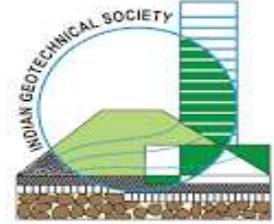


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DEPARTMENT OF CIVIL ENGINEERING
MOTILAL NEHRU NATIONAL INSTITUTE OF TECHNOLOGY ALLAHABAD,
PRAYAGRAJ, INDIA, PIN-211004**



20/10/2022

Keynote Talks

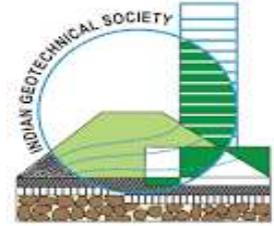
Date	Indian Standard Time (IST)	Name of Speaker
20/10/2022	11:00 AM - 11:50 AM	Dr. Kumar Pallav, Cape Peninsula University of Technology Cape Town, South Africa

SLOT 1 (STRUCTURE)

Parallel Session 1, Indian Standard Time (IST) 12:00 PM

Session Chair				Session Chair
Prof. Rakesh Kumar, MNNIT Allahabad, Prayagraj, India				Dr. Kumar Pallav Cape Peninsula University of Technology Cape Town, South Africa
S No	TIME (IST)	PRESENTER'S NAME	PAPER ID No.	TITLE
1.	12:00 - 2:30 PM	Rohit Maheshwari	20	Comparative Seismic Analysis of G+20 RC Framed Structure for Maximum Displacement with and without Shear Wall
2.		Shanku Mandal	21	Evaluation of wind environment around irregular shaped building in the presence of interfered buildings
3.		Khem Raj Joshi	25	Study of crushed course aggregate extracted from Seti River Bank for the use of Construction Material in Nepal
4.		Debalina Basu Dutta	26	Free Vibration Analysis of Functionally Graded Plates With Cutout
5.		Haiqa Koul	27	Comparison of durability properties of fire kilned bricks and hollow concrete blocks in Kashmir, J&K
6.		Neethu Elizabeth John	52	An investigation on the effect of frequency content of earthquakes on the behaviour of hybrid outrigger system
7.		Shyam Narain Shukla	53	Progressive Collapse Analysis of Performance Based Designed Reinforced Concrete Building
8.		Mr. Kossi Jonas Sama	58	Stochastic response analysis of connected buildings against random earthquake using SMA and yield damper
9.		Varunram C	66	Analytical study on shear response of hollow core slab and behaviour under elevated temperature
10.		Yeswanth Sai T	67	Development of graphene oxide and alccofine reinforcing effects in cement composites
11.		Shreya Jadon	73	Imposed loads in codes of practice and in reality

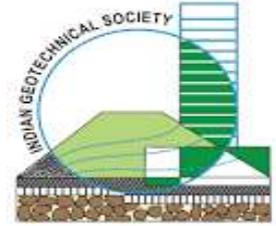
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12.		Kushlendra Lal Kharwar	102	Evaluation of damage to the historical stone structure using the SHM technique - A review
13.		Piyush Tripathi	105	Utilization of water treatment plant waste sludge in a cementitious matrix
14.		Vivek Kumar Yadav	106	Plan irregularity analysis of G+ 9-storey building using response spectrum analysis in STAAD Pro.
15.		Deborah Wadzani Dauda	120	Timber bridges: historical perspectives, recent developments, and future prospects
16.		Aman Kumar	125	Seismic Vulnerability of Buildings Considering Material Characteristics of Different Countries
17.		Shreya Jadon	126	Advances in structural fire engineering design of buildings

20/10/2022				
SLOT 2 (CONCRETE)				
Parallel Session 2, Indian Standard Time (IST) 12:00 PM				
Session Chair			Session Chair	
Dr. P. R. Pal MNNIT Allahabad, Prayagraj, India			Prof. Sunil Kumar Harcourt Butler Technical University Kanpur, India	
S No	TIME (IST)	PRESENTER'S NAME	PAPER ID No.	TITLE
1.	12:00 -2:30 PM	Kunwar Dipendraditya	19	Studies On the Role of Microbes in Microbial Concrete
2.		Abhishek Chanda	35	Compressive Strength of Sustainable Geopolymer Mortar with Calcium Carbide Residue
3.		Krishna Kumar Maurya	61	Condition evaluation of bacterial concrete structure using EMI technique for sustainable environment
4.		V R K Reddy Potamsetti	62	Influence of graphene oxide on static and dynamic characteristics of fly ash based high strength concrete
5.		Shivanjali Rawat	68	Impact on Compressive Strength of Alkali Activated Mortar with gypsum as a replacement of Fly-Ash and GGBS
6.		Selva Ganesh M	78	Influence of assortment treated recycled coarse aggregate and manufactured sand on workability and mechanical properties of sustainable concrete

