

**First  
Indian Geotechnical and Geoenvironmental  
Engineering Conference (IGGEC-21)**

Day-1 ( 19th November 2021)

19-Nov-21		Virtual Mode					
Friday		Joining Time					
9:30 - 9:45		Inaugural Ceremony					
9:45 - 10:00		Keynote Lecture I					
10:00 - 10:25		Title: "Benefits and Challenges of Risk Informed Engineering Practice" Dr. Kevin S. Richards U.S. Army Corps of Engineers, USA					
10:25 - 10:50		Keynote Lecture II					
		Title: "Sustainability Assessment of Controlled Low Strength Materials Utilizing Various Industrial Waste Products" Dr. Krishna R. Reddy, Professor, University Scholar & Distinguished Researcher Director, Geotechnical & Geoenvironmental Engineering Laboratory & Sustainable Engineering Research Laboratory Civil, Materials, and Environmental Engineering, University of Illinois at Chicago.					
10:50 - 11:00		Break					
11:00 - 13:00		Technical Session 1			Technical Session 2		
		Chair- Prof. PT Ravichandran Co-Chair- Dr. Jitesh Faculty In-Charge - Dr. S. Rupali			Chair- Prof. R.I. Sharma Co-Chair-Dr. I. Palanisamy Faculty In-Charge - Dr. Kanish Kapoor		
11:00	11:10	GGE/GIE/001	Sudhanshu Sharma	Effect Of Sand Blanket Reinforced With Geogrid Over The Stone Column In Compressible Clay Soils: 3D Numerical Study	GGE/RWM/002	Tanna Manohar	Utilization Of Different Supplementary Cementitious Materials And Recycled Concrete Aggregate For Stabilization Of Pavement Base Layer
11:10	11:20	GGE/GIE/012	Vaibhav Sharma	Influence Of Fine Content On The Strength And Compaction Of The Poorly Graded Soil	GGE/RWM/003	Neelam Singh	Sustainable Uses Of Sewage Sludge As A Construction Material - A Review
11:20	11:30	GGE/GIE/003	Samirsinh Parmar	Experimental And Analytic Study Of The Uplift Capacity Of A Horizontal Plate Anchor Embedded In Geo-Reinforced Sand	GGE/RWM/021	Uddeshya Misra	A Review On Applications Of Steel Slag In Traditional And High Strength Concrete
11:30	11:40	GGE/GIE/006	Rohan M Shinde	Use Of Chitosan Biopolymer And Fly-Ash To Enhance Mechanical Properties Of Soil	GGE/RWM/006	Narinder Verma	Comparative Study Of Internal Curing Techniques For Concrete
11:40	11:50	GGE/GIE/018	Manisha Gunturi	A Study On The Effectiveness On The Polyethylene Strips In Cement Treated Soil	GGE/RWM/007	Ranjeet Sabale	Recycling Of Used Foundry Sand And Fly Ash In Concrete As A Partial Replacement For Conventional Ingredients
11:50	12:00	GGE/GIE/009	Priyanka Saha	Analyze The Behaviour Of Subgrade Soil With Fly Ash And Phosphogypsum As Additive	GGE/RWM/016	Bishnu Kant Shukla	Study On Paving Blocks Using Plastic Waste
12:00	12:10	GGE/GIE/011	Bishnu Kant Shukla	Improvement In Expansive Soil Using Steel And Copper Slag	GGE/RWM/014	Panjuma Kotoky	A Study On Application Of Common Rice Husk Ash In Soil Stabilization Through Geopolymerization
12:10	12:20	GGE/GIE/021	B.Manjula Devi	Evaluation Of Bagasse Ash In Stabilization Of Pavement Sub-Grade.	GGE/SIE/017	Mr.Aditya Ahirwar	Effect Of Addition Of Slag On Engineering Properties Of Clayey Soil
12:20	12:30	GGE/GIE/013	Dr Jitendra Singh Yadav	Evaluation Of Deviator Stress Of Lime-Alcofine Stabilized Fly Ash From Ultrasonic Pulse Wave Velocity	GGE/RWM/015	Alka Shah	Modification Of Engineering Properties Of Soil Using Waste Materials: A Review
12:30	12:40	GGE/RWM/018	Pratik Ranjan Yadav	Potential Of Coconut Shell Powder On Geotechnical Characteristics Of Stabilized Soil	GGE/RWM/017	Bhavita Subhashbhai Dave	Analysis Of Soil-Geocell Interface For Suction Parameter Of An Arid Region Soil
12:40	12:50	GGE/GIE/017	Manisha Gunturi	An Experimental Study On The Effect Of Rbi Grade 81 Additive On The Engineering Properties Of Clayey Soils	GGE/OMG/001	Hitendrabhai S Dewangan	Sustainable Technique To Reduce Sea Pollution During Boring Operation
12:50	13:00	GGE/GIE/020	B.Manjula Devi	Shear Strength Characteristics Of Marble Dust-Lime Stabilized Marine Clay	GGE/RWM/004	Dr. Kanish Kapoor	Review On Fresh And Hardened Properties Of Concrete Incorporating Silica Fume.
