

ICRDSI 2024-25



KALINGA INSTITUTE OF INDUSTRIAL TECHNOLOGY
Deemed to be University
SCHOOL OF CIVIL ENGINEERING

KALINGA INSTITUTE OF INDUSTRIAL TECHNOLOGY

Deemed to be University

KIIT Deemed to be University, founded by noted Social and Educational Entrepreneur, Prof. Achyuta Samanta. It is established in 1997 as an institution and declared as University (U/S 3 of UGC Act, 1956) by Ministry of HRD, Govt. of India in 2004 within only 7 years of its inception. There are 28 constituent schools, located in impeccably landscaped and modern technology enabled campuses offering graduate, post graduate, doctoral and post-doctoral programs in a wide range of disciplines. KIIT Deemed to be University (<http://www.kiit.ac.in>) is unique in integrating professional education with social concern. Its protégé, Kalinga Institute of Social Sciences (KISS) University (<http://www.kiss.ac.in>), provides holistic education from KG to PG, food, accommodation, health care and all basic necessities absolutely free to 32,000 poorest tribal children.



March
20-22, 2025



HYBRID Mode
of Conference

4th International Conference on RECENT DEVELOPMENTS IN SUSTAINABLE INFRASTRUCTURE

Transforming Challenges into Opportunities



Conference
OBJECTIVES

ICRDSI 2024-25 is the 4th edition of International Conference on Recent Developments in Sustainable Infrastructure to be organized by School of Civil Engineering, KIIT Deemed to be University, Bhubaneswar, India. The objective of this conference is to bring academicians, technocrats, engineers, researchers and students to a common platform to discuss and disseminate the recent developments in research and application for sustainable Infrastructure.

VENUE:

KIIT DEEMED TO BE UNIVERSITY, BHUBANESWAR, INDIA

15th
Among university in India
NIRF

ABET
Accreditation
All Engineering Program

Grade A**
Accreditation by
NAAC

601-800
Rank, 6th in India
THE

Tier I
Accreditation by
NBA

IET
Accreditation by
IET, UK

SCHOOL OF
CIVIL ENGINEERING



School of Civil Engineering is the oldest school of the University and accredited by NBA in the Tier I category of Washington Accord. The School offers undergraduate, post-graduate and PhD programme in all major specializations.

(<https://civil.kiit.ac.in>)

ICRDSI 2019

300 international and national delegates attended the conference offline

Out of 150 presented technical papers, 94 papers got published in scopus indexed springer proceedings.

ICRDSI 2020

1200 international and national delegates attended the conference

Out of 247 presented technical papers, 150 papers got published in scopus indexed springer proceedings

ICRDSI 2022-23

600 international and national delegates attended the conference

Out of 150 presented technical papers.

Conference THEME & SUBTHEME



Blended Technologies in Civil Engineering

- o Smart cities
- o Green building and technology
- o Forensic engineering
- o Sustainable energy
- o Nano-materials and nano-technologies
- o Genetic programming for large-scale structures
- o Application of internet of things (IoT)
- o Application of artificial intelligence (AI)

Sustainable Water Resource Management

- o Water resources planning and management
- o Rainwater harvesting analysis and design
- o Sustainability in water supply
- o Geospatial techniques (Remote sensing and GIS)
- o Energy harvesting
- o Ground water potential and recharging

Sustainability in Structural Engineering

- o Green concrete
- o Sustainable materials and construction
- o Utilisation of waste in concrete
- o Composite and sandwiched structures
- o Offshore structures
- o Earthquake engineering and structural dynamics
- o Structural health monitoring

PUBLICATION

Accepted and registered papers will be invited for oral presentation at ICRDSI 2024. The presented papers will be further peer reviewed and selected papers will be published in Scopus Indexed Proceedings/ Scopus indexed journal.

PLAGIARISM POLICY

Authors should submit their original and unpublished research work, which is not under consideration for publication elsewhere. Manuscripts found to be plagiarized during any stage of the review process will be rejected.

SPONSORSHIP

For the conference, sponsorships are invited from the different government, private organizations, manufacturers and suppliers dealing with various civil engineering products. Appropriate space will be provided to the sponsors in conference website, backdrop and proceedings of ICRDSI 2024 for display of sponsor materials. For detail about the sponsorship, kindly visit the conference website (<http://civil.kiit.ac.in/icrdsi-2024/>)

Sustainable Environment

- o Air quality monitoring and management
- o Aerosol and air quality
- o Water and waste water treatment
- o Solid and hazardous waste management
- o CDM, green economy, environmental & health impact
- o GHG, low carbon & climate Issues

Sustainability in Geotechnical Engineering

- o Characterization of geomaterials and physical modeling
- o Foundations, slope stability and landslides
- o Earthquake geotechnical engineering
- o Ground improvement
- o Geo-environmental engineering

