

Co-operative Planning for Climate Change Disasters

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Centurion University actively participates in co-operative planning efforts to address climate change-induced disasters, including extreme weather events, floods, droughts, and the displacement of vulnerable communities. Recognizing that disaster resilience requires multi-stakeholder collaboration, the University engages with local and regional government bodies, NGOs, and technical institutions to co-develop preparedness strategies, mitigation frameworks, and post-disaster recovery plans. In 2024, the University partnered with three NGOs—Harsh Trust, Bharat Rural Livelihoods Foundation (BRLF), and Energy Swaraj Foundation

One Day Awareness Workshop on Disaster Management and Mitigation Using Modern Tools and Techniques, sponsored by IIRS-ISRO.

A workshop on Disaster Management was conducted from 24-28th June 2024 to equip 56 participants with a comprehensive understanding of disaster risk reduction and modern response strategies. The session covered the fundamentals of disaster types and their historical impact, followed by an in-depth discussion on the four key phases of disaster management—mitigation, preparedness, response, and recovery. Participants were introduced to advanced tools and technologies such as satellite imagery for risk mapping, drone applications in monitoring, and the use of AI and machine learning for predictive analysis. Real-time data applications for flood forecasting, cyclone tracking, GIS-based evacuation planning, and drought monitoring were also explored. Emphasis was placed on community-based disaster risk reduction and aligning with both national and international disaster policies to ensure a holistic, technology-driven, and people-centered approach to disaster resilience.



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MoES INCOIS and Centurion University successfully completed a joint field campaign aboard RV Sagar Utkal near Paradip from June 2–3, 2024. This collaborative effort not only advances marine research and coastal monitoring but also directly contributes to climate action by generating critical data on ocean health, sea-level rise, and coastal vulnerabilities. The insights gained support for early warning systems, disaster preparedness, and sustainable marine resource management—key components in building climate-resilient coastal communities. By aligning with India’s vision for a robust Blue Economy, this initiative reflects Centurion

University's commitment to integrating science, technology, and policy for impactful and climate-resilient development solutions.



World Earth Day Celebration, Sponsored by Ministry of Earth Sciences (MoES), GoI

The Centre for Earth System and Sustainability (CESS), Centurion University, successfully organized a vibrant and educational World Earth Day Celebration on April 22, 2024, at the Bhubaneswar campus. Sponsored by the Ministry of Earth Sciences (MoES), Government of India, the event brought together school children, university faculty, and sustainability advocates to reaffirm their commitment to environmental protection and climate action. With the theme centered on addressing critical environmental challenges such as climate change, pollution, deforestation, and habitat destruction, the program went beyond awareness to emphasize the urgent need for disaster preparedness and resilience planning. Discussions and activities highlighted how unchecked environmental degradation amplifies the risks of floods, cyclones, heatwaves, and other climate-induced disasters. By linking conservation with risk mitigation strategies such as early warning systems, sustainable land management, and community adaptation measures, the event underscored the role of education in strengthening climate resilience. Students and participants were encouraged to view environmental stewardship not only as a moral duty but also as a crucial component of disaster risk reduction, ensuring that communities are better equipped to respond to and recover from extreme events. This celebration therefore served as both an awareness platform and a preparedness exercise, fostering eco-conscious behavior while strengthening the link between sustainability initiatives and disaster management practices.