



Report on Shoolini University's Role in Supporting Local Climate Change Disaster/Risk Early Warning and Monitoring

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Introduction

Shoolini University is actively engaged in a range of initiatives aimed at tackling climate change, promoting environmental conservation, and managing disaster risks in the Himalayan region. The university's efforts are centered on both addressing the immediate challenges posed by climate change and fostering long-term sustainability through scientific research, community engagement, and strategic collaboration.

A key aspect of Shoolini University's commitment to sustainability is its comprehensive Energy and Environment Policy, which serves as a guiding framework for integrating sustainable practices into every aspect of the institution's operations. This policy emphasizes energy efficiency, waste reduction, water conservation, and the mitigation of climate change impacts, aligning the university's efforts with local and global sustainability goals. By adhering to these principles, the university is playing an active role in reducing its environmental footprint and promoting climate resilience.

University Policies and Sustainable Practices

Shoolini University is committed to addressing climate change, environmental conservation, and disaster risk management, particularly in the Himalayan region. The university's Energy and Environment Policy reflects its dedication to sustainable practices, energy efficiency, and climate change mitigation. This policy not only guides all university activities but is also publicly available, promoting transparency and encouraging sustainable practices both on campus and beyond. Through this comprehensive approach, Shoolini University strives to align its goals with local and global environmental needs, positioning itself as a proactive force in climate action within the region.

In addition to the Energy and Environment Policy, Shoolini University also has a Disaster Management Policy, which plays a critical role in managing the region's susceptibility to natural disasters. The policy outlines the university's strategies for disaster preparedness, risk reduction, and response. It emphasizes the importance of creating a resilient campus and community, prepared for challenges such as floods, earthquakes, and landslides, which are common in the Himalayan region. The university's disaster management framework integrates scientific research with practical strategies, ensuring that the campus and surrounding communities are better equipped to handle the impacts of climate-related disasters.

Energy Policy-

<https://iqac.shooliniuniversity.com/storage/app/public/images/202411060457Energy-policy-2019&21.pdf>



Environment Policy-

[https://iqac.shooliniuniversity.com/storage/app/public/images/202411060459environment-policy2019&22%20\(1\).pdf](https://iqac.shooliniuniversity.com/storage/app/public/images/202411060459environment-policy2019&22%20(1).pdf)

Disaster Management Policy-

<https://iqac.shooliniuniversity.com/storage/app/public/images/202411061057Annexure-X%20Disaster-Management-Policy-Shoolini-University.pdf>

Collaboration and Conferences to Inform Regional Policy



Through events like the **National Himalayan Science & Technology Conference (HiSTCon 2023)**, Shoolini University informs and collaborates with regional stakeholders on critical environmental issues. HiSTCon 2023, for instance, brought together scientists, academicians, students, and local leaders to discuss ecological fragility and sustainable development in the Himalayas. The event featured discussions on regional challenges, such as floods, potable water solutions, and biodiversity loss, with the aim of generating actionable insights that could support government planning and early warning systems.

Speakers at HiSTCon addressed topics directly relevant to climate-related risks:

- **Prof. Sundriyal** presented on flood casualties in Uttarakhand, highlighting the human impact on climate-induced disasters.
- **Prof. B.D. Joshi** discussed the environmental effects of hydropower projects on river ecosystems, a critical issue for disaster preparedness in the region.

Research and Monitoring Initiatives

Shoolini University is also engaged in research that supports environmental monitoring and



resilience. The university's collaboration with the **University of Venda** in South Africa includes joint research on energy management, further supporting the goal of sustainable resource use and climate resilience. The partnership involves student exchange programs that contribute to the development of innovative solutions, which could be applied to regional early warning systems for climate-related risks.

Local Community and NGO Engagement

Shoolini University collaborates with the **NGO Healing Himalayas**, participating in cleanliness and conservation drives throughout Himachal Pradesh. These efforts are crucial for maintaining the health of local ecosystems, which directly affect regional resilience to climate change. In addition, the university frequently conducts **awareness programs, webinars, and Earth Day events** that educate both the academic community and local citizens on disaster preparedness and environmental protection.



Conclusion

While Shoolini University's involvement in direct early warning and monitoring with the government is not formalized, its conferences, policies, partnerships, and community outreach serve as significant contributions to regional climate risk awareness and mitigation. Through these initiatives, Shoolini University supports the government and local communities in understanding, monitoring, and preparing for the environmental impacts of climate change in the Himalayas.