prof. Deepak Kumar Srivastava
10:25 AM – 10:27 AM	Souvenir release	
10:27 AM – 10:29 AM	Felicitation of Prof. T. G. Sitharam	by Dr Anil Joseph, IGS President
10:29 AM – 10:32 AM	Address by Guests of	Dr Anil Joseph, IGS President
10:32 AM – 10:37 AM	Honor	Mr. Janardhana Swamy
10:37 AM – 10:42 AM		Dr. G. D. Yadav
10:42 AM – 10:44 AM	TGS book release (AI Sakti AI for Bharat)	
10:44 AM – 10:47 AM	Special Address by Prof. T. G. Sitharam	Prof. T. G. Sitharam
10:47 AM – 10:50 AM	Vote of Thanks	Vote of thanks by Prof. S. K. Prasad
NATIONAL ANTHEM		

Cultural Evening

Venue: J N Tata Auditorium

18.30 to 19.30hrs

“Echoes of the Earth”

by Laasya Academy of Dance and Shivapriya School of Dance

Artists:

Dr. Lakshmi Rekha Arun

Founder-Director, Laasya Academy of Dance

Dr. Sanjay Shantaram

Artistic Director, Shivapriya School of Dance

Dinner 19.30 Onwards

Host Dignitaries

- Prof TG Sitharam and Mrs TG Sitharam;
- Dr CR Parthasarathy, IGS Bengaluru Chapter
- Prof KV Vijayendra, IGS Bengaluru Chapter

Function Programme Schedule

International Conference on Tenets for Geosystem Surety: TGS-2026

Date: **18 July 2026, 16.30hrs**

Venue: **J. N. Tata Auditorium, IISc Bangalore**

04:30 PM – 04:32 PM	Opening note	Invitation to the dignitaries to occupy the dais: Chief guest – Dr Anil Joseph, <i>President IGS, Vice President-Asia, ISSMGE</i> Guests of Honor – Padmashri Prof. Prahlada Ramarao, <i>Former Distinguished Scientist, DRDO, Ministry of Defence, Former Vice Chancellor, DIAT, Ministry of Defence</i> – Dr. B. E. Rangaswamy, <i>Vice Chancellor, Davangere University</i> – Dr A. P. Singh, <i>Secretary, IGS</i> Host Dignitaries – Prof. T. G. Sitharam and Mrs. Sitharam – Prof Raghuveer Rao, <i>Vice-Chairman, IGS Bangalore chapter</i> – Prof. Anbazhagan, <i>Convenor, TGS 2026</i> – Prof HN Ramesh, <i>IGS Bengaluru Chapter</i>
04:32 PM – 04:35 PM	Welcome Address	Prof Raghuveer
04:35 PM – 04:40 PM	Honouring of Guests	
04:40 PM – 04:43 PM	About IGS	By Dr A. P. Singh, Hon Secretary, IGS
04:43 PM – 05:02 PM	Technical Presentation	by Prof. T. G. Sitharam
05:02 PM – 05:06 PM	Address by Chief Guest	By Dr Anil Joseph, President, IGS
05:06 PM – 05:10 PM	Address by Guests of honour	Padmashri Prof. Prahlada Ramarao,
05:10 PM – 05:14 PM	Address by Guests of honour	Dr. B. E. Rangaswamy
05:14 PM – 05:24 PM	Felicitation by IGS Chapters	Felicitation by representatives of various IGS chapters: – IGS Bengaluru. – IGS Suratkal – IGS Mysuru – IGS Hubballi-Dharwad
05:24 PM – 05:34 PM	General Felicitation	Felicitation by well-wishers, colleagues, and invited members (if any, requested during the conference)
05:34 PM – 05:36 PM	Release of books written by TGS (Road ahead 2.0, Almagineering)	
05:36 PM – 05:51 PM	Special Address	by Prof. T. G. Sitharam
05:51 PM – 05:54 PM	Closing Remarks	Prof. Anbazhagan

