



SRM University, Delhi-NCR

Department of Civil Engineering

International Conference on

Structural Integrity and Interactions of Materials in Civil Engineering Structures (SIIMCES2025)

21-23 May 2025

Presentation Schedule



SRM
UNIVERSITY
DELHI-NCR, SONEPAT

Session ID: A1		Date & Session: 21.05.2025 & AN		Venue: Engg. Block, 5th Floor, Conference Hall.
S.No	Article ID	Presenter's Name	Presenter's Affiliation	Article title
A11	SIIMCES013	Gaurav Sharma	SRM University, Delhi-NCR	Study of fly ash based concrete with nano SiO ₂ particles by non destructive test
A12	SIIMCES016	Siddharth Deswal	SRM University, Delhi-NCR	Finite element analysis of concrete filled steel tube columns under uniaxial and biaxial loading using ABAQUS
A13	SIIMCES053	Nitin Sharma	SRM University, Delhi-NCR	Study of flash based concrete with nano TiO ₂ particles by destructive test
A14	SIIMCES093	Aamir Anwar Nezami	IIT, Kharagpur	Bending and buckling analysis of composites and sandwich plates: A novel higher-order zigzag theory
A15	SIIMCES098	Rajesh Dube	Quest Global Engineering Services Pvt. Ltd., Bangalore	Risk based work selection method for structural anomalies
A16	SIIMCES141	Rishi B. Mathur	Delhi Technological University	Seismic Performance Analysis of Steel Building with Diverse Structural System: A Comparative study
A17	SIIMCES176	Dr. Indu Sharma	SRM University, Delhi-NCR	Assessment of Artificial Intelligence (AI) Techniques for Estimating the Property of Strength of Geopolymers Concrete
A18	SIIMCES177	Rachit Sharma	IIT, Bombay	Interpretable Ensemble Machine Learning Models for Prediction of Shear Strength of Concrete Beams Reinforced with FRP Rebar.
A19	SIIMCES215	Sahil Sehrawat	SRM University, Delhi-NCR	Prediction of Geopolymer Composite Strength Using Soft Computing Techniques
A110	SIIMCES015	Aryan Khatri	SRM University, Delhi-NCR	Study of Flash-Based Concrete with Nano-SiO ₂ Particles by Destructive Test
A111	SIIMCES237	Rishabh Bansal	SRM University, Delhi-NCR	Microstructural study on resistance to chemical attacks and structural integrity of concrete durability with rubber fine aggregates and steel slag
A112	SIIMCES186	Priyanka Rani	SRM University, Delhi-NCR	Wetting-drying durability Test effects on road Project using dam sediment and ash waste: Economical approach



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S.No	Article ID	Presenter's Name	Presenter's Affiliation	Article title
A21	SIIMCES007	Chaitanya	National Institute of Technology, Jalandhar	Reviewing the Properties of Ground Granulated Blast Ash and Recycled Coarse Aggregate in Self Compacting Concrete.
A22	SIIMCES018	M.Seenirajan	Sengunthar Engineering College, Tiruchengode	Performance analysis of Fibre Reinforced Concrete with a binary blend of Steel and Polyester Fibres
A23	SIIMCES085	Dr. R. Murugesan	Nandha Engineering College, Erode.	Effective Utilization of Hypo Sludge, SBR Latex, and Basalt Fiber in Concrete
A24	SIIMCES088	Dr. Md Azhar	Government Engineering College, Khagaria, Bihar	Triaxial Analysis of Jute Geotextile Reinforced Sand
A25	SIIMCES116	B. Selvam	RVS Technical Campus, Coimbatore.	Influence of Rice Husk Ash on the durability of geopolymer concrete under different molarities
A26	SIIMCES120	Nithin A V	College of Engineering Trivandrum, Thiruvananthapuram.	Flexural behaviour of ternary blended ambient cured geopolymer concrete slabs
A27	SIIMCES181	C Raghu Rami Reddy	JNTU, Anantapur, AP	Mechanical and Microstructural Behavior of Foamed Concrete with Polypropylene Fibers and Mineral Admixtures
A28	SIIMCES198	Siddesh KN	National Institute of Technology, Surathkal, Karnataka	Experimental Investigation on Strength Characteristics of Concrete Incorporating Aluminum Dross as Cement Substitute
A29	SIIMCES255	Surya Mouli. R	KSR College of Technology, Namakkal	Experimental Investigation of Natural Starch Internal Curing Agents in High Performance Concrete