13:00 - 15:00		Lunch break					
15:00 - 17:30		Technical Session 3			Technical Session 4		
		Chair- Prof. Purnanand Savoikar Co-Chair- Dr. Vaibhav Sharma Faculty In-Charge - Dr. Davinder Singh			Chair- Prof. K.G Gupta Co-Chair- Dr Jitendra Singh Yadav Faculty In-Charge - Dr. K. Senthil		
15:00	15:10	GGE/SIE/001	Rajat Verma	A Review On Fresh And Mechanical Properties Of Functionally Graded Concrete	GGE/RWM/008	S.Varadharajan	A Review On Influence Of Replacing Industrial Wastes With Fine Aggregate In Concrete
15:10	15:20	GGE/SIE/002	Amit Kumar Dhir	Performance Analysis Of The Sustainable Windows Glazing System For Built Environment	GGE/TG/003	Pratik Jaiswal	Effect Of Resilient Modulus On Inverted Base Pavements – A Theoretical Study
15:20	15:30	GGE/SIE/004	V Sai Neeraja	Experimental Investigation On Fresh Properties And Optimization Of Self Compacting Concrete Reinforced With Waste Plastic	GGE/BG/001	Dr. Uma Chaduvula	Effect Of Fiber Reinforcement On The Direct Tensile Strength Of Fiber Reinforced Black Cotton Soil
15:30	15:40	GGE/SIE/015	Yaksh Kakkar	Utilization Of Agricultural Waste For The Sustainable Production Of Clay Bricks	GGE/FE/002	Dhivya	Design Of A Shoring Pile Wall For The Construction Of A Sewage Treatment Plant At Coonoor, Tamilnadu
15:40	15:50	GGE/SIE/006	Rajul Dwivedi	Experimental Study And Analysis Of The Effect Of Geosynthetic Fibers On The Strength Of Cement Concrete	GGE/BG/002	H.R. Nikhade	Studies On Sugar Cane Bagasse Ash And Blast Furnace Slag Based Geomaterial
15:50	16:00	GGE/SIE/007	Pushpendra Kumar	Construction Sustainability In Indian Perspective- A Review	GGE/RWM/023	Bhupati Kannur	Unconfined Compressive Strength Of Flyash-Soil- Lime- Fiber System
16:00 - 17:00		Break					
17:00	17:10	GGE/SIE/008	Pushpendra Kumar	A Sustainable Outlet For Canal Irrigation System	GGE/BG/003	Madhumita Mohanty	Numerical Modelling Of Coal Mine Overburden Dump Slopes: Developments And Current State-Of-The-Art
17:10	17:20	GGE/SIE/009	Bishnu Kant Shukla	Effect Of Self-Healing Concrete On Modular Structure	GGE/FE/004	Sumalatha J	Analysis Of Bearing Capacity And Settlement From Cone Penetration Test Results At An Irrigation Project
17:20	17:30	GGE/SIE/011	S.Varadharajan	Ann Model For Prediction Of Compressive And Tensile Strength Of Bacterial Concrete	GGE/FE/005	Prince karandeep singh	Ring Foundation- A Critical Review
17:30	17:40	GGE/SIE/012	Jaspreet Singh	Evaluation Of Domestic Wastewater Treatment Plant In Rural Areas	GGE/RWM/009	S.Varadharajan	Utilization Of Flyash In Concrete: A State Of The Art Review
17:40	17:50	GGE/SIE/013	Nirvesh Singh	Evaluation Of Mechanical And Durability Properties Of Concrete Using Metakaolin: A Review	GGE/GIE/016	Razia Sultan	Strength Behaviour Of Dredged Soil Stabilized With Cement And Flyash
17:50	18:00	GGE/SIE/018	Dr. Vidya Nitin Patil	Potential Of Coconut Shell Powder On Geotechnical Characteristics Of Stabilized Soil	GGE/RWM/019	Bhupati Kannur	Multiple Linear Regression Analysis For Predicting Unconfined Compressive Strength Of Fiber Reinforced Fly Ash Stabilized Lateritic Soil
18:00	18:10	GGE/SSI/001	Dr. Vaibhav Sharma	Plate load tests on the ring and circular footings	GGE/SIE/021	Abhishek Sharma	Strength evaluation of Fly ash based geopolymer mortar by using Ground Granulated Blast Furnace Slag and Ordinary Portland Cement
18:10	18:20	GGE/RWM/001	Praveez Alam	Recovery Techniques and LCA involved with Municipal Solid Waste Bottom Ash Treatment: A review	GGE/SIE/016	Kuldeep Sharma	Geotechnical Properties of Copper Slag, Rice Husk Ash Blended With Lime, Cement And Geopolymer- A Comparative Study
18:30 - 18:55		Keynote Lecture III					
