



**MANIPAL UNIVERSITY
JAIPUR**

**FACULTY OF DESIGN
SCHOOL OF ARCHITECTURE AND DESIGN**

Passive Design for Buildings Workshop

in

**“Passive Design Strategies for Building:
A Step towards Net Zero Future.”**

Online : MS Teams

07th and 8th February 2022



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1. Introduction of the Workshop:

The two-day workshop on Passive House Design aims to acquaint the students with applying passive strategies into the design process. It aims to enhance understanding of the importance of net-zero buildings for the Indian context.

2. Objectives of the Workshop:

- Understanding the fundamentals of Passive House Design and identifying parameters those influence built form and performance.
- Basic application of the Passive Design for Net Zero buildings.
- Application and analysis of Passive Design in a built environment.

3. Beneficiaries of the Event:

- UG Students (Architecture, Design and Allied Fields)
- PG Students (Architecture, Design and Allied Fields)
- Research Scholars
- Academicians and Industry Professionals

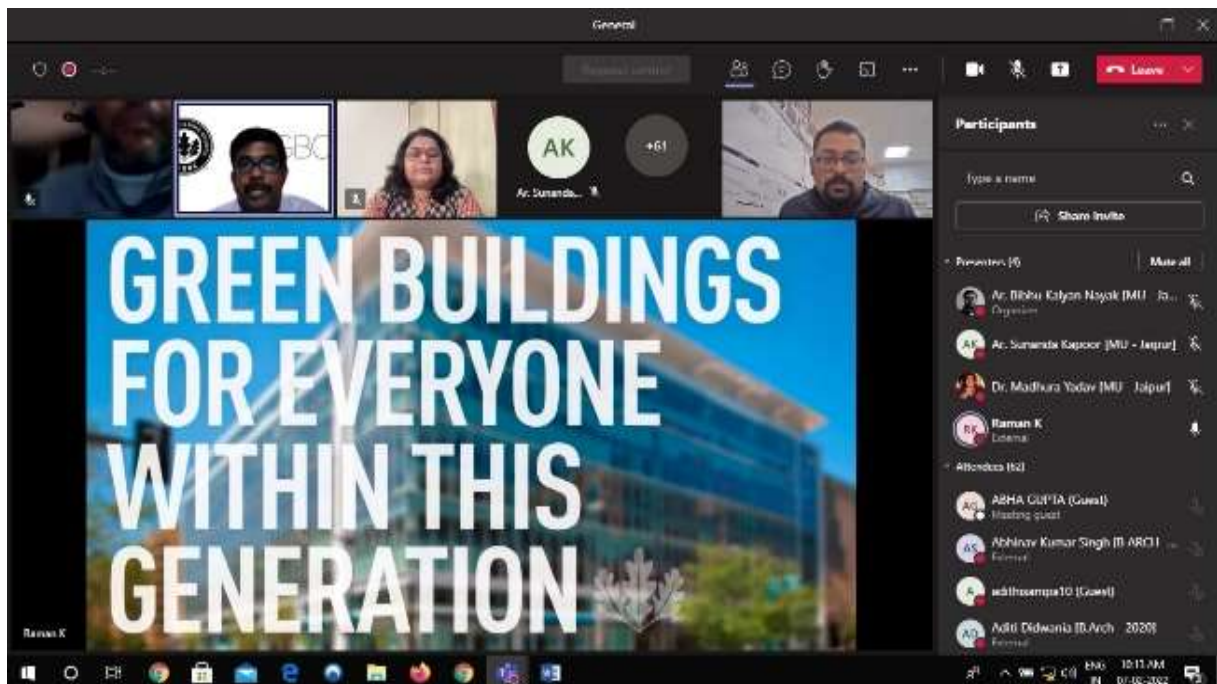
4. Details of the Guests:

