



Webinar

On

"Green & Resilient Eco-sensitive Approach for Hill Ecosystem"

Introduction

The Civil Engineering Department of Jaypee University of Information Technology, Waknaghat, in collaboration with Indian Green Building Council, organized a webinar on "Green & Resilient Eco-sensitive Approach for Hill Ecosystem," as part of work green building week initiative. The two-day event took place on September 12–13, 2023, between 11:00 AM and 1:00 PM. The event aimed to bring together various stakeholders of the Hill Eco System, including government officials, architects, developers, academia, industry experts, environmentalists, and local communities. The focus was on sharing insights, experiences, and ideas for building a more resilient Himachal Pradesh.

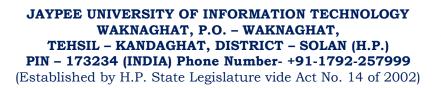
The webinar series on Green Hill Habitat delved into the critical topic of sustainable development in hill areas. The webinar emphasized the importance of a Green Hill Habitat rating system, which aims to guide sustainable construction and development practices in hilly regions. Speakers discussed various aspects such as disaster risk governance, community involvement in disaster management, and the need for holistic land management. They also highlighted the importance of preserving natural resources and implementing green building practices to improve both tangible and intangible aspects of life in hill areas.

One significant point made during the webinar was the role of community capacity in disaster management. The speakers stressed that communities need to be well-informed and prepared to effectively cope with disaster situations. They also emphasized the importance of scientific studies on landslides and the need for the involvement of various stakeholders, including government bodies, local organizations, and communities, in disaster management decisions. The use of technology for enhanced communication and preparedness was also discussed.

The webinar also touched upon the importance of planned and sustainable development, especially in the context of industrial growth and tourism in hill areas. Speakers warned against the negative impacts of unplanned development, such as pollution, water scarcity, and destruction of natural habitats. They emphasized the need for a balanced approach that considers both the needs of the nation and the local community. Overall, the webinar made a strong case for the urgent need for sustainable and strategic approaches to managing and developing hill areas in India.

Key Highlights







- *Keynote Address by Recognized Experts:* Experts from various fields shared their knowledge on regional planning, benchmarking tools, and resilient construction practices in hilly areas.
- *Regional Planning in Hilly Context:* Discussions were held on the unique challenges and opportunities in planning for hilly regions.
- *Benchmarking Tool for Greening of Hill Towns:* Tools and metrics for assessing and improving the sustainability of hill towns were presented.
- *Successful Hill Area Practices and Resilient Construction*: Case studies and best practices were shared to inspire future projects.
- *Hill Architecture Practices in Indian Context*: The webinar explored traditional and modern architectural practices suitable for hilly regions.

Day 1: Mountain Livelihood and Disaster Risk Reduction

Topics Covered:

- City Resilience and Urban Services
- Indigenous Architecture & Craftsmanship of Hills
- Discussions on Developmental Regulations
- Community Involvement in Disaster Preparedness
- Innovative Construction Materials

Key Speakers:

- Prof. Chandan Ghosh
- Mr. Jit Kumar Gupta
- Mr. Saurav Choudhury
- Ar Prashant Pradhan

The first day provided our students and faculty with a deep understanding of the importance of community involvement in disaster preparedness and innovative construction materials suitable for hilly regions.

Day 2: Moderated by Dr. Tanmay Gupta

Topics Covered:

- Green & Resilient Eco-sensitive Approach for Hill Ecosystem
- Regional Planning in Hilly Context
- Benchmarking Tool for Greening of Hill Towns





- Successful Hill Area Practices and Resilient Construction
- Hill Architecture Practices in Indian Context

Key Speakers:

- Prof. Inderpal Singh
- Prof. Devesh Walia
- Prof. Jay Thakkar
- Dr. Ashwani Kumar

Dr. Tanmay Gupta's moderation on the second day was particularly enlightening. Our students and faculty were motivated to think about sustainable and resilient development in hilly regions, especially in the context of architecture and civil engineering.

More than 700 registrations were obtained for the event, with video recordings to be made online. The outcomes of the webinar will be documented and presented as recommendations to the Government of Himachal Pradesh. These recommendations aim to guide green policies for hill-centric development, thereby enhancing the quality of life in hill stations.

Benefits to Jaypee University Students and Faculty

- *Knowledge Gain*: The rich content and expert talks provided our students and faculty with deep insights into sustainable and resilient development in hilly regions.
- *Networking*: The event offered an excellent platform for our students and faculty to interact with experts and like-minded individuals.
- *Inspiration*: The success stories and case studies presented motivated our students and faculty to think innovatively about green building and sustainable development.
- *Future Collaborations:* The event opened doors for potential research and development collaborations with experts and organizations.
- *Holistic Understanding*: The multi-disciplinary approach of the webinar gave our community a well-rounded understanding of the complexities involved in hill-centric development.





























Green & Resilient Eco-sensitive Approach for Hill Ecosystem

- Keynote address by recognized experts
- Regional Planning in Hilly context
- Benchmarking tool for greening of Hill towns
- Successful hill area practices and resilient construction
- Hill architecture practices in Indian Context

Mountain Livelihood and Disaster Risk Reduction

- City Resilience and Urban services
- Indigenous Architecture & Craftsmanship of HillsDiscussions on Developmental Regulations and
- innovative construction materials.
- Community involvement in disaster preparedness

The Webinar aims at bringing on one platform, all stakeholders of Hill Eco System (including government, architects, developers, academia, industry, environmentalists, and local communities) with common objective to share their insights, experiences, and ideas for building a more resilient Himachal Pradesh.

The outcome of the webinar would be documented and presented as recommendations to the Government of Himachal Pradesh to drive green policies towards hill-centric development, ultimately resulting in enhanced quality of life for citizens in Hill stations and development of model Green Hill Cities in India.