05:54 PM – 05:57 PM	Vote of Thanks	by Prof HN Ramesh
NATIONAL ANTHEM		

Snacks and Tea – 18.00hrs

DETAILS OF PARALLEL SESSIONS

Parallel Session 1 - Geosynthetics & Ground Improvement		
Day 1 17-07-2026; Venue: Hall A; 16:00 - 17:30		
Chair: Dr. Ramakrishna Bag (IIT Patna)		
Volunteers: Yadhunandan M E; Sourav Sarkar; Hirthick		
1	TH02P01	Innovative Geocell and Geogrid Composite Foundation to Support Dry Zinc Tailings over Existing Wet Tailings Deposits by Amarnath Hegde, Peddireddy Sreekanth Reddy, TG Sitharam, MK Arha, SN Gupta
2	TH02P02	Interaction of 3D-Printed Geomembranes with Sand: A Comparison of Different Polymers by Maralappa Kadimani, Amarnath Hegde
3	TH02P03	Strength Performance of Natural and Cement-Admixed Soils Modified with Nano clay by M. Kirithika, VK Stalin
4	TH02P04	Strength Behaviour of Soil Stabilized with Red Mud-based Geopolymer by Sandeep Kumar Chouksey, Hari Naga Prasad. Chenna
5	TH02P05	Stabilization of Expansive Black Cotton Soil Using Copper Slag as a Sustainable Subgrade Material: A Microstructural and Mineralogical Study by DM Suman, MS Ramya
6	TH02P06	Experimental and Analytical Investigation on Sand Bed Reinforced with Coir Geocell and Basal Planar Reinforcement by Renu N, Anjana Bhasi, Anil Kumar
7	TH02P07	Stabilization of Expansive Soil Subgrade through Lime-Sand Admixture for Flexible Pavement by Dharmendra Barman, Sujit Kumar Dash
8	TH02P08	Study on Performance of Red and Black Soil with and without application of Geo-textile by Rajeshwari B
9	TH02P09	Effect of Sawdust Ash on the Geotechnical Properties of Marine Clay by Sana Fathima MA, Hariraj R, Nandana R, Fabiyan Augustine
10	TH02P10	Experimental Study on improvement of Soil Strength using Geofom and Sawdust based on California Bearing Ratio Test by Kinhikar, R
11	TH02P11	Experimental Investigation of Enzyme-Induced Calcite Precipitation Using Soybean-Derived Urease for Strength Improvement of Fine-Grained Soils by Mohammad Rajin Zaki Anwar, Raheena M, Resmi Sebastian
Parallel Session 2 - Computational Geomechanics and AI/ML		
Day 1 17-07-2026; Venue: Hall B; 16:00 - 17:30		
Chair: Dr. G V Ramana (NIT Warangal)		
Volunteers: Zeeshan; Deepak; Ankit		
1	TH01P03	Z-Score Normalization in Random Forest for Standard Penetration Test Value Prediction by Swaroopa Sail
2	TH01P07	Effect of Loading Waveform and Drainage on the Cyclic Triaxial Response of Granular Sand: A DEM Study by Abhinandan Thakur, Kunjari Mog
3	TH04P01	Comparison of LEM 3D and FEM 2D for slope stability analysis in a part of Western Ghats by Anant Gawhade, Priyajit Kundu, Sreevalsa Kolathayar
4	TH04P02	Reliability-Based Slope Stability Analysis of Embankment Using Machine Learning Techniques in Pune Region by Momin Abuzar, Saurav Shekhar Kar, Rahul Ray
5	TH04P04	A Review of Probabilistic Methods for Landslide Hazard by Radha Rao, Pradnya Singbal, Nisha Naik