<i>7th Feb 2022, Day 1:</i>	
	Session Details
<i>Session 1</i>	"Idea of Net Zero" by Ram Khandelwal, Consultant UN-Habitat, & Co-Founder, Urban Innovation Lab.
<i>Session 2</i>	"Health and Wellbeing: future drivers of lighting technology in built environment" by Marshal Maskarenj, University in Ottignies-Louvain-la-Neuve, Belgium
<i>8th Feb 2022, Day 2:</i>	
	Session Details
<i>Session 3</i>	"Role of Rating Systems for a Net Zero Future" by Nagesh Gupta from GBCI India
<i>Session 4</i>	"Introduction to Building Energy Simulation Tools" by Pranav Kishore from MAHE
<i>Session 5</i>	"Building Energy Simulation using Python programing" by Sai Kumar from MAHE

5. Brief Description of the event:

School of Architecture and Design conducted a two-day workshop on **‘Passive Design Strategies for Building; a step towards Net Zero Future’** to acquaint students, researchers, academicians, and professionals to passive design processes in buildings. The program was conducted in collaboration with GBCI, India. This kind of event will help to creating awareness on Net-Zero Building initiatives in India and abroad. The event received good number of registration from academia and students.

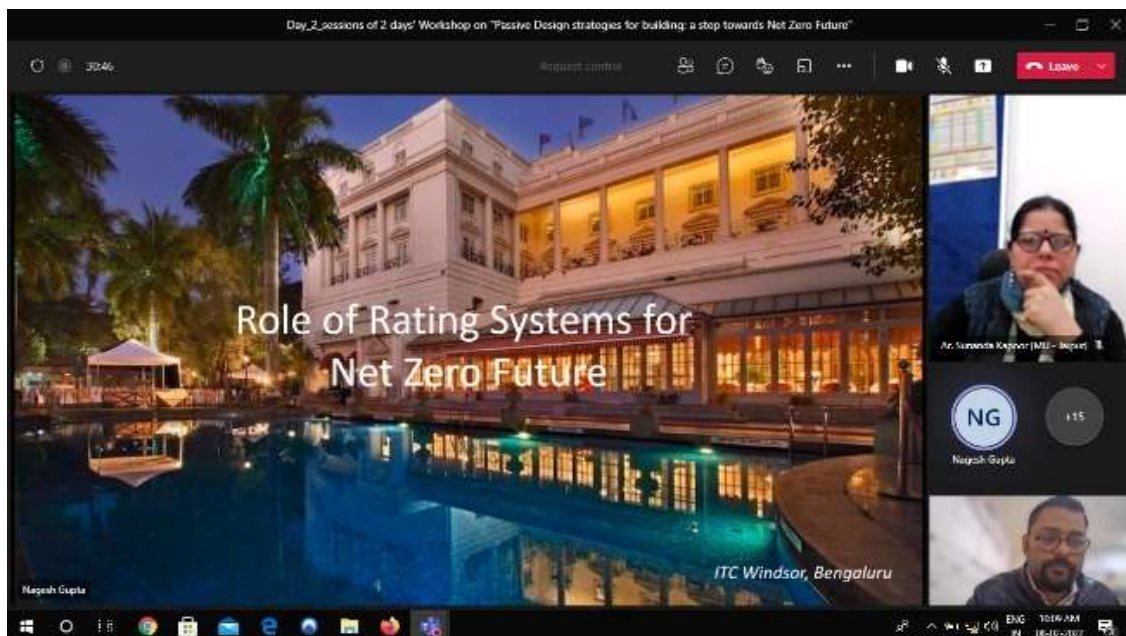
6. Screenshots of the event:



