



## Virtual Session on Various Aspects of Green Building Design

**Date of Event:** January 25, 2022

Organizers: IGBC Student Chapter, JUIT

### Introduction

Jaypee University of Information and Technology's Student Chapter of Indian Green Building Council (IGBC) was inaugurated on 13<sup>th</sup> May 2021. In 2022, under 4<sup>th</sup> Edition of Harit-Prem Bharat Mahotsav, a Virtual Session on Various Aspects of Green Building Design was successfully organized on January 25, 2022. The primary focus of this event was to promote the knowledge for sustainable material which will help minimise the carbon footprint generated by construction of a building and utilize clean energy in construction work. The Virtual Session was organized via Google Meet platform by JUIT Student Chapter. Invitations to the Session were emailed by the host, JUIT IGBC Student Chapter Team, to their networks and students.

# Various aspect of Green Building Design

Green building design aspects refers to both a structure and the application of processes that are environmentally responsible and resource-efficient throughout a building's life-cycle: from planning to design, construction, operation, maintenance, renovation, and demolition. This requires close cooperation of the contractor, the architects, the engineers, and the client at all project stages. This program allows participants to know the importance of Green Building and how to use sustainable materials in old and new structures to make them effective.

### **Event Schedule**

#### • Prof. Ashish Kumar

Professor & Head CED, JUIT Waknaghat

-Welcome Remarks

• Mr. Amit M C

Associate Counsellor – Green Buildings CII-GBC Hyderabad - Technical Session **Topic:** Glass as a sustainable Green Building Material

• Col. Shailesh Pathak

Co-Chair, IGBC - Chandigarh Chapter

-Technical Session

CEO, Art - N - Glass Inc.

**Topic:** Glass as a sustainable Green Building Material.

• Ar. Shelja Gupta

Principal Architect, Design Earth

-Technical Session

Topic: Urban Green Buildings: The new address of sustainability

• Dr. Tanmay Gupta

Chairman, IGBC Student Chapter, JUIT

-Concluding Remarks

Program Convener

• Ajay Singh Thakur

PhD Student, JUIT

Student Coordinator





# Overview and Topic of Discussion

- **Dr Tanmay Gupta** hosted the session on Google Meet and Live on JUIT YouTube Channel at 10:45 AM (IST). More than 100 participants on Google Meet and 256+ participants were connected through YouTube for this Virtual Session. **Prof. Ashish Kumar HOD Civil Engineering Department** welcomed all speakers, dignitaries and participants in this session.
- Mr. Amit M C was the first speaker who gave an Introduction of IGBC and its functions. His talk focussed on apprising the participants about a Green Building, its features & benefits. Lastly, he discussed the IGBC Mission on Net Zero. The presentation was based on Indian Scenario showing Challenges and Opportunities, site selection and planning, etc. The topic also covers water conservation, building material, Resources and Energy efficiency, and tangible benefits for the use in green building. Towards the end Q & A session was conducted through Google Meet chat and YouTube Comment Section.
- Col. Shailesh Pathak, the second speaker of the event discussing the role of Glass as a Sustainable Green Building Material, where the importance was given to the use of glass for controlling solar energy to maintain optimum temperature and to let natural light enter the compound to reduce the need of artificial light during day time. As Green Glasses are recyclable, they can be used up to Six times more than the normal glass. The dynamic property of advance heat insulation and glare control are discussed. PV Sun Glass and Electro chromic Glass are also discussed.
- Ar Shelja Gupta was the final speaker of the event sharing Urban Green Buildings: The new address of sustainability in which a case study having Platinum rating were discussed with all the participants. The project was called EXOTIC GRANDEUR which has set a bench mark in Punjab by becoming the first ever Green Building. The difference between Regular Group Housing and Luxury Green Homes were shared excellently with the help of Site Layout, showing the importance of orientation to allow sunlight and air into the apartment. How to get credits and which are the main parameters were projected to all the participants. Computer Generated Analysis was shared to discuss the importance of Daylight analysis and support documentation of Project.
- At last Q&A Session were conducted with light moments between speakers, moderator, and participants.

**Feedback from Students:** The feedback was conducted through a form circulated among the participants and the webinar was ranked Excellent.

**Thank You Remark:** Dr. Tanmay Gupta concluded the Virtual Session by thanking all the Speakers, HOD and faculties of Civil Engineering Department, IGBC Members and Participants for making this event a memorable one.

### **Key Points from Registration View**

- A total of 411 registrations were received for this event.
- More than 200+ feedbacks were received from the participants.
- National as well as International Doctorate participant were present during the Virtual Session contributing 30% of the participation count.