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S.No	Article ID	Presenter's Name	Presenter's Affiliation	Article title
B11	SIIMCES064	Blessy Grant C J	Government Engineering College, Erode	Experimental Studies on the Performance of Laced Reinforced Concrete Beam Under Reverse Cyclic Loading
B12	SIIMCES165	Aman Kumar	National Institute of Technology, Allahabad	Evaluation of Soil Amplification Effects on the Seismic Vulnerability of Irregular RC Building
B13	SIIMCES183	C Raghu Rami Reddy	JNTU, Anantapur, AP	Mechanical Performance of Cellular Lightweight Concrete Incorporating Sand, M-Sand, and Copper Slag as Fine Aggregates with Protein-Based Foam and Hybrid Fibers
B14	SIIMCES228	T. Chaitanya Srikrishna	Chaitanya Bharathi Institute of Technology, Hyderabad	Predicting Mechanical Properties of Glass Fiber Concrete Using Response Surface Methodology
B15	SIIMCES234	Dr. Puja Basu Chaudhuri	Heritage Institute of Technology, Kolkata, West Bengal	Mechanical performance of M40 Grade concrete with partial replacement of GGBFS and Silica Fume
B16	SIIMCES239	S.Rajeshkumar	Knowledge Institute of Technology, Salem.	Performance of Rice Husk Ash and Groundnut Shell Ash in Sustainable Concrete
B17	SIIMCES242	Navin Balaji K	KSR College of Technology, Namakkal	Experimental Investigations on light weight self compacting concrete using coconut shell rice husk ash and lime stone powder
B18	SIIMCES259	Akash Priyadarshree	MIT Muzaffarpur, Bihar	Impact of Cement on the Local Soil mixed with Brick Dust
B19	SIIMCES252	Dr. Vikas Kumar	Central University of Haryana.	Performance Evaluation of One-Part Geopolymer Concrete
B110	SIIMCES256	Dr. Arunvivek	Mohan Babu University, Tirupati	Durability Properties of Super Absorbent Polymers and Polyethylene Glycol Added Self Curing Concrete – A State of Art Review
B111	SIIMCES277	Suresh Kumar Verma	Lingaya's Vidyapeeth, Faridabad	Effect of Nano-Al ₂ O ₃ , Nano-Silica, and Nano-CaCO ₃ on the Properties of Cementitious Composites
B112	SIIMCES126	Sidhartha Parida	Easwari Engineering College, Chennai	Development of self compacting concrete by replacing fine aggregate with industrial waste