Sustainable Transportation System

- o Sustainable pavement
- o Recycling and reusing of materials
- o Environmental issues in transportation
- o Traffic safety and security
- o Traffic flow theory, operation and facilities
- o Transportation planning
- o Intelligent transportation system

Sustainability in Construction Management

- o Cost Effective construction technologies
- o Innovative construction methods
- o Construction planning and control
- o Construction safety
- o Time and cost optimization in project management
- o Risk and safety management
- o Sustainable design and construction

Call for FULL LENGTH PAPER

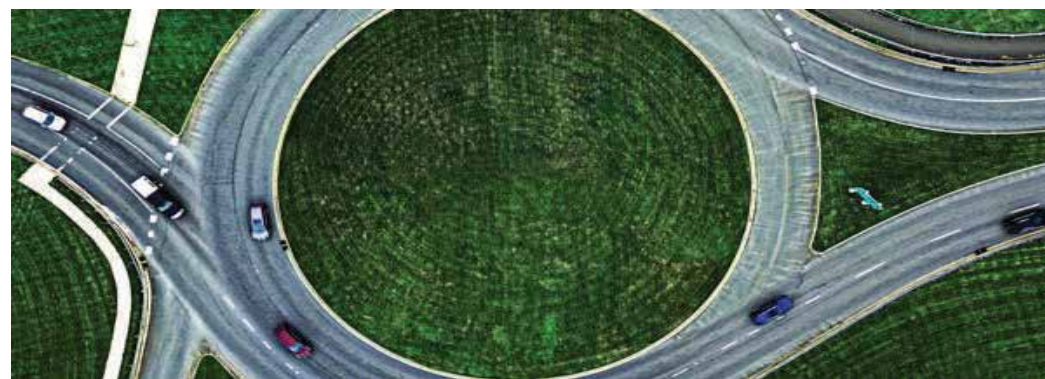


You are invited to submit full length paper in ICRDSI 2024. Please use the attached template to prepare your manuscript. This template is also available on the conference website. During the preparation of the manuscript, the author should emphasize on description of the background of the subject, methodology, author's work, result & discussion and concluding remarks.

Mail your abstract or full length paper to conference email id: icrdsi.civil@kiit.ac.in

REGISTRATION DETAILS

Delegate participation, category/type of organization	Early bird discounted upto 30 Nov 2024	After 30 Nov 2024
Academicians	₹4000	₹4500
R & D/Industry/Corporate Executives,	₹5000	₹6000
Student	₹3500	₹4000
Foreign Delegates	\$75	\$95
Accompanying Person	₹3000 (Indian)	₹3500 (Indian)
	\$65 (Foreigners)	\$85 (Foreigners)



IMPORTANT DATES

Abstract submission begins	05 August 2024
Last date of abstract submission	20 September 2024
Intimation of abstract acceptance	22 September 2024
Last date submission of full-length paper	15 January 2025
Intimation of full-length paper acceptance for presentation	15 February 2025
Early bird registration	15 - 28 February 2025
Conference Sessions	20 - 22 March 2025

ORGANIZING COMMITTEE

 Chief Patron Prof. Achyuta Samanta Founder, KIIT & KISS	Patrons		Mentors
	Shri Ashok Kumar Parija Chancellor, KIIT DU	Prof. (Dr.) Saranjit Singh Vice Chancellor, KIIT DU	Prof. J. R. Mohanty Registrar
Conference Advisor	Dr. B. Das Sr. Professor, SCE KIIT DU	Dr. B. G. Mohapatra Professor & Director, Consultancy Services, KIIT-DU	Dr. S. Moulick Professor & Dean eXtension SCE, KIIT DU
Organizing Chairman	Dr. D. K. Bera Dean, SCE		
Co-Organizing Chairman	Dr. A. Pani Asso. Professor & Asso. Dean (R&D)	Dr. Madhu Lisha Pattanaik Asst. Professor	Dr. S. Nanda Asso. Professor
Program Chair	Dr. P. C. Saha Professor	Dr. S. K. Das Professor, III ISM Dhanbad	Dr. U. C. Sahoo Asso. Professor, IIT Bhubaneswar
Organizing Secretaries	Dr. T. B Mohanty Asso. Professor	Dr. P. K. Acharya Asso. Professor	Dr. K. P. Samal Asso. Professor, Asso. Dean (Academics)
	Dr. M. Mohanty Asst. Professor	Dr. B. Beriha Asst. Professor	
Chairmen, Technical Committee	Dr. J. Padhi Asso. Professor	Dr. D. R. Biswal Asso. Professor	Dr. Kundan Samal Asst. Professor
	Dr. K. K. Sahoo Asst. Professor	Dr. B. Paikaray Asso. Professor	
Co-Chairmen, Technical Committee	Dr. P. Chakraborty Asso. Professor	Dr. N. C. Moharana Asso. Professor	Prof. Mohibullah Asst. Professor
	Dr. A. K. Pani Asso. Professor	Dr. R. Chattaraj Asst. Professor	Prof. M.Nayyer Asst. Professor
	Prof. Nazia T. Imran Asst. Professor	Prof. S. R. Samal Asst. Professor	
Co-organizing Secretaries	Dr. C. K. Kundu Asso. Professor	Prof. Ipsita Mohanty Asst. Professor	Dr. Amit Das Asst. Professor
Secretaries	Prof. P. N. Nanda Asst. Professor	Prof. Gaurav Udgata Asst. Professor	Prof. Kalpana Sahoo Asst. Professor
	Prof. Rachita Panda Asst. Professor	Prof. S. Jaiswal Asst. Professor	