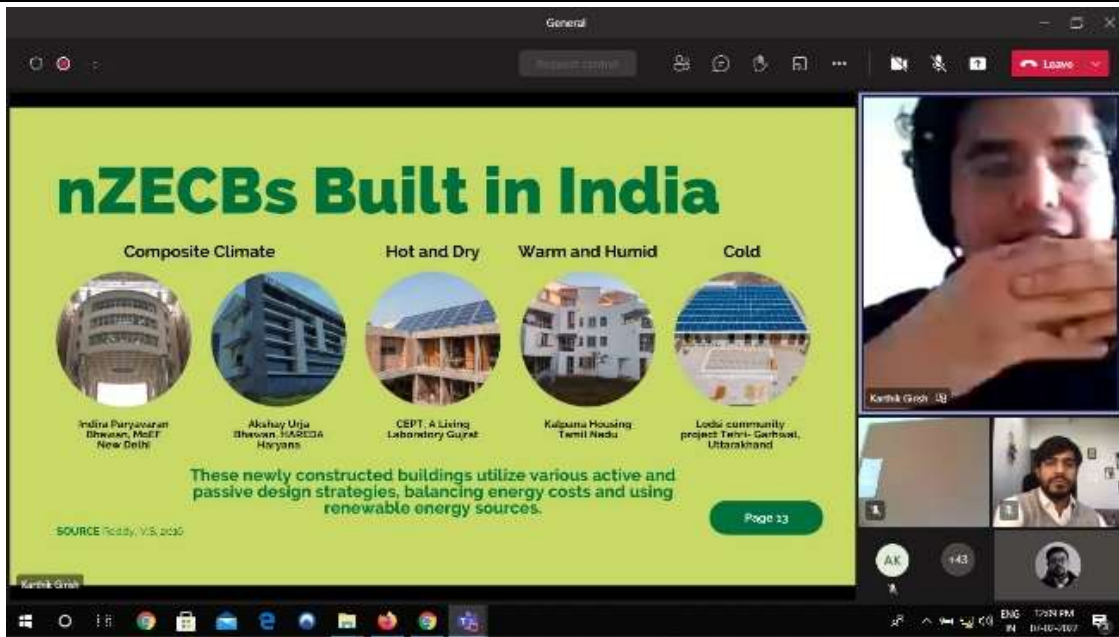
1. Inaugural Address by Prof. (Dr.) Madhura Yadav, Dean, FoD



2. First Lecture Session by Ram Khandelwal




3. Net Zero Rating system Lecture




4. Session on Net Zero in the context of India.




7. Brochure of the event:



**MANIPAL UNIVERSITY
JAIPUR**
(University under Section 2(f) of the UGC Act)



GBCI INDIA




MUJ
10 YEARS OF
EXCELLENCE

DECENNIAL YEAR CELEBRATION

Schedule for 2 days Workshop on

Passive Design Strategies for Building: A Step towards Net Zero Future.



School of Architecture and Design, Manipal University Jaipur is organizing the workshop in collaboration with GBCI India.

The two-day workshop on Passive House Design aims to acquaint the students with applying passive strategies into the design process. It aims to enhance understanding of the importance of net-zero buildings for the Indian context. Objectives of the workshop include:

- Understanding the fundamentals of Passive House Design and identifying parameters those influence built form and performance.
- Basic application of the Passive Design for Net Zero buildings.
- Application and analysis of Passive Design in a built environment.

Students, Research Scholars, Faculty Members and Professionals interested in the topic may register for the event

Mode of Conducting: Online Registration
Fee: Free for all participants
Registration Mode: Interested candidates may register themselves by 5th Feb 2022 using the following link: <https://forms.gle/h6DhF1medzDyuVr8Z>

Organizing committee:

Chief patron:
Dr. K. Ramnarayan,
Chair Person, Manipal University Jaipur

Patron:
Dr. G. K. Prabhu,
President, Manipal University Jaipur

Co-patron:
Dr. N. N. Sharma,
Pro President, Manipal University Jaipur
Dr. Nitu Bhatnagar,
Registrar, Manipal University Jaipur

Chair:
Dr. Madhura Yadav,
Dean, Faculty Of Design, Manipal University Jaipur

Vice chair:
Prof. Sunanda Kapoor,
Head, School Of Architecture And Design

Convener:
Mr. Bibhu Kalyan Nayak,
Associate Professor, School Of Architecture And Design
Mr. K. Raman, GBCI India

Co-coordinators:
Dr. Manish Sharma, and Mr. Rajneek Prasad,
Assistant Professor, School Of Architecture