6	TH04P06	Numerical Investigation of Impedance Characteristics of Adjacent Strip Footings on Dense Sand under Cyclic Loading Using the HS small Model by Anupkumar G. Ekbote, Lohitkumar Nainegali
7	TH04P07	Reliability-Based Design Optimization of Pile Foundations via Machine Learning under Stochastic Uncertainty by Karthikeyan M, Manish Kumar
8	TH04P09	Load Sharing and Settlement Reduction Analysis of Piled Raft Foundations on Soft Black Cotton Soil by Aruna T Raju, K
9	TH04P10	Influence of Embankment Height and Train Speed on the Dynamic Behaviour of Railway Embankments over Soft Coastal Clay by Roy R. Anil Kumar
10	TH04P11	Intelligent Modelling of Underground Structures Using Computational Geomechanics and Deep Learning by R. Sridhar, Kiran KK
11	TH04P12	Machine learning-based V_{s30} and fo mapping for seismic site characterization of the Himalayan region by Harish Thakur and P. Anbazhagan
Parallel Session 3 - Geotechnical Investigation & Site Characterization		
Day 1 17-07-2026; Venue: Hall C; 16:00 - 17:30		
Chair: Dr. K Manjunatha (UBDTCE, Davangere)		
Volunteers: Ayaz Mehmood; Surya Prakash; Vishnu		
1	TH01P01	Correlation of Hydraulic Conductivity with Index Properties of In-situ Polymerized Bentonites Under Diverse Chemical Environments by S. Keerthana
2	TH01P04	Strength and Energy Absorption Characteristics of High-Plasticity Clay Stabilized with Cow Dung Ash and Fly Ash by Anjana R Krishnan, L Abhijith, Kodi Rangaswamy
3	TH01P05	Estimation of Erosion Rate in Goa using Hole Erosion Test by Vanessa Fernandes, Savoikar, P
4	TH01P06	Shear Strength Behaviour of Vetiver Grass Root Reinforced Clayey Sand by Sakeri Ashutosh, Purvi Sabar, Suchismita Biswal, Aditya Kumar Bhoi, Nabeen Bage
5	TH01P08	Geophone Directionality Effects on Surface Wave Amplitudes over Slopes by Prabhakar Vishwakarma and P. Anbazhagan
6	TH01P09	Evaluation of Deformability Characteristics and Correlation between In-situ and Geophysical Moduli in a Styrolitic Limestone Terrain by Aakash Baheti, Singh, S, Sarwade, D, Gupta, M
7	TH01P10	Unified Properties of the Stone Masonry Dam for Stability Analysis by Senthil S. and P. Anbazhagan
8	TH01P15	Settlement Analysis of Transformer Yard Foundation in Thin Layer Soil by Lenin K R, Rishabh K, P Anbazhagan
9	TH03P07	Deflection behaviour of piles on sloping terrain by Veeresh Rudrappa Koti, Naveen A
10	TH01P12	Subsurface Profiling Using Multi-Parameter Ensemble and Fuzzy Clustering from GPR Data by K. Panjami, P Anbazhagan, Arun Kumar M N
11	TH01P14	Nearshore Karst Hazards in Coastal Sediments: Geophysical Delineation from the Coromandel Coast, India by Yogarish Narasinga Raja A and P Anbazhagan
Parallel Session 4 - Sustainability, Social Impact & Education		

Day 2 18-07-2026; Venue: Hall A; 11:30 - 13:00		
Chair: Dr. Lohitkumar Nainegali (NITK Surathkal)		
Volunteers: Panjami; Hirthick; Surya Prakash		
1	TH02P14	Biostimulation of Indigenous Soil Microbes and Implications for CO ₂ Mineralization: A preliminary study by Bhavitha Kamasani, Resmi Sebastian, Sakshi Rohilla
2	TH04P05	Enhancing Engineering Students' Engagement Through an Experience-Based Approach in The Era of Artificial Intelligence by Aditya Parihar
3	TH04P08	Sustainable Environmental Flow Analysis of the Puthimari River Using Flow Duration Curve (FDC) And Tennant Method by Nilakshi Devi, Triptimoni Borah
4	TH05P07	Waste-to-Resource Subgrade Materials for Low-Carbon Pavement Infrastructure by N S Chandanshree, Anitha Kumari S D, Sanjay Nimbalkar
5	TH06P01	Numerical Analysis of Coir Geocell-Reinforced Pavements for Enhanced Structural Performance by Vikash J, Dhanya Raveendran, Sreevalsa Kolathayar
6	TH06P02	Structural Performance of Recycled Polypropylene Mattress-Reinforced Base Layers by Jain, S, Ram, A, Saride, S, Rao, P
7	TH06P04	Biopolymer-Based Sustainable Subgrade for Pavement Applications by Evangelin Ramani Sujatha, Pratheeba V, Abirami, Pavithraa S, Shri Janani R
8	TH06P05	Sustainable Stabilization of Expansive Soils Using Microbially Induced Calcite Precipitation (MICP) and Biopolymers: A Critical Review by Barman, T
9	TH06P06	The study on the significance of sugarcane bagasse Ash as a supplementary cementitious material in concrete by Soumya, T, Kumar, G
10	TH06P07	Synergistic Stabilization of Contaminated Dump-yard Soil via Gradation-Optimized C&D Waste and GGBS-based Geopolymer Binders for Pavement Infrastructure by Shriram Marathe, Pushparaja, Naik, Anoop Rai M
Parallel Session 5 - Sustainability, Social Impact & Education		
Day 2 18-07-2026; Venue: Hall B; 11:30 - 13:00		
Chair: Dr. Prabhakar (NIT Tiruchy)		
Volunteers: Harish Thakur; Deepak; Yogarish		
1	TH06P08	Removal of Chromium from Paint Industry Effluent Using Marigold Flower Waste as a Biosorbent – Batch and Column Studies by Brunda G S
2	TH06P09	Column Leaching Study on the Removal of Nickel from Paint Industry Effluent Using Orange Peel Powder as a Biosorbent by Brunda G S, Punya C P, Sandhya M, Poorvika M, Puneeth Kumar M
3	TH06P10	Parametric Assessment of Soil Quality and Geochemical Variations Induced By Effluent Irrigation: Implications for Agro-Environmental Sustainability by Bhagyashree H N, D P Nagarajappa, P Shivakeshava Kumar
4	TH06P11	Dynamic Split Tensile Behaviour and High Strain Rate Anisotropy of 3D Printed Concrete under SHPB by Shivam Kumar, Vivek P, Biranchi Panda
5	TH06P12	Sustainable approach for infrastructure development: A State-of-the-Art Review by Sandhya Mathapati, Sanju Phulpagar, Varsha More, Lipsa Mishra
6	TH06P13	Analytical Evaluation of Subgrade-Controlled Rutting in Flexible Pavements: A Case Study of Soft Clay Strata in Jhalawar, Rajasthan by Shailendra Singh, Acharya, B