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B21	SIIMCES001	Kulal Preetham	Gokaraju Rangaraju Institute of Engineering and Technology, Hyderabad	Seismic Response Assessment of Steel Frame Building with X-braced systems considering in different locations of Multi-Storey building
B22	SIIMCES003	Pradhumn Agrawal	National Institute of Technology, Allahabad	Seismic performance of step-back and set-back building resting on hill-slope
B23	SIIMCES020	Nadeem E	National Institute of Technology Calicut.	Seismic response evaluation of RC bridge considering maximum and residual column curvature ductility
B24	SIIMCES046	Abhishek Badalia	National Institute of Technology, Jalandhar	Seismic Performance of RC Frames Retrofitted with Bracing: A Review and Model-Based Evaluation.
B25	SIIMCES051	Abhinand P U	National Institute of Technology Calicut.	Seismic Response Reduction Factor Assessment of 4-Storey Special Steel Moment Resisting Frame
B26	SIIMCES075	Maheshwar Bose	National Institute of Technology, Allahabad	Effect of location and types of bracing on the seismic performance of an unsymmetrical building
B27	SIIMCES096	Alok Kumar	National Institute of Technology, Allahabad	Seismic performance of RC building with FRP reinforced concrete
B28	SIIMCES214	Anil Pradeep Konda	IIT Kharagpur, West Bengal	Comparative Damage Assessment of Castellated Girders
B29	SIIMCES171	Anchal Kaw	Delhi Technological University	Evaluation of Seismic Behavior of Non structural elements in Building.
B210	SIIMCES174	Surabhi Saxena	National Institute of Technology, Allahabad	Seismic Fragility Assessment of a Simply Supported RC Bridge
B211	SIIMCES260	Vivek Kumar C	Gokaraju Rangaraju Institute of Engineering and Technology, Hyderabad	Analytical studies on performance based seismic analysis on cross braced high rise RC framed structure
B212	SIIMCES090	Ashutosh Kumar	Government Engineering College, Khagaria, Bihar	Numerical Analysis of Buried Plate Anchors in Two-Layered soil



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S.No	Article ID	Presenter's Name	Presenter's Affiliation	Article title
C11	SIIMCES113	Gayathiri. B	Government Engineering College, Erode	Experimental Study on Behaviour of Steel Beams Subjected to Impact Loading
C12	SIIMCES117	Deva Kumar M C	Shri Venkateshwara University, Uttar Pradesh	Diagrid System for High Rise Steel Buildings
C13	SIIMCES121	Milena Carolina Derlam	Feevale University, Brazil.	Numerical investigation of the influence of fastening screw spacing in OSB sheathing on the stiffness of shear walls in light steel framing systems
C14	SIIMCES151	Ajisha T T	Government Engineering College, Erode	Non Linear Time history analysis of outrigger braced - core steel frame high rise structure
C15	SIIMCES261	Umeshkumar T. Mourya	IIT, Madras	Experimental investigations on looseness in beam-to-upright connections of CFS steel storage racks
C16	SIIMCES208	Dr Ratnesh Kumar Gupta	National Institute of Advanced Manufacturing Technology, Ranchi	Influence of Phases in the Corrosion Behaviour of F55 Duplex Stainless Steel
C17	SIIMCES199	Varsha S	Amrita Vishwa Vidyapeetham, Chennai	Analysis of Stress Intensity Factors in Semi-Elliptical and Semi-Circular Surface Cracked Plates
C18	SIIMCES083	Smith Abutu Simon John	Federal University of Technology, Nigeria	Comparative Analyses of the Diagonal and Flexural Cracks of UHPFRC-CA Beam Subjected to Shear Loading
C19	SIIMCES070	Chaitra Shree V	Sri Siddharth Institute of Technology, Tumakuru	Behaviour of masonry wall under combined compression and shear loading: 3D failure analysis
C110	SIIMCES112	Oberoï Kabrambam	National Institute of Technology, Manipur	Numerical investigation of 4-point bend test of thin-walled regular hexagonal CFST beam
C111	SIIMCES066	Sakthikumar P	Erode Sengunthar Engineering College, Erode	Failure Investigation of Single bolt Glass Fiber Reinforced Polymer Angle member with Gusset Plate under tensile loads
C112	SIIMCES265	Karthikeyan	Chennai Institute of Technology, Chennai	Structural Assessment of Rubberized Concrete Beams with Fibre Reinforcements



