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| National Conference on Recent Advances in Civil and Environmental Engineering–2026 (RACEE-2026) | | | |
| Department of Civil and Environmental Engineering, BIT Mesra | | | |
| 24 - 25 March 2026 | | | |
| Day 1, Session 1; Venue: CAT Hall | | | |
| Registration and Kit Distribution: 8:30 AM – 9:30 AM | | | |
| Inaugural Session | 9:30 AM - 10:00 AM | | |
| Hi-Tea (10:00-10:15 AM) | | | |
| Keynote Speaker 1 | Prof. Vasant Matsagar Professor & Head Department of Civil Engineering Indian Institute of Technology Delhi (IIT Delhi) New Delhi, India | 10:15 AM - 11:00 AM | |
| Keynote Speaker 2 | Dr. Kalachand Sain Senior Scientist, CSIR National Geophysical Research Institute, Hyderabad | 11:00 AM - 11:45 AM | |
| Online Paper Presentation (11:45 AM – 12:30 PM) Session Chair: Dr. Kalachand Sain Coordinator: Dr. Anupam Das | PAPER ID | Name of the Paper | Presenting Author |
| | RACEE/2026/ML/1001 | Evolution of Data-Driven Flood Risk Assessment and Prediction Techniques | Nishi Gupta |
| | RACEE/2026/ML/1003 | Advancement of data-driven structural design and optimization | Tooba Ali |
| | RACEE/2026/SE/1001 | Comparative Study of RC Column With RC Jacketing And FRP Jacketing. | Miss. Rasika Raju Varak |
| | RACEE/2026/EE/1001 | A Comprehensive Review of Seismic Retrofitting of Steel Frames Using Bracing Systems | Samruddhi Siddhnath Basagare |
| Lunch, IGH 12:30 PM – 1:45 PM | | | |

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| 24 - 25 March 2026 | | | |
| Day 1 Session 2 | | | |
| Plenary Lecture 1 | Prof. Sarat K. Das Professor Department of Civil Engineering Indian Institute of Technology (ISM) Dhanbad Dhanbad, Jharkhand, India | R & D Building, Seminar Hall 2 | 1:45 PM - 2:30 PM |
| Poster Presentation, R&D Building, Seminar Hall 2 (02:30 PM – 3:30 PM) Session Chair: Dr. Swagata Payra, Dr. Rajan Chandra Sinha Coordinator: Dr. Neeta Kumari | RACEE/2026/EC/1002 | Spatial Distribution of Microplastics in Relation to Water Quality in Kanpur Stretch of the Ganga River | Bijay Shankar |
| | RACEE/2026/EC/1006 | Occurrence and Interaction of Microplastics and Toxic Metals in Soils Influenced by Informal Electronic Waste Recycling | Shaheen Hasan Dawan |
| | RACEE/2026/EC/1007 | Electrocoagulation Treatment of Municipal Wastewater for Microplastic Removal | Reema Sahu |
| | RACEE/2026/EC/1011 | Microplastics As Carriers of Heavy Metals: Implications for Environmental and Human Health: A Review | Krishna Pada Gorai |
| | RACEE/2026/EP/1006 | Festival-Driven Microplastic in a drinking water reservoir | Anushree Pal |
| | RACEE/2026/EP/1007 | Source Identification and Transport pathways of PM10 sources using PMF and HYSPLIT Trajectory analysis | Neha Bandna Barla |
| | RACEE/2026/GE/1001 | Impact of Municipal Solid Waste Dumping on Soil Geotechnical Properties and Redevelopment Potential | Shouvik Das |
| | RACEE/2026/GMGB/1004 | Sustainable Utilisation of Quarry Stone Dust In Concrete: Mechanical And Durability Assessment | Pramendra Kumar |
| | RACEE/2026/PRT/1003 | Bagasse Biochar as an Adsorbent for Phenol Removal from River Water | Saman Nigar |
| | RACEE/2026/SD/1002 | Development of Antioxidant-Loaded Composite Scaffold for Soft Tissue Repair | Sakshi Toppo |
| RACEE/2026/SD/1003 | Harnessing Microbes for Decolorization of Trypan Blue Dye | Anjali Mishra | |
| Tea Break (3:30 PM-3:45 PM) | | | |
| Oral Presentation (3:45 PM – 5:45 PM) – Parallel Session 2 Venue: R&D Building, Seminar Hall 1 (8 minutes for presentation followed by 2 minutes of Q&A) Session Chair: Dr. Lakhbir Singh Brar Coordinators: Dr. Jawed Iqbal, Dr. Saptarshi Lahiri | RACEE/2026/SE/1002 | Reliability of RC Bridges under Climate-Driven Corrosion-Fatigue and Maintenance Effects | Shivang Shekhar |
| | RACEE/2026/SE/1004 | Advances in light weight concrete for building construction | Vageesha Jha |
| | RACEE/2026/EE/1002 | Assessment of the Effect of Base Isolation on Closely Spaced Multi-Degree-of-Freedom Buildings Subjected to Seismic Pounding | Govinda Rukmangat Shinde |
| | RACEE/2026/EE/1003 | Comparative seismic analysis of a steel warehouse based on IS 1893: 2016 and the revised IS 1893: 2025 | Tomi Nyodu |
| Oral Presentation (3:45 PM – 5:45 PM) – Parallel Session 2 Venue: R&D Building, Seminar Hall 2 (8 minutes for presentation followed by 2 minutes of Q&A) Session Chair: Prof. Bindhu Lal Coordinator: Dr. Anupam Das | RACEE/2026/GE/1002 | Restoration of a Long-Standing Partially Failed Pit Slope Located Along the Mine Boundary: A Comprehensive Case Study in an Opencast Iron Ore Mine | Falguni Sarkar |
| | RACEE/2026/TE/1002 | Evaluation of Filler Effects in Warm Mix Asphalt Utilizing Steel Slag and Aggregates | Sarbapratyush Ranjan Nayak |
| | RACEE/2026/GMGB/1001 | Performance Evaluation of Fly Ash Self-Compacting Mortar Under Corrosive Conditions | Md Marghoobul Haque |
| | RACEE/2026/GMGB/1002 | Performance of Fly Ash Mortar for Masonry Applications | Soumyaranjan Panda |
| | RACEE/2026/GMGB/1003 | Energy efficiency improvement through ECSBC code compliance for a low-rise Residential building: A case study | Sharukh Khan |
| | RACEE/2026/GMGB/1006 | 3D food printing a challenge to new solution for edible and eco-friendly cutlery | Pawan Kumar Tiwari |
| | RACEE/2026/GMGB/1005 | Experimental Investigation of Bamcrete Panel Behavior Under Different Loading Phenomena | Ashish Kumar Dash |
| Cultural Event (6:00 PM – 7:00 PM), Seminar Hall 2 | | | |
| Gala Dinner, IGH (7:00 PM – 9:00 PM) | | | |

