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## Specialization: Transportation Engineering

S. No.	Date	Session No	Time Slot	Best Paper	Best Presentation
1	Day- 01 14.05.2025	1 (Offline)	03:00 pm to 05:30 pm	<b>Paper id: 110</b> <b>Paper title:-</b> Development of a CatBoost-Based Predictive Model for Estimating the Compressive Strength of Waste Plastic–Doped Concrete. <b>Authors:-</b> Sameer sen, Anish Kumar, Prof. Sanjeev Sinha	<b>Paper id: 60</b> <b>Paper title:-</b> A Data-Driven Approach to Car Speed Prediction on Reverse Horizontal Curves <b>Authors:-</b> Nikhil Kumar Suman and Dr. Satyajit Mondal
2	Day- 02 15.05.2025	2 (Online)	09:00 am to 10:30 am	<b>Paper id: 184</b> <b>Paper title:-</b> Chemical Rheological and Life Cycle analysis of cashew nut shell bio oil as a rejuvenator for Oxidized Binder <b>Authors:-</b> Ankit Yogaj Biswal, Prof. P Venkateswara Rao	
3		3 (Offline)	11:00 am to 12:30 pm	<b>Paper id: 206</b> <b>Paper title:-</b> Evaluating the Suitability of Fine EAF Steel Slag as a Sustainable Fine Aggregate in Roller-Compacted Concrete Pavement Containing Fly Ash: A Case Study from the Wainganga River Basin <b>Authors:-</b> Vaibhav Vilasrao Butle, D Sitarami Reddy, Srinivasan V, Saroj Kumar	<b>Paper id: 46 &amp; 82</b> <b>Paper title:-</b> Development of Real-World Driving Cycles Using Micro-Trip Segmentation for Passenger Cars <b>Authors:-</b> Sandeep Kumar, Satyajit Mondal, and Ankit Gupta <b>Paper title:-</b> Role of Accessibility and Transfer Environment in Improving Transfer Facilities and Commuters' Satisfaction at Railway Stations: A Brief Literature Review <b>Authors:-</b> Sonu Kumar, Prof. Sanjeev Sinha
4	Day- 03 16.05.2025	4 (Online)	09:00 am to 10:30 am	<b>Paper id: 73</b> <b>Paper title:-</b> Proactive Road Safety Assessment for Rural Highways in Developing Countries via Surrogate Conflict Analysis <b>Authors:-</b> Loknath Kumar, Rajesh Ranjan & Sanjeev Sinha	<b>Paper id: 91</b> <b>Paper title:-</b> Real-Time Ambulance Booking and Management System for Urban Emergency Response <b>Authors:-</b> Shreya Chakote, Vanshika Khandelwal, Anish Shaw, Tanish S, Prapulla S B, and Dr Anjaneya G
				Mechanical Recycling of thermoset culcanised rubber tyres with the help of Naturally occurring resins <b>Authors:-</b> Jivan Jyoti, Prof. Baboo Rai & Sonu Kumar	Reliability analysis of Isolated square footing using machine learning <b>Authors:-</b> Shubham Shahi, Prof. Baboo Rai & Prof. Pijush Samui
5	16.05.2025	5 (Online)	09:00 am to 10:30 am	<b>Paper Id = 14 &amp; 154</b> <b>Paper Title:</b> Fire-Resistance Behaviour Of Rubberized Concrete Mixed With Nano-Silica <b>Authors:-</b> Gyanendra Kumar Chaturvedy, Govind Mohan & Umesh Kumar Pandey and <b>Paper Title:</b> Experimental And Numerical Study On Stress-Strain Behaviour Of Alccofine Blended Self-Compacting Concrete Under Uniaxial Compression <b>Authors:-</b> Md Shaquib, Dr. Mohit Gupta & Mukul Attri	<b>Paper Id = 119</b> Flexural And Impact Behavior Of Unreinforced And Surface Reinforced Brick Masonry Panels For Alternate Roofing Solution <b>Authors:-</b> Yashaswi N & Inchara K S, Vikas Mendi & Somanath M Basutkar
6		6 (Online)	11:45 pm to 01:00 pm	<b>Paper Id = 55</b> Assessment of blasting due to LPG gas <b>Authors:-</b> Sagar, Himanshu Yadav & Dr. Amrit Kumar Roy	<b>Paper Id = 177 &amp; 205</b> Behaviour of concrete under elevated temperature and fire exposure <b>Authors:-</b> Anish Kumar; Dr. Mohit Gupta & Mukul Attri & <i>Hydrogel-modified fibers in concrete: a review of mechanisms, applications, and future prospects</i> <b>Authors:-</b> Vinitha Jenifer

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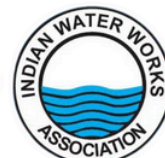
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## **SESSIONWISE RESULT CARD of ISCESTI – 2025**