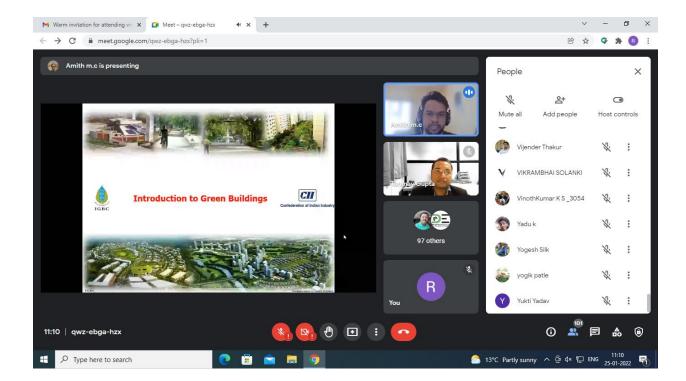


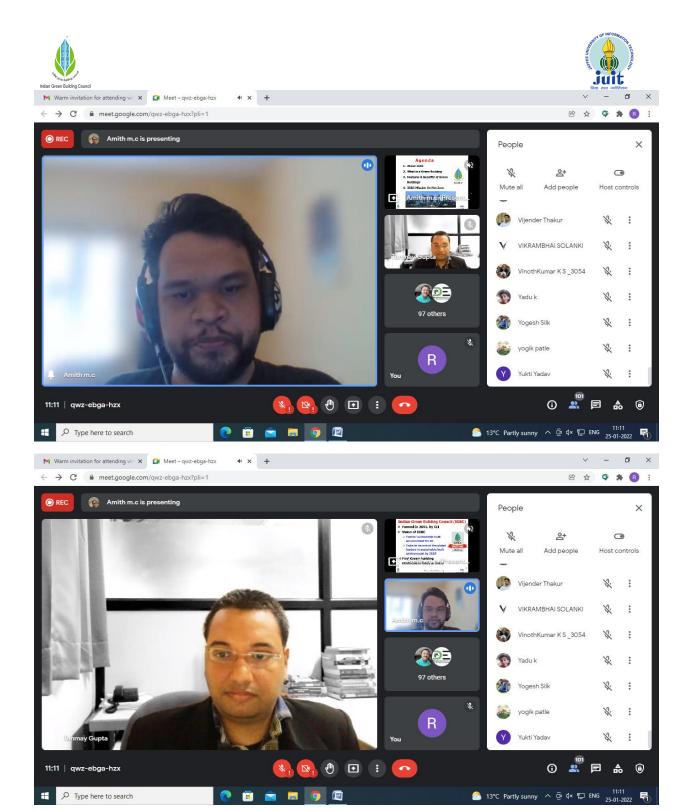


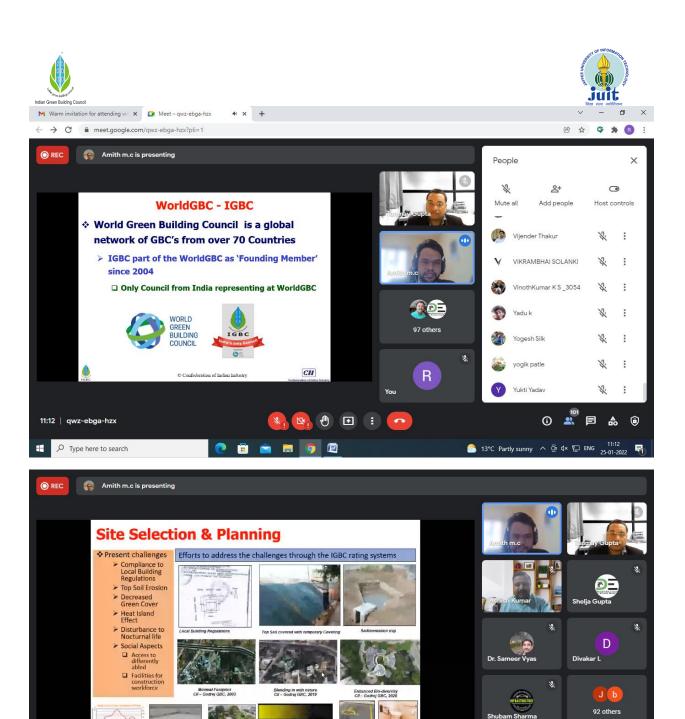
### **Certificates Distribution**

- Certificates were distributed on the basis of feedback form floated at the end of event in Google Meet and YouTube
- 201 Certificates were distributed
- All the queries regarding meeting, forms, and certificate were successfully handled and resolved by Dr. Tanmay Gupta and Ajay Singh Thakur

# **Screenshots of the Session**







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