



JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY
WAKNAGHAT, P.O. – WAKNAGHAT,
TEHSIL – KANDAGHAT, DISTRICT – SOLAN (H.P.)
PIN – 173234 (INDIA) Phone Number- +91-1792-257999
(Established by H.P. State Legislature vide Act No. 14 of 2002)



Webinar

On

“Green & Resilient Eco-sensitive Approach for Hill Ecosystem”

Introduction

The Civil Engineering Department of Jaypee University of Information Technology, Wagnaghat, 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



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- **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



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- 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.
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The screenshot shows a Zoom meeting in progress. The main window displays a speaker, Saurav IGBC, wearing a headset and a white shirt. The Zoom logo and name are visible in the top left corner of the video frame. The top bar of the Zoom window shows the time as 03:14:57 and the status 'Speaking: Saurav IGBC (Host, Internal)'. The right sidebar contains a 'Participants (26)' list with the following members: Dr. Ianmay Gupta (Me), Saurav IGBC (Host, internal), Dr. Ashwani Kumar, and Dr. Inderpal Singh. Below the participants list is a 'Chat' window showing a conversation:

- from Aman Deep Gupta to everyone: 1:34 PM
Thank you IGBC, thank you all the speakers.
- from Ruchy Lakhani to everyone: 1:36 PM
Govt needs to act today when the wounds of destruction are still raw and need is more evident than greed
- from Ruchy Lakhani to everyone: 1:36 PM
Very informative session.

The bottom of the Zoom window shows controls for 'Unmute', 'Stop video', and 'Share'. The Windows taskbar at the bottom indicates the system time as 13:37 on 13-09-2023, with a weather forecast of 26°C Mostly cloudy.



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PARTNERS FROM HILL ECOSYSTEM

IGBC Webinar Series
Green Hill Habitat

12th & 13th Sep 2023
 Webex Platform

TOURISM AND MOBILITY INTERACTION

As per definition of UNWTO "Tourism is a social, cultural and economic phenomenon, which entails the **movement** of people to countries or places outside their usual environment for personal or business/professional purposes".

Tourism Activity

Demand (Tourism Movement: Motivation and Needs) ↔ **LINKAGE** (Distribution Management Planning, Displacement to/from Destination) ↔ **Supply** (Attractions, Resource Base, Hospitality, Support services and Facilities, Transport within Destination)



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The screenshot shows a Cisco Webex Webinar interface. At the top, there is a menu bar with options like 'File', 'Edit', 'Share', 'View', 'Audio & Video', 'Participant', 'Webinar', and 'Help'. The main area displays a grid of video feeds for participants. One feed shows a man in a light blue shirt, another shows a man in a grey suit (labeled 'Saurav IGBC (Host, internal)'), and another shows a man in a red shirt. Below these, there are two more feeds showing a man in a dark shirt and a man in a light blue shirt. A presentation slide is visible in the background of the feeds, titled 'SUSTAINABLE & RESILIENT HIMACHAL PRADESH'. On the right side, there is a 'Participants (26)' panel with a search bar and a list of participants: Dr. Ianmay Gupta (Me), Saurav IGBC (Host, internal), Dr. Ashwani Kumar, and Dr Inderpal Singh. Below the participants list is a 'Chat' panel with a message history and a text input field. The chat history includes messages from Aman Deep Gupta, Ruchy Lakhani, and Ruchy Lakhani. At the bottom, there is a control bar with buttons for 'Unmute', 'Stop video', 'Share', and other controls. The Windows taskbar is visible at the very bottom, showing the search bar, taskbar icons, and system tray with the date and time (13:38, 13-09-2023).



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BUILDING THE TRANSITION

2023 WORLD GREEN BUILDING WEEK

WORLD GREEN BUILDING COUNCIL

BUILDING TO COP28 #BuildingTheTransition #WGBW23

IGBC Webinar Series on

Green Hill Habitat




PARTNERS FROM HILL ECOSYSTEM



SUSTAINABLE & RESILIENT HIMACHAL PRADESH

Hill-centric Development is the Key

 Tue-Wed | 12th - 13th Sep, 2023

 11:00 AM - 1:00 PM

100% ONLINE

Live at Virtual Conference Platform

No Registration Fee

SCAN THIS TO REGISTER

Register now at :

<https://shorturl.at/ewBG2>



INAUGURAL SESSION



Col Shailesh Pathak

Chairman, Chandigarh Chapter of Indian Green Building Council, CEO, Art-N-Glass Inc.



Maj Gen. Manoj Kumar Bindal, VSM

Former Executive Director - National Institute of Disaster Management (NIDM), Ministry of Home Affairs, Govt. of India | Director - CUNPK | GOC | Secretary of IAPTC | Air Defence Operations | Administration & HRM | PMO | Training & Development

THE SPEAKER LINEUP

SPEAKER 1



Prof. Chandan Ghosh

Professor, National Institute of Disaster Management (NIDM), Head - Resilient Infrastructure Division, NIDM Ministry of Home Affairs, Government of India
Designing resilient infrastructure in hilly regions - Case studies of Northern Himalayas

SPEAKER 2



Mr Jit Kumar Gupta

Advisor Town Planning & Planning Head - Punjab Urban Planning and Development Authority (PUDA)
Planning for Hill Ecosystem

SPEAKER 3



Mr Saurav Choudhury

Counsellor - Green Hill Habitat CII-Indian Green Building Council Architect & City Planner
Guidance framework for Green & Resilient Hill centric development

SPEAKER 4



Dr. Inderpal Singh

Associate Professor, Department of Architecture, National Institute of Technology Hamirpur
Exploring Ecotourism in Himachal Pradesh

SPEAKER 5



Prof. Devesh Walia

Professor of Environmental Studies Department, North Eastern Hill University (NEHU)
Climate Resilient Infrastructure and Nature Based Solutions

SPEAKER 6



Prof. Jay Thakkar

Senior Associate Professor, Faculty of Design and Co-Founder, Design Innovation and Craft Resource Centre (DICRC), CEPT University
Kath-Khuni Architecture of Himachal Pradesh

SPEAKER 7



Ar Prashant Pradhan

Principal Architect, PPA Architects
Visiting Faculty, Faculty of Design, CEPT University
The Practice of Building in Hills

SPEAKER 8



Dr. Ashwani Kumar

Associate Professor, Department of Architecture, NIT Hamirpur
Developmental Regulations for Hill Towns

For more details on IGBC Green Hill Habitat framework

www.igbc.in



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As part of World Green Building Week Initiative

IGBC Green Hill Habitat Webinar Series Tue-Wed | 12th - 13th Sep, 2023 11:00 AM - 1:00 PM

SUSTAINABLE & RESILIENT HIMACHAL PRADESH

Hill-centric Development is the Key

It's evident that Himachal Pradesh requires a concerted effort in Disaster Risk Reduction to not only recover from the recent calamities but also to prepare for future challenges. In light of this, we in IGBC propose this collaboration with 'Partners in Hill Ecosystem' on knowledge dissemination and capacity building of stakeholders on Hill-centric green development.

Green & Resilient Eco-sensitive Approach for Hill Ecosystem Day 01

- 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 Day 02

- City Resilience and Urban services
- Indigenous Architecture & Craftsmanship of Hills
- Discussions 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.