### **Specialization: Geotechnical Engineering**

S. No.	Date	Session No	Time Slot	Best Paper	Best Presentation
1	Day- 01 14.05.2025	1 (Offline)	03:00 pm to 05:30 pm	<b>Paper id: 32</b> <b>Paper title:-</b> Rainfall-induced Transient Soil slope stability analysis using PLAXIS <b>Authors:-</b> Panchanand Kumar, Dr. Avijit Burman	<b>Paper id: 72</b> <b>Paper title:-</b> Hybrid neural network based smart paradigm for swell pressure estimation of expansive soils <b>Authors:-</b> Divesh Ranjan Kumar, Manish Kumar, Warit Wipulanusa
2	Day- 02 15.05.2025	2 (Online)	09:00 am to 10:30 am	<b>Paper id: 86</b> <b>Paper title:-</b> Mechanical and Microstructural Performance of Jute-Reinforced LC3-Stabilized Rammed Earth Blocks <b>Authors:-</b> Randeep, Sanjay Srivastava, V Soamidas	<b>Paper id: 18</b> <b>Paper title:-</b> Impact of Blasting Activities on Ground Vibrations: Insights from Micromate Measurements in Limestone Mining. <b>Authors:-</b> Gollapalli Sandhya Rani, Dr. Chepuri Akhilesh, Prof. Vedala Rama Sastry
3		3 (Offline)	11:00 am to 12:30 pm	<b>Paper id: 198</b> <b>Paper title:-</b> Machine Learning Models for the Soil Liquefaction Prediction using Cone Penetration Dataset <b>Authors:-</b> Kishan Kumar, Sufi Md. Gulzar, Furquan Ahmad, Pijush Samui	<b>Paper id: 97</b> <b>Paper title:-</b> Calcite Distribution Profile in a Porous Media Governed by Microbial Induced Calcite Precipitation (MICP) process <b>Authors:-</b> Dinesh kumar, Ambuj Kumar Shukla, Purushotam Kumar Gautam , Anil Kumar Sharma
4	Day- 03			--	--
5	16.05.2025	4 (Online)	11:45 pm to 01:00 pm	<b>Paper id: 182</b> <b>Paper title:-</b> ADVANCING RICE YIELD FORECASTING TECHNIQUES IN VIETNAM <b>Authors:-</b> Vishnu K P	<b>Paper id: 49</b> <b>Paper title:-</b> Experimental & Analytical Study of Helical Anchor & Square Plate Anchor in Cohesionless Soil has been provisionally accepted for the oral Presentation <b>Authors:-</b> Rushikesh Ravindra Badnakhe

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## **SESSIONWISE RESULT CARD of ISCESTI – 2025**

### **Specialization: Water Resource Engineering**

S. No.	Date	Session No	Time Slot	Best Paper	Best Presentation
1	Day- 01 14.05.2025	1 (Offline)	03:00 pm to 05:30 pm	<b>Paper id: 78</b> <b>Paper title:-</b> Prediction of Scour Depth around Bridge Pier using HEC-RAS <b>Authors:-</b> Kandakatla Rahul , Bhineswar Brahmachari, B S Das and S K Singh	<b>Paper id: 05</b> <b>Paper title:-</b> Strategies to improve flood resilience in Kosi River basin of Northern Bihar  <b>Authors:-</b> Sonu kumar, Sutapa Das
2	Day- 02 15.05.2025	2 (Online)	09:00 am to 10:30 am	<b>Paper id: 28</b> <b>Paper title:-</b> Numerical Simulation of Local Scour around a Circular Bridge Pier <b>Authors:-</b> A Lalitha, E Sahithi, Jnana Ranjan Khuntia, Kamalini Devi, Bhabani Shankar Das	<b>Paper id: 100</b> <b>Paper title:-</b> Comparative Analysis of Machine Learning Models for Water Level Prediction in the Gandak River Basin <b>Authors:-</b> Rahul Prakash, Joseph Tripura
3		3 (Offline)	11:00 am to 12:30 pm	<b>Paper id: 211</b> <b>Paper title:-</b> Water availability assessment at selected sites of Falgu River in upper catchment in Bihar  <b>Authors:-</b> Minotshing Maza, Scientist C, NIH Patna	<b>Paper id: 213 &amp; 161</b> <b>Paper title:-</b> Shifting analysis of a river in Tarai region using spatio-temporal satellite imageries <b>Authors:-</b> Shubham Shaurabh , Pankaj Mani, J. P. Patra, NIH Patna & <b>Paper title:-</b> Study of flow separation zone in OCF at different confluence angle using CFD model <b>Authors:-</b> Naveen Kumar
4	Day- 03 16.05.2025	4 (Online)	09:00 am to 10:30 am	<b>Paper id: 80 &amp; 144</b> <b>Paper title:-</b> HYDRO DYNAMIC ANALYSIS OF RACEWAY POND USING k-ε AND k-ω TURBULENCE MODEL <b>Authors:-</b> Sweetly Rajput, Dr. B.S Das, Dr. A K Sharma	<b>Paper id: 142</b> <b>Paper title:-</b> A MACHINE LEARNING APPROACH TO ASSESS THE SUITABILITY OF MODELS FOR RUNOFF FORECASTING <b>Authors:-</b> Ankit Ranjan, Vikram Bharti,
				<b>Paper title:-</b> A Comprehensive Analysis of the Ken-Betwa River Interlinking Project using WEAP: Assessing its Impact on Bundelkhand's Water Challenges <b>Authors:-</b> Boini Thirupathi, Shaik Afrooz, Bhukya Aaksh	Roshni Thendiyath
5		5 (Online)	11:45 pm to 01:00 pm	<b>Paper id: 190 and 139</b> <b>Paper title:-</b> Reduction of the flow separation at channel confluence using a bed sill <b>Authors:-</b> Shashank Sandilya & <b>Paper title:-</b> Two Decadal Snow Cover Area variation of Beas River Basin with the help of Cloud Computing <b>Authors:-</b> Chander Kant, Dues Micheal, Dr. Ray Singh Meena	<b>Paper id: 127</b> <b>Paper title:-</b> Effect of Varying Cross-Section Profile on Flood Inundation Modeling in HEC-RAS: A Case Study of Bhima River, India <b>Authors:-</b> Aniket Sharma, Vikas Kumar Vidyarthi, Priyanka Choudhury, Shikha Chourasiya