FOR ALL CORRESPONDENCE, PLEASE CONTACT:

Mobile No. +91 9437377786, +91 9437230562,
+91 8895522098 & +91 9437253054
Email: icrdsi.civil@kiit.ac.in
Website: <https://icrdsi.kiit.ac.in/>

Organizing Secretary (ICRDSI-2024)
School of Civil Engineering
Kalinga Institute of Industrial Technology (KIIT)
Deemed to be University, Bhubaneswar
Odisha - 751024

INTERNATIONAL ADVISORY COMMITTEE

Dr. Gajanan M. Sabnis, Emeritus Professor, Depart. of Civil Enggg., Howard University Washington DC, USA..

Dr. Achintya Bezbaruah, North Dakota State University, USA

Dr. Gangadhara B. Prusty, Professor, School of Mechanical and Manufacturing Engg., Kensington, Australia.

Prof. Jean-Louis Roubaty, Professor, Université Paris Diderot Paris

Dr. Vinayagamoorthy Sivakumar, Professor, School of Natural and Built Environment, Queen’s University Belfast, U.K.

Dr. Shane Donohue, Associate Professor, School of Civil Engineering, University College, Dublin

Dr. Sanjay K. Shukla, Founding Editor-in-Chief, International Journal of Geosynthetics and Ground Engineering and Research Group Leader (Geot. and Geoenv.) at Edith Cowan University, Australia.

Dr. Solomon Tesfamariam, Professor, University of British Columbia, Okanagan Campus, Canada

Dr. Dillip Kumar Das, Associate Professor, Civil Engineering, Central University of Technology Free State, South Africa

Dr. Hong Yao-ming, Dean, Master Program of Green Technology for Sustainability, Nanhua University, Taiwan

Dr. Salim Barbhuiya, School of Civil Engineering, Leeds University, United Kingdom

Prof. Suranjan Panigrahi, Professor, Purdue University, USA

Dr. Debkant Mishra, Associate Professor, School of Civil and Engineering Oklahoma State University

Dr. S. Mohanty, Associate Professor, UCLA, USA

NATIONAL ADVISORY COMMITTEE

Dr. D. M. Dewaikar, Former Professor, Department of Civil Engineering, IIT Bombay, India

Dr. A. K. Rath, Former Professor, School of Civil Engineering, KIIT Deemed to be University

Dr. R. S. Jangid, Professor, Department of Civil Engineering, IIT Bombay, India

Dr. N. R. Patra, Professor, Department of Civil Engineering, IIT Kanpur, India

Dr. V. R. Desai, Professor of Civil & Infrastructure Engg and Director Indian Institute of Technology, dharwad, Karnataka, India.

Dr. Sarat Kumar Das, Professor, Department of Civil Engineering, IIT (ISM) Dhanbad, India

Dr. G. R. Dodagoudar, Professor, Department of Civil Engineering, IIT Madras, India

Dr. Vasant Matsagar, Professor, Dogra Chair, and Head, Dept. of Civil Engg., Indian Institute of Technology (IIT) Delhi

Prof. Sudhindra Nath Panda, Director, National Institute of Technical Teachers Training & Research (NITTTR), Chennai.

Dr. S. K. Patro, Professor, Department of Civil Engineering, VSSUT, Burla, Odisha, India

Dr. P. K. Parhi, Professor, Department of Civil Engineering, CET, Bhubaneswar, India

Dr. V. A. Sawant, Professor, Department of Civil Engineering, IIT Roorkee, India

Dr. B. C. Panda, Professor, Department of Civil Engineering, IGIT, Sarang, Odisha, India

Dr. Bimlesh Kumar, Professor, Department of Civil Engineering, IIT Guwahati, India

Dr. Subash Yaragal, Professor, Department of Civil Engineering, NITK Surathkal.

Dr. P. K. Parida, Scientist, ORSAC, Bhubaneswar

Dr. Rajan Choudhary, Professor, Department of Civil Engineering, IIT Guwahati, India

Dr. U. C. Sahoo, Asst. Professor, School of Infrastructure, IIT Bhubaneswar.

Dr. S. P. Singh, Professor, Department of Civil Engineering, NIT Raurkela, India