		Title: "Landslide site assessment using drones" Prof. (Dr.) L Sebastian Bryson, Hardin-Drnevich-Huang Professor, Joint Appointment in Earth and Environmental Sciences; Director of Graduate Studies, Civil Engineering, University of Kentucky					

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**Day-2 (20th November 2021)**

20-Nov-21							
Saturday				Virtual Mode			
10:15		10:25		Joining Time			
10:25		10:55		Keynote Lecture IV			
				Title: "Transportation Geotechnics" Prof. D.M. Dewaikar (Retd. Emeritus Fellow), IIT Bombay			
11:00		13:00		Technical Session 5		Technical Session 6 Soil Dynamics and Earthquake Engineering	
		Chair- Prof. R.B. Magar Dr. Smita Patil Faculty In-Charge - Dr. Davinder Singh		Chair- Prof. C.H. Solanki Co-Chair- Dr. Rehan Sadique Faculty In-Charge - Dr. K. Senthil			
11:00	11:10	GGE/EG/008	Pawan Kumar	The Potential Of Chrysopogon Zizanioides (L.) Nash In Remediation Of Heavy Metal Contaminated Land - A Review	GGE/CG/001	Deepak Kumar Singh	Consolidation Of Layered Soils With Variable Compressibility
11:10	11:20	GGE/EG/001	Shaid Yousuf	A Narrative Review on Emerging Nanobioremediation towards Enhanced Environmental Sustainability	GGE/CG/002	Sumanta Roy	1D Consolidation Of Silty Clay Subject To Different Ramp Loadings
11:20	11:30	GGE/GIE/008	Prof. Manohar Balasubram	Natural Bioremediation Techniques For Sustainable Ground Improvement And Soil Health. A Conceptual Approach Based On The Principles Of Biomimetics.	GGE/SDE/002	S. Varadharajan	Ann Model For Evaluation Of Seismic Behavior Of Irregular Steel Building Frames
11:30	11:40	GGE/EG/003	Jyoti K C	Climate-Resilient Biogeochemical Cover For Waste Containment Systems	GGE/CG/003	Manish Kumar	Influence Of Burial Depth Of Soil On Reinforced Concrete Tunnel Against The Impact And Blast Loading
11:40	11:50	GGE/EG/004	Vishal Pastapure	Effects Of Open Dumping Of Municipal Solid Waste On Surrounding Soil Characteristics: A Review.	GGE/SSI/002	Chaitra R	Analytical Study On Soil Structure Interaction Of Framed Structure With Isolated Footing Resting On Silty Sand
11:50	12:00	GGE/EG/005	Shweta Ranjan	Analysis Of Landfill Leachate And Contaminated Groundwater: A Review	GGE/SDE/003	Manish Bhutani	Seismic Site Response And Liquefaction Potential For Proposed Underground Parking Site In Saharanpur (U.P.)
12:00	12:10	GGE/EG/006	Mayadrasni Laishram	The Utilization Of Industrial Waste As A Stabilizing Agent	GGE/SSI/003	Pratyusha Bandaru	Simulation Of Load Bearing Capacity Of A Single Pile In A Multi-Layered Soil
12:10	12:20	GGE/EG/010	Dr. Neelam Phougat	Remediation Of Soil Contaminated With Metals	GGE/SSI/004	Nitesh Thakur	Studies On Evaluation Of Effect Of Sloping Ground On Lateral Pile Response: A Brief Review
12:20	12:30	GGE/EG/011	Shaurya Kumar Singh	Performance Evolution And Analytical Approach Of Air Pollution Control System In Al Foundry	GGE/GIE/019	Dr. Vidya Nitin Patil	Plaxis 2D Numerical Analysis Of Encased Stone Column In Soft Clay
12:30	12:40	GGE/OTE/006	Bishnu Kant Shukla	A Comprehensive Review Of Mass Transfer Phenomenon In Gas-Liquid Phase Flow During Aeration In Wastewater Treatment	GGE/GIE/005	Thamkella Vijayarsi	Finite Element Analysis (Fem) Of Geocell Reinforced Pavement In Hilly Terrain
12:40	12:50	GGE/SIE/019	Kamran Ilahi	Future Of Sustainable Landfilling Through Bioreactor Landfills: A Review	GGE/GI/009	Shivani Sanjeev Gour	Predicting Compaction Parameters Of Silty Soil By Nonlinear Multivariable Approach
12:50	13:00	GGE/SIE/003	Minakshi Uchibagde	Strength And Flow Characteristics Of Controlled Low Strength Material By Using Industrial Byproduct	GGE/SDE/001	Nikhil Bhatti	Deterministic Seismic Hazard Analysis For Amritsar, Punjab, India