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S.No	Article ID	Presenter's Name	Presenter's Affiliation	Article title
C21	SIIMCES091	Mummadi Anji Reddy	VNR Vignana Jyothi Institute of Engineering and Technology, Hyderabad	Loosened Bolt detection in Steel joints using Deep Learning Techniques
C22	SIIMCES010	R.S.Soundariya	Bannari Amman Institute of Technology,	Enhancing Concrete Properties through Supplementary Cementitious Materials and Predictive Modeling
C23	SIIMCES028	Dr. Anand Gaurav	ITM SLS Baroda University, Gujarat	Predicting Residual Strength in Pultruded FRP Bars Exposed to Moisture Conditions Using Machine Learning Regressors and Materials Informatics
C24	SIIMCES092	Abdul Musavvir A	Easwari Engineering College, Chennai	Predictive modelling for the material optimization of high strength concrete using ML
C25	SIIMCES128	Santhosh Kumar N V	Easwari Engineering College, Chennai	Machine Learning based compressive strength prediction model for lime mortar using supervised learning algorithms
C26	SIIMCES152	Bagathi Harsha Vardhan, A.. Rahul, K. Satwik	VNR Vignana Jyothi Institute of Engineering and Technology, Hyderabad	Corrosion Assessment Using Image Based Deep Learning
C27	SIIMCES167	N.Vignesh Kumar	Mizoram University, Mizoram	Compressive Strength Prediction of FRP Confined Concrete Using Machine Learning Based Models
C28	SIIMCES175	Panugalla Rama Rao	VNR Vignana Jyothi Institute of Engineering and Technology, Hyderabad	Machine Learning-Based Prediction of Concrete Compressive Strength Incorporating GGBS
C29	SIIMCES178	T Ramya	National Institute of Ocean Technology, Chennai	Structural Health Monitoring of Cold Water Pipeline in Desalination Plants Using Fiber Bragg Grating Sensor
C210	SIIMCES192	Maheshwari Sonker	National Institute of Technology, Allahabad	Advanced EMI-Based Evaluation of Structural Damage in Composite Fibre Concrete with Integrated Piezoelectric Sensors
C211	SIIMCES248	Dr.K.Vijaya Sundravel	KS Rangasamy College of Technology, Namakkal	Experimental Investigation on Bacterial Concrete with Zeolite for Structural Health Monitoring Applications
C212	SIIMCES264	Mr.Dharshan V	SRM Institute of Science and Technology, Kattankulathur	Integrating A BIM-Based Approach to the Planning, Analysis, and Sustainable Design for a Modern Hospital Building



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S.No	Article ID	Presenter's Name	Presenter's Affiliation	Article title
D11	SIIMCES257	Ashwathi R	Bannari Amman Institute of Technology, Sathyamangalam	Leveraging marble powder for enhanced structural performance and mitigation of carbon emission in concrete
D12	SIIMCES258	Shashikant Kumar	Muzaffarpur Institute of Technology, Muzaffarpur	Influence of High-Volume Fly Ash and Silica Fume on the Behaviour of Self-Compacting Concrete
D13	SIIMCES274	Harsha Sai	KL Education Foundation (Deemed to be University), Guntur	Evaluation of Hybrid Fiber Reinforcement and Fly Ash Substitution on the Performance of M40 Grade Concrete
D14	SIIMCES275	Rakesh Kumar	Sandip University, Nashik	Partial Replacement of Fine Aggregate with Saw Dust in Concrete
D15	SIIMCES074	Gade Gayathri Devi	VNR Vignana Jyothi Institute of Engineering and Technology, Hyderabad	Turning waste to value added-concrete with waste plastic as fine aggregate
D16	SIIMCES008	Kabilan B.V.	Easwari Engineering College, Chennai	Experimental investigation of pet integrated geopolymer concrete
D17	SIIMCES217	Dr.P Saravanakumar	Sri Krishna College of Engineering and Technology, Coimbatore.	Investigating the Effectiveness of Different Shear Reinforcement Configurations on the Shear and Flexural Behaviour of RCC Beams
D18	SIIMCES251	Dr.G.K. Arunvivek	Mohan Babu University, Tirupati	Influence of Cenosphere on Mechanical Properties and Rheological Behavior of Portland Cement
D19	SIIMCES243	Ragupathi V	KSR College of Technology, Namakkal	Performance of Sustainable Concrete Incorporating Bagasse Ash, Foundry Sand, And Steel Fibres
D110	SIIMCES244	Sreegovind M	Amrita Vishwa Vidyapeetham, Coimbatore	Thermal Performance of Cement Mortar Incorporating Expanded Vermiculite as Partial Fine Aggregate Substitute
D111	SIIMCES087	Shreya Singh	Delhi Technological University	Evaluating the Engineering Properties of Lime Mortar Enhanced with Sticky Rice