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Day 2 Session 1

Venue: R & D Building

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| Plenary Lecture 2 | Prof. C. S. P. Ojha Professor Department of Civil Engineering Indian Institute of Technology Roorkee (IIT Roorkee) Roorkee, Uttarakhand, India | Seminar Hall 2 | 10:00 AM - 10:45 AM |
| Tea Break (10:45 AM - 11:00 AM) | | | |
| Plenary Lecture 3 | Prof. Jayanta K. Biswas Professor & Former Head, Department of Ecological Studies University of Kalyani, Kalyani, West Bengal, India | Seminar Hall 2 | 11:00 AM - 11:45 AM |
| | PAPER ID | Name of the Paper | Presenting Author |
| Oral Presentation (11:45 AM – 1:00 PM) — Parallel Session 3 Venue: R&D Building, Seminar Hall 1 (8 minutes for presentation followed by 2 minutes of Q&A) Session Chair: Prof. Jayanta Kumar Biswas Coordinator: Dr. Prodip Kr. Sarkar | RACEE/2026/EC/1005 | A Comprehensive Review Of The Fate Of Emerging Contaminants In Wastewater Treatment | Anshu Kumari |
| | RACEE/2026/EC/1009 | Biochemical Responses of Plants to Microplastic-Induced Soil Contamination | Akanksha kumari |
| | RACEE/2026/EP/1001 | IoT-Based Air Quality Monitoring & Alert System | Ankita Rai, Dr V.Narasiman, Rakesh Kumar, Prince Kumar, Neelesh Verma |
| | RACEE/2026/EP/1003 | Assessment of Physical and Chemical Properties of Sediments in Haldia Chaur, located in Saran district, Bihar. | Khushi Raj |
| | RACEE/2026/EP/1004 | Assessment of Surface Water Quality through Physico chemical parameters in Haldia Chaur Saran district North Bihar India | Shreyashi Ranjan |
| | RACEE/2026/EP/1005 | Assessment of trace metal concentration and geochemical parameters in surface sediment of Gokul wetland (Ramsar site), Buxar, Bihar, India | Megha Kumari |
| Oral Presentation (11:45 AM – 1:00 PM) — Parallel Session 3 Venue: R&D Building, Seminar Hall 2 (8 minutes for presentation followed by 2 minutes of Q&A) Session Chair: Prof. C. S. P. Ojha Coordinator: Dr. Ashes Banerjee | RACEE/2026/WRE/1002 | Experimental Investigation of Granular Flow in a Rectangular Silo with Friction Wall and Different Eccentricity | Srinath Oram |
| | RACEE/2026/EP/1008 | Groundwater Quality Assessment in Coal Mining Areas of Kujua and Topa Coalfields | Saahil Hembrom |
| | RACEE/2026/EC/1010 | Municipal Sewage Sludge Thermal Drying and Solid Recovered Fuel Production: a Uae Urban Case Study | P Ranjan Mishra |
| | RACEE/2026/PRT/1002 | Kitchen Waste Biochar-Derived Iron Oxide Nanocomposite for AS Removal | Dr. Wasim Akram Shaikh |
| Lunch, IGH 1:00 PM - 2:00 PM | | | |

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| Day 2 Session 2 | | | |
| Panel Discussion and Feedback | Esteemed Faculties Dr. Sukalyan Chakraborty, Dr. Manimohan, Prof. Jayanta Kumar Biswas, Prof. Kalachand Sain Topic: “Balancing Urban Expansion and Ecosystem Preservation: Myth or Reality?” | R & D Building, Seminar Hall 2 | 2:00 PM - 3:00 PM |
| Valedictory & Prize Distribution, Seminar Hall 2 (3:00 PM – 4:30 PM) | | | |
| Hi-Tea 4:30 PM - 4:45 PM | | | |

