2-DAY ONLINE

GeoWISDM INTERNATIONAL CONFERENCE 2026

Geospatial Technology for Water, Infrastructure Sustainability and Disaster Management (GeoWISDM)

21-22 DECEMBER 2026

Online Mode | Indian Standard Time (IST)



KIIT

Deemed to be University, Bhubaneswar, Odisha, India

Organized by

School of Civil Engineering (Centre of Remote Sensing and Disaster Management) in collaboration with

Indian Space Academy, Delhi

CALL FOR PAPERS • REGISTRATION OPEN

https://event.kiit.ac.in/GeoWISDM/

ABOUT THE CONFERENCE

GeoWISDM 2026: The International Conference on ***"Geospatial Technology for Water, Infrastructure Sustainability and Disaster Management"*** is a two-day online conference organized by the School of Civil Engineering in collaboration with the Centre of Remote Sensing and Disaster Management (CRSDM), KIIT Deemed to be University, Bhubaneswar, India, on 21-22 December 2026.

The conference offers a common digital platform for academicians, scientists, researchers, practitioners, policy makers, industry professionals and young scholars to discuss recent advances in geospatial science, disaster risk reduction, climate resilience and sustainable infrastructure. With rapid urbanization and increasingly frequent floods, cyclones, landslides, earthquakes and coastal erosion, integrating remote sensing, GIS, AI/ML and allied technologies into infrastructure planning and disaster management is now critical for resilient and sustainable communities.

GeoWISDM 2026 aims to disseminate original research, foster interdisciplinary collaboration and translate scientific knowledge into actionable policy and engineering practice.

Conference Objectives

- Provide a platform to disseminate recent research on geospatial technologies for disaster risk reduction and infrastructure sustainability.
- Foster dialogue between academia, industry, government agencies and policy makers on building resilient infrastructure.
- Showcase applications of remote sensing, GIS, AI/ML, UAV and allied technologies in hazard assessment, early warning and recovery planning.
- Encourage young researchers and students to present their work and network with international experts.
- Promote collaborative research, consultancy and capacity-building initiatives aligned with the Sustainable Development Goals and the Sendai Framework for Disaster Risk Reduction.

DATE & MODE

21-22 DEC 2026	ONLINE MODE	IST (UTC+5:30)
Two-day conference	*Parallel virtual tracks each day*	*Indian Standard Time*

ABOUT KIIT UNIVERSITY

KIIT Deemed to be University, founded in 1992 by social and educational entrepreneur **Prof. (Dr.) Achyuta Samanta**, was declared a Deemed to be University under Section 3 of the UGC Act, 1956, by the Ministry of Human Resource Development, Government of India, in 2004. Spread across impeccably landscaped, technology-enabled campuses in Bhubaneswar, KIIT comprises constituent schools offering undergraduate, postgraduate, doctoral and postdoctoral programmes across a wide range of disciplines, and is consistently ranked among India's leading private universities (NIRF, NAAC A++, NBA and Washington Accord / IET, UK accreditation).

Its sister initiative, the Kalinga Institute of Social Sciences (KISS), provides free holistic education, accommodation and healthcare to thousands of underprivileged tribal children, reflecting KIIT's ethos of knowledge for social transformation.

School of Civil Engineering

The School of Civil Engineering is the oldest school of KIIT Deemed to be University and is accredited by the National Board of Accreditation (NBA) under the Tier-I category of the Washington Accord. The School offers undergraduate, postgraduate and doctoral programmes across major specializations of civil engineering structural, geotechnical, water resources, transportation, environmental and construction engineering and management and has a strong track record of organizing international conferences, including the International Conference on Recent Developments in Sustainable Infrastructure (ICRDSI) series.



Centre of Remote Sensing and Disaster Management (CRSDM)

CRSDM is a dedicated research centre of the School of Civil Engineering under KIIT's Centre of Innovation and Research (COIR), bridging advanced geospatial research with real-world impact through AI, remote sensing and GIS-based predictive tools for disaster management and environmental monitoring. Its research spans digital photogrammetry, microwave remote sensing, UAV/LiDAR surveying, Geo-ICT and Web-GIS, with applied work on cyclone and flood early warning, coastal zone management, groundwater, mangrove and wetland monitoring, landslide mapping etc.

ORGANIZING COMMITTEE

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Mentors	**Prof. J. R. Mohanty** Pro-Vice Chancellor-Cum- Registrar, KIIT DU		**Prof. Debasis Bandopadhay** Pro-Vice Chancellor, KIIT DU		
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NATIONAL & INTERNATIONAL
ADVISORY COMMITTEE

NATIONAL	INTERNATIONAL
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Dr. Debabrata Nandi Maharaja Sriram Chandra Bhanja Deo University, Odisha	**Dr. Sukant Jena** CEO, INOVAANTAGE, United Kingdom

CONFERENCE THEMES

Original, unpublished research contributions including theoretical studies, field investigations, case studies, and validated physical/numerical modelling are invited under the broad themes below. Topics not explicitly listed but relevant to the overall objectives of **GeoWISDM** 2026 will also be considered.