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D21	SIIMCES084	Smith Abutu Simon John	Federal University of Technology, Nigeria	Analyses of Shear Capacity Equations for UHPFRC Beams
D22	SIIMCES026	Charumathi Manickam	Crescent University, Chennai	Role of eco-friendly materials for sustainable drainage system – a review
D23	SIIMCES158	Anubhav Kumar Singh	National Institute of Technology, Allahabad	Performance of Electro-Mechanical Impedance Technique for Detection of Moderate and Severe Damages
D24	SIIMCES159	Arpit Singh	National Institute of Technology, Allahabad	Evaluation of threshold level of change in impedance signature for incipient, moderate and severe damages in structural system
D25	SIIMCES164	Kavitha E	Sengunthar Engineering College, Tiruchengode.	Performance of Eco-Sustainable Geopolymer Mortar with Neem Fibre
D26	SIIMCES172	Jaiyash Jaiswal	National Institute of Technology, Allahabad	Effect of Cable stiffness on the responses of a cable stayed bridge
D27	SIIMCES179	Arijit Banik	Tripura Institute of Technology, Tripura.	Effect of Floor Area Ratio Reduction on the Fundamental Period of RC Buildings on Flat and Sloped Terrains
D28	SIIMCES250	Abhijeet Singh	Amity University, Noida, Uttar Pradesh.	Performance Evaluation of Concrete with Varying Proportions of Marble Dust as Partial Cement Substitute
D29	SIIMCES231	K. Harishankar	Velammal College of Engineering and Technology, Madurai.	Performance evaluation of banana, coir, and jute fiber reinforced epoxy composites for sustainable construction applications
D210	SIIMCES238	Sedhurajan C	K.S.Rangasamy College of Technology	Assessing the Strength, Characteristics of Geopolymer Aggregate using Bottom Ash
D211	SIIMCES249	Dr.G.K.Arunvivek	Mohan babu university, Tirupati	Experimental Investigation on Utilizing Treated Dyeing Effluent in Utility Blocks



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E11	SIIMCES094	Maahira M	Easwari Engineering College, Chennai	Manufacture of artificial aggregates using alkaline solution at different curing temperature and studying their properties in concrete
E12	SIIMCES095	Vignesh M	Vellore Institute of Technology, Chennai.	Sustainable Unburnt Bricks Manufactured Using Construction Demolition and Industrial Wastes
E13	SIIMCES108	Hariharan.K	Kamaraj College of Engineering and Technology, Madurai.	Sustainable Geopolymer Paver Block Using Waste Foundry Sand
E14	SIIMCES130	Dr.Greesan Ramanathan	Chendhuran College of Engineering & Technology, Chennai.	An Analysis of phase change materials (PCM) for eco-friendly and energy-efficient buildings
E15	SIIMCES230	Saurav Kar	Heritage Institute of Technology, Kolkata, West Bengal	Statistical interpretation of strength data for High volume fly ash concrete – a new mix proportioning technique
E16	SIIMCES012	Ravi Malik	SRM University, Delhi-NCR, Sonapat	An assessment of the mechanical and durability capabilities of geopolymer concrete
E17	SIIMCES071	Lingeshkumar P	Erode Sengunthar Engineering College, Erode	Experimental Investigation on Mechanical Properties of Cenosphere Based Concrete
E18	Reserved			
E19	Reserved			
E110	Reserved			