7	TH06P15	Planning and Design of Reinforced Earth Wall for Approaches of Major Bridge on Complex Hilly Terrain: Sustainable Perspective by Gondu Venkata Ramana, Prudhviraaj Vysaraj, Sudheer Kumar Yamsani
8	TH06P16	Utilization of Industrial Waste Materials for Enhancing Subgrade Soil Properties: A Comprehensive Review by Patel, S
9	TH06P17	Integrated Traffic Flow Congestion Mitigation Strategies Using IRC And INDO-HCM Standards In PMC, Pune by Vivek P. Gajpure, Rajshekhar G. Rathod, Sagar K. Sonawane
10	TH06P18	Sustainable Road Construction Using Bamboo Fiber in Subgrade Soil Stabilization by Lade V, Rathod R, Sonawane S
Parallel Session 6 - Rock Mechanics, Tailing Dams & Mining		
Day 2 18-07-2026; Venue: Hall C; 11:30 - 13:00		
Chair: Dr. Arvind Kumar Jha (IIT Patna) Volunteers: Yadhunandan ME; Rishabh Kumar		
1	TH01P02	Dynamic Tensile Strength and Fragmentation Characteristics of Cemented Sandstone under Impact Loading by Abass Z, Padmanabha V
2	TH05P01	Infrared Thermographic Signatures of Rock Damage: A Focused Review from a Rock Mechanics Perspective by Revuru P, Sebastian R
3	TH05P02	Characterization of Gold Ore Tailings and Assessment of Mechanical Properties of Geopolymer Concrete Produced Using Gold Ore Tailings by Eshwarayya Bolluru Lokesha, Mangalpady Aruna
4	TH05P03	Utilization of Geogrids for Improving the Strength of Coal Tailings by Hema Gurappa Pol, Amarnath Hegde
5	TH05P04	A Physics-Informed Digital Twin for Early Detection and Localization of Toxic Seepage in Tailings Dams by Mehul Khanna, Prachit Agarwal, Kinshuk Jain, Rudraksh Rajpurohit, Gowtham Padmanabhan
6	TH05P05	A Physics-Informed Digital Twin Driven by Real-Time Radar Data for Weak Zone Detection and Slope Failure Prediction in Open-Pit Coal Mines by Prachit Agarwal, Mehul Khanna, Kinshuk Jain, Debjit Mandal, Gowtham Padmanabhan
7	TH05P06	Comparative Evaluation of Empirical Rock Slope Stability Methods Along Dedicated Freight Railway Corridor in Aravalli Hills, India by A. Mohd. Masroor Alam, Sadique M Waheed
8	TH05P08	Fracture & Fragmentation Analysis using Fragalyst Software of Failed Rock Samples subjected to Cyclic Loading in Uniaxial Compression by MN Bagde and AK Raina
9	TH05P09	Evaluation of Seepage-Induced Softening in Earthen Dams Using ERT and MASW by Sourav Sarkar and P. Anbazhagan
10	TH05P10	Performance Assessment of Underground Tunnels Under Missile Penetration and Blast: Effect of Liner Material by Ibraheem Rais, Md Rehan Sadique, Mohd Masroor Alam, Zaid Mohammad
Parallel Session 7 - Seismology, Earthquake Engineering & Microzonation		
Day 2 18-07-2026; Venue: Hall A; 15:00 - 16:00		
Chair: Dr. Aditya Parihar (TIET, Patiala) Volunteers: Ayush Kumar; Hirthick; Maneet		