13:30		15:00		Break			
				Keynote Lecture V Title: "Sustainable Geotechnics" Prof Sivakumar Babu GL, IISc Bangalore			
15:00		15:25		Keynote Lecture V Title: "Estimation of Support Pressure using Numerical Analysis of a Powerhouse Cavern in Anisotropic Rockmass" Prof N K Samadhiya, IIT Roorkee			
15:25		15:50		Keynote Lecture V Title: "Estimation of Support Pressure using Numerical Analysis of a Powerhouse Cavern in Anisotropic Rockmass" Prof N K Samadhiya, IIT Roorkee			
16:00		18:00		Technical Session 7 Transportation Geotechnics		Technical Session 8 Others	
		Chair- Prof. Tripta Goyal Co-Chair- Dr. Rajeev Kumar Faculty In-Charge - Dr. Kanish Kapoor		Chair - Dr. Sanjeev Naval Co-Chair- Dr. Siddharth Mehndiratta Faculty In-Charge - Dr. S. Rupali			
16:00	16:10	GGE/TG/001	Bishnu Kant Shukla	Enhancing The Strength Of Roads By Mixing Shredded Waste Plastic In Proportion With Aggregate And Bitumen	GGE/RE/002	Tejal Karlas Khule	Study Of Arch Formation In Basalt Rock - A Case Study
16:10	16:20	GGE/GI/002	Sanjeev Kumar	Swelling Behavior Of Expansive Soil Reinforced With Geocell And Jute Fibres	GGE/OTE/002	Ashish Choudhary	A Review On Microstructural Properties Of Concrete Incorporating Different Mineral Admixtures
16:20	16:30	GGE/GI/004	Dharmendra Singh	Stabilization Of Black Cotton Soil By Using Rbi (Road Building International) Grade-81 A Review	GGE/OTE/001	Anmol Tyagi	Characterization Of Microsurfacing Mix Design- A Review
16:30	16:40	GGE/TG/002	Mohini Patel	An Experimental Study On The Strength Behaviour Of Black Cotton Soil Stabilized With Industrial Waste Material (Zinc Slag) For Pavement Construction	GGE/RWM/011	Prasad Bishetti	Study On Suitability Of Sawdust As An Alternate For Fine Aggregate In Concrete
16:40	16:50	GGE/GI/001	Dharmendra Singh	Slope Stability Analysis (SSA) Of Highway Embankment By Using Geo5 Software	GGE/OTE/004	Rashmi Pantawane	Evaluation Of Mechanical Properties Of Meta-Kaolin Geo-Polymer Concrete
16:50	17:00	GGE/TG/005	Bishnu Kant Shukla	Identification And Analysis Of Factors Of Delay In Road Construction Projects	GGE/OTE/005	Maurya Suresh Seopal	Assessment Of Effective Shear Strength Parameters In Triaxial Cu Shear Test
17:00	17:10	GGE/TG/006	Mr. Aditya Ahirwar	Effect Of Curing On Strength Of Clayey Soil Stabilized With Marble Dust	GGE/GI/008	Suraj Sukhadev Vankamble	Investigation Of Geotechnical Factors Affecting On Electric Resistivity Of Soil
17:10	17:20	GGE/SIE/020	Bhupati Kannur	Smart Dynamic Concrete As Pavement Material	GGE/GI/005	Nadeem Akhtar	Geotechnical Investigation Of Soil For Construction Of A Court Building
17:20	17:30	GGE/TG/007	B. Manjula Devi	Analysis Of Bagasse Ash With GbS As A Cement Treated Sub-Base	GGE/GI/007	Harshit Srivastava	A Review On Various Geotechnical And Geophysical Investigations For A Dam Rehabilitation Project
17:30	17:40	GGE/GI/011	Aditya Diwakar Ahirwar	Prediction Of Unconfined Compressive Strength Of Clayey Soil Stabilized With Steel Slag And Cement	GGE/GI/006	Sonawane Swati Ganesh	Application Of Electrical Resistivity In Site Investigation At Ground Profile
17:40	17:50	GGE/EG/007	Sudheer Kumar Jala	Performance of geosynthetic encased stone columns in sandwiched solid waste layer at saturation condition	GGE/RWM/010	S. Varadharajan	Use Of Waste Marble Dust And Waste Glass Powder And Bacterial Solution For Manufacture Of Ecofriendly Concrete
17:50	18:00	GGE/OTE/003	Bishnu Kant Shukla	Enhanced Landfill Mining Waste Valorization Techniques: A Methodological Review	GGE/RWM/020	Bhupati Kannur	Prediction Of Unconfined Compressive Strength Of Fly Ash - Soil - Lime - Fiber System Using Multiple Regression Analysis