Track 1: Geospatial Technologies & Earth Observation

- Remote sensing and GIS applications in engineering
- Digital photogrammetry, cartography and surveying
- UAV / drone-based mapping and LiDAR applications
- Microwave remote sensing and SAR interferometry
- Geo-ICT, Web-GIS and location-based services
- Digital twins and 3D city / terrain modelling

Track 2: Disaster Risk Reduction & Management

- Flood, cyclone, landslide and earthquake hazard mapping
- Early warning systems and hazard forecasting
- Glacial lake outburst flood (GLOF) and mountain hazard modelling
- Dam-break analysis and emergency action planning
- Risk, vulnerability and exposure assessment
- Post-disaster rapid damage assessment using remote sensing

Track 3: Climate Change & Environmental Resilience

- Climate change impact on infrastructure and water resources
- Urban heat island and extreme weather event analysis
- Coastal vulnerability, erosion and sea-level rise
- Drought assessment, water scarcity and mitigation
- Environmental impact assessment of infrastructure projects

Track 4: Infrastructure Sustainability & Resilient Design

- Resilient and sustainable structural systems
- Smart cities, green buildings and green infrastructure
- Structural health monitoring and instrumentation
- Resilient transportation and pavement infrastructure
- Sustainable construction materials and practices

Track 5: Water Resources & Hydro-Geospatial Applications

- Watershed and river-basin management
- Groundwater resource assessment using geospatial tools
- Reservoir, dam safety and sedimentation monitoring
- Hydrological and hydraulic modelling integrated with RS/GIS

Track 6: Geotechnical & Geo-environmental Engineering

- Landslide susceptibility mapping and slope stability
- Ground improvement and foundations in hazard-prone zones
- Geo-environmental monitoring and site characterization

Track 7: AI, Data Science & Emerging Technologies for Resilience

- Big data, cloud-GIS platforms and data management
- IoT-based disaster monitoring sensor networks
- Machine learning and deep learning for hazard prediction
- AI-driven risk modelling and decision-support systems

Track 8: Policy, Governance & Capacity Building

- Disaster management policy and institutional governance
- Risk communication and community resilience
- Capacity building and training in RS/GIS/disaster management
- Public–private partnerships for resilient infrastructure

CALL FOR PAPERS

Authors are invited to submit extended abstracts of about 400-500 words (or full-length papers, as per the conference template to be hosted on the website) on the themes listed above. Submissions should clearly state the affiliation, mailing address, phone number and e-mail address of all authors, and should be submitted electronically through the conference website / submission portal.

Each accepted abstract must be registered by at least one author for oral/virtual presentation during the online technical sessions. Manuscripts must be original and unpublished, and must not be under consideration elsewhere; submissions found to be plagiarized at any stage of review will be rejected.

IMPORTANT DATES

S. No.	Event	Date
1	Abstract submission opens	**20 Nov 2026**
2	Last date for abstract submission	**30 Nov 2026**
3	Abstract acceptance	**30 Nov 2026**
4	Full paper submission (publication track)	**05 Dec 2026**
5	Paper submission opens	**30 Nov 2026**
6	Last date of paper submission	**15 Dec 2026**
7	**GeoWISDM 2026 (Online)**	**21–22 Dec 2026**

PUBLICATION

All registered and presented papers will be considered for the online conference proceedings. Selected full-length papers, after rigorous peer review, will be recommended for publication in Scopus indexed journals or reputed edited volumes.

REGISTRATION

As **GeoWISDM** 2026 is being held fully online, registration fees have been kept nominal to encourage wide participation from students, researchers and professionals across the globe. Fees indicated below are indicative; the final fee structure and payment link will be published on the conference website.

EARLY BIRD REGISTRATION FEE
(INDICATIVE)

Category of Delegate	Early-Bird (up to 30 Nov 2026)	Regular (after 30 Nov 2026)
Students / Research Scholars	INR 1,500	INR 2,000
Academicians	INR 2,500	INR 3,000
Industry / R&D / Corporate Delegates	INR 3,500	INR 4,000
Foreign Delegates / Authors	USD 50	USD 65

Note: *The fee covers all online technical, keynote and panel sessions, the e-certificate and the digital proceedings.*

CONFERENCE PLATFORM & MODE

GeoWISDM 2026 will be conducted entirely online via a video-conferencing platform (MS Teams / Zoom / Google Meet), with parallel virtual tracks on each day and live-streamed keynote and plenary sessions. All timings are in IST (UTC+5:30); international delegates are requested to convert to their local time zone.

Dr. Rakesh Ranjan Thakur

GeoWISDM 2026: Conference Secretariat

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WEBSITE:

https://event.kiit.ac.in/GeoWISDM/

We look forward to your participation in GeoWISDM 2026.

Registration link:

https://forms.gle/JmTcCUgGMXqmPCQq5

Account Details:

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IFSC Code:HDFC0003951
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