1	TH02P17	Probabilistic Seismic Hazard Analysis for Salem District, Tamil Nadu. by R.Tharani, K.Premalatha
2	TH03P01	Site-Specific Probabilistic Seismic Hazard Assessment of the Mullaperiyar Dam in Peninsular India by Abdusamed A, Sankar A, Bhat G, Kolathayar S
3	TH03P02	Physics-Informed Earthquake Early Impact Forecasting Using Digital Twin and Unreal Engine by Mohamed Naveed, Rithwik Ganesh, Debjit Mandal, Gowtham Padmanabhan
4	TH03P03	Static and Seismic Stability Assessment of Black Cotton Soil – Construction and Demolition Waste Mixture Slopes by Madhumita Mohanty, Abhishek Kumar Singh, G Lokesh Tharun Kumar, Tejavath Pravalika
5	TH03P04	Numerical Investigation of Seismic Response of RC Buildings on MSW Landfill Sites Considering Soil–Structure Interaction Effects by Pruthviraj S R
6	TH03P05	Seismic Performance of Soil Foundation Structure Interaction and structure soil structure interaction in Dense Urban AreaS by Shaik Kabeer Ahmed
7	TH03P06	Experimental Investigation of Shock Wave Propagation in Sand Using a Vertical Shock Tube by Deka N, Padmanabha V
Parallel Session 8 - Computational Geomechanics and AI/ML, Geosynthetics & Ground Improvement, Geotechnical Investigation & Site Characterization, Seismology, Earthquake Engineering & Microzonation		
Day 2 18-07-2026; Venue: Hall B; 15:00 - 16:00		
Chair: Dr. Kunjari Mog (IEST, Shibpur) Volunteers: Sourav Sarkar; Deepak		
1	TH01P13	Critical Evaluation of IS 8009 Settlement Correlations for Foundations on Compressible Soils by Rishabh K. and P. Anbazhagan
2	TH01P11	Application of Nonlinear Iterative Inversion in Downhole Seismic Tomography by Ayush Kumar, Panjamani Anbazhagan
3	TH04P13	Thermal Performance Analysis of Geothermal Energy Pile Using Deep Learning Techniques by Ashutosh Kumar, Ramakrishna Bag
4	TH04P14	Numerical Analysis of Non-Linear Consolidation by Pushkar Nath Chaurasia, Manash Chakraborty
5	TH06P03	A Distributional PPO Framework for Sustainable and Energy-Aware Cloud Task Scheduling by Ratnakumari Neerukonda, Sahil Ali Akbar, Sudipta Sundar Pal, Asmath Abbas, Anupama CG
6	TH02P12	Embankments over Soft Soils Improved by Stone Columns with and without Geogrid Encasement under Seismic Excitations by Patel R, B R
7	TH03P09	Evolution of Seismic Zonation and Design Response Spectra in IS 1893: A Critical Review by Shimna Manoharan and P. Anbazhagan
Parallel Session 9 - Geosynthetics & Ground Improvement, Geotechnical Investigation & Site Characterization		
Day 2 18-07-2026; Venue: Hall C; 15:00 - 16:00		
Chair: Dr. Manoj N. Bagde (CSIR-CIMFR, Nagpur) Volunteers: Zeeshan; Surya Prakash; Vishnu		
1	TH03P08	Cost-effective Geophysical Approaches for Resilient Infrastructure. An Integrated Framework for Geotechnical Hazard Assessment and Risk-Based Design Decisions, by Ayaz Mohmood Dar, P Anbazhagan

2	TH01P16	Energy-Dependent Behaviour of SPT N-Values: Insights from Simultaneous Measurement of Hammer Efficiency and Shear Wave Velocity by Yadhunandan M E, Anbazhagan P
3	TH02P13	Investigations on the Influence of Antecedent Rainfall on Rainfall-Induced Landslide Initiation with and Without Geosynthetic Stabilization by Hariom Pathania, Ganesh Kumar, Mahesh Sharma
4	TH02P15	Experimental Investigation on Geogrid Reinforced retaining structure under sequential seismic loading: A Shaking-table study by G Sakthivel, S Ganesh Kumar
5	TH02P16	Encased Stone Column Technology by Starina J. Dias
6	TH04P03	Strength and Hydraulic Stability Enhancement of Sandy Soil Using Biochar-Assisted MICP by Ambuj Kumar Shukla, Anil Kumar Sharma