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7.		Rajesh Kumar	83	Use of low-grade limestone slurry to develop Sustainable low carbon Portland Limestone cementitious material
8.		Arun Singh Chahar	94	Effects of chemical admixtures on the various properties of high performance concrete - A review
9.		Rajesh Kumar	96	Supplementary cementitious materials in low carbon cementitious binders and concrete composites: Fresh and Hardened Properties
10.		Bhaskar Bhatt	109	Utilization of E-waste in Concrete
11.		Dr K. Narasimhulu	113	Optimization of Aggregate Gradation and its effects on properties of Normal Concrete (M20)
12.		Anil Sagar Srinivasa	114	Influence of solid activator on setting time and compressive strength properties of fly ash/slag based one-part geopolymers
13.		Amrendra Singh	129	Performance of Self Compacting Concrete using Dual Fly Ash and Rice Husk Ash in Sulphate Environment

20/10/2022

Keynote Talk

Date	Indian Standard Time (IST)	Name of Speaker
20/10/2022	3:00 PM 3:45 PM	Prof. Akhilesh Kumar Maurya IIT Guwahati

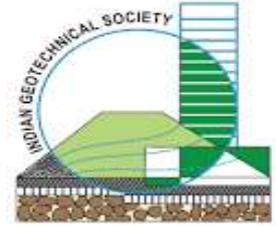
SLOT 1 (TRANSPORTATION ENGINEERING)

Session 2, Indian Standard Time (IST) 3:00 PM

Session Chair	Session Chair
Prof. Akhilesh Kumar Maurya Indian Institute of Technology Guwahati Guwahati, India	Dr. Shaline Shukla MNNIT Allahabad, Prayagraj, India

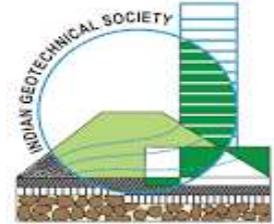
S.	TIME (IST)	PRESENTER'S NAME	PAPER ID	TITLE
1.	3:50-5:00 PM	Dr. Shilpa Pankaj Kewate	88	Investigation on use of Reprocessed Polypropylene in the Manufacturing Process of Paver Block
2.		Manish Singh Kushwaha	107	Use of Waste Material: MIBA, Microsilica and RHA in subgrade road pavement: A Review of Literature
3.		Sophia Kamille Dionisio	111	Localization of transit-oriented development concept to MRT-7 Tandang sora station in providing inclusive

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				transport service
4.		Pratyush Kumar	115	A Study on the Parameters Influencing Accidents rates and crashes affecting Road Safety with focus on Young Drivers
5.		Arijit Kumar Banerji	116	Rutting prediction of flexible pavement using material nonlinearity under moving overloaded axle load
6.		Anjana R Menon	118	Numerical analysis of the time-dependent response of flexible pavements with geogrid and geocell reinforcement
7.		Ajeet	124	Review on Geosynthetics Reinforced Ballasted Rail Tracks
8.		Pradeep Kumar	127	Ferrochrome slag aggregate as a sustainable pavement construction material: A Review

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21/10/2022

Keynote Talks

Date	Indian Standard Time (IST)	Name of Speaker
21/10/2022	11:15 AM - 12:00 PM	Prof. Mahendra Singh Indian Institute of Technology, Roorkee Roorkee-INDIA

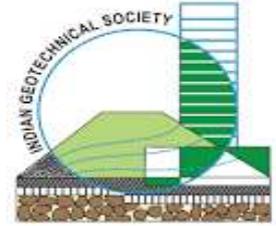
SLOT 1 (GEOTECHNICAL ENGINEERING)