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## **SESSIONWISE RESULT CARD of ISCESTI – 2025**

### **Specialization: Environmental Engineering**

S. No.	Date	Session No	Time Slot	Best Paper	Best Presentation
1	Day- 01 14.05.2025	1 (Offline)	03:00 pm to 05:30 pm	<b>Paper id: 62</b> <b>Paper title:-</b> Artificial intelligence-based groundwater fluoride prediction and comparison of different machine learning algorithms <b>Authors:-</b> Suraj Kumar, Abhishek Kumar Mishra, Jitendra Kumar, Prof N S Maurya	<b>Paper id: 96</b> <b>Paper title:-</b> An assessment of the efforts to clean the river Ganga <b>Authors:-</b> Saumyasib Mukhopadhyay, Dr. N. S Maurya
2	Day- 02 15.05.2025	2 (Online)	09:00 am to 10:30 am	<b>Paper id: 197</b> <b>Paper title:-</b> Batch reactor studies for bio-hydrogen Production and optimization from organic wastes using microbial consortium <b>Authors:-</b> Kavya Alikana, Prof.P. Venkateswara Rao	<b>Paper id: 153</b> <b>Paper title:-</b> TREATMENT OF WASTEWATER USING AQUATIC PLANTS  <b>Authors:-</b> Gaurav Tiwary, Abhishek Kumar Mishra, Dr. Nityanand Singh Maurya
3		3 (Offline)	11:00 am to 12:30 pm	<b>Paper id: 165</b> <b>Paper title:-</b> Artificial Intelligence-Based Groundwater Fluoride Prediction: A Comparative Machine Learning Study Using CPCB Data <b>Authors:-</b> Himanshu Bharti, Nitish Kumar, Aalok Arun, Suraj Kumar, Abhishek Kr Mishra, Dr. N S Maurya	<b>Paper id: 39</b> <b>Paper title:-</b> Spatiotemporal Analysis and Forecasting of NO <sub>2</sub> Pollution over Dhanbad Using Sentinel-5P and Deep Learning Approaches  <b>Authors:-</b> Raj Narayan Yadava, Aditya Kumar Thakur
		4 (offline)		<b>Paper id: 172</b> <b>Paper title:-</b> Toward a Circular Economy: A Review of the Evolution of Extended Producer Responsibility (EPR) Provisions in India's E-Waste Management Policies <b>Authors:-</b> Avaneesh Yadav, Dr. Jyoti Prakash	<b>Paper id: 185</b> <b>Paper title:-</b> Integrating Remote Sensing with Google Earth Engine to Model LST-NDWI Relationships in Patna District.  <b>Authors:-</b> Shipra Verma, Dr. Ajay Kumar
4	Day- 03 16.05.2025	5 (online)	09:00 am to 10:30 am	Singh, Dr. Nityanand Singh Maurya <b>Paper id: 173</b> <b>Paper title:-</b> Treatment of Anaerobically Digested Rice Grain Based Distillery Effluent Using Electrocoagulation: Process Optimization and Performance Evaluation  <b>Authors:-</b> VINAY VIVEK, Ajey Kumar Patel & Dr. P. Venkateswara Rao	<b>Paper id: 131</b> <b>Paper title:-</b> Evaluation of Groundwater Contamination in the Vicinity Area of Sarai Municipal Solid Waste Dumping Site, Haridwar District, Uttarakhand  <b>Authors:-</b> Sonali Aswal, Dr. Nitin Kamboj, Dr. Kalzang Chhoden, Suraj Kumar
6		6 (offline)	11:45 pm to 01:00 pm	<b>Paper id: 222</b> <b>Paper title:-</b> Analysis of Mitigation Strategies for Sustainable E-waste Management in the Context of Circular Economy <b>Authors:-</b> Varun Kumar, Dr. Om Ji Shukla, Abhishek Kashyap	<b>Paper id: 158</b> <b>Paper title:-</b> A Comprehensive Review of Bio-Toilet Systems in Indian Railways <b>Authors:-</b> Jay Kumar, Abhishek Kumar Mishra, Suraj Kumar, Dr. Nityanand Singh Maurya

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