Parallel Session 1, Indian Standard Time (IST) 11:15 AM

Session Chair	Session Chair
Prof. Mahendra Singh Indian Institute of Technology, Roorkee Roorkee-INDIA	Dr. Kumar Venkatesh MNNIT Allahabad, Prayagraj, India

S.	TIME (IST)	PRESENTER'S NAME	PAPER ID	TITLE
1.	12:00 PM-1:30 PM	Ajay S	33	Experimental Study on the Effect of Stabilizer Magnesium Chloride on Soil Curling Phenomenon
2.		Pritam Debnath	34	Effect of Soil Layers on Laterally Loaded Single Cement-Fly Ash-Gravel Pile: A Numerical Study
3.		Rejoice Aleyamma Abraham	36	Evaluation of Soil Curling Phenomena
4.		Amal Mondal	54	The Uplift Capacity of Circular and Square Batter Piles: A Numerical Study By PLAXIS 3D
5.		Sonu Singh	84	Investigation of Aquifer Characteristics for Potential Well Location Using Geophysical Analysis: A Case Study
6.		Soumi Koley	92	A Comparative Study on Consolidation of Clay Using Laboratory Oedometer and Fabricated 3-D Consolidation Apparatus
7.		Peter Albert Mkolwa	95	Effects of Stone Dust on Lime Stabilized Granular Soil
8.		Manoj Kumar Bhowmik	99	An Experimental Analysis of the Uplift Behaviour of A Single Belled Pile Embedded in the Sand

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9.		Lekshmi Chandran	104	Effectiveness of Ground Vibration Isolation using Needle Felt Coir Latex Composite (NFCLC) Barriers: An Experimental Model Study.
10.		Dharmendra Singh	130	Stabilization of Expansive Soil using Terrafirma with Layers of Non-Woven Geotextile for Evaluation of Pavement Construction

21/10/2022

Schedule- Keynote Talks

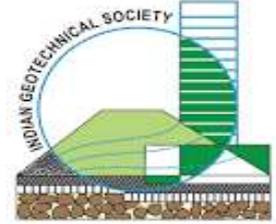
Date	Indian Standard Time (IST)	Name of Speaker
21/10/2022	11:00 AM - 11:50 AM	Mr. Alok Pandey, Senior Consultant

SLOT 1 (OTHERS TOPICS)

Parallel Session 2, Indian Standard Time (IST) 11:00 AM

Session Chair			Session Chair	
Dr. Manohar Yadav MNNIT Allahabad, Prayagraj, India			Dr. Brij Kishor Pandey Birla Institute of Technology & Science, Pilani, Dubai	
S.	TIME (IST)	PRESENTER'S NAME	PAPER ID	TITLE
1.	12:00 PM-1:30 PM	Shubhangi Ashok Shekapure	6	Use of Natural Coagulants for the Removal of Colloidal Particles from Slaughterhouse Wastewater.
2.		Tanmoyee Bhattacharya	17	A data-driven and hydrological modelling framework to understand challenges of satellite and global gauge rain-fall products in mountainous Beas
3.		Raju Sathish Kumar	22	Safety management concepts of an infrastructure project- a live case study
4.		Saurabh Kumar	87	Regression Models of Corrosion Rate of GI Plate in Different Corrosive Environments
5.		Padminee Samal	89	Flood Plan Mapping Using HEC-RAS; A Case Study of Brahmani River Down Stream of Rengali Dam to Jenapur
6.		Praveen Kumar	100	A GIS-based route optimization approach for Municipal solid waste management
7.		Krishna Kumar Singh	103	Box-behnken model to optimize media layer in hybrid constructed wetland for municipal wastewater treatment
8.		Imran Ahmad	121	Application of the central composite design and Taguchi method for the optimization of the electro-

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9.	Amit Kumar	123	Fenton process treatment of Textile industrial dye Performance evaluation of electrochemical Process for the removal of Syntan by using vertical rotating aluminum electrodes
10.	Ravi Prakash Yadav	128	Assessment of site suitability analysis using GIS with AHP for renewable energy in Fatehpur district, Uttar Pradesh (India)
11.	Govinda Jha	134	Peformance of Tuned mass Damper Inerter in Controlling Vobration of Civil Engineering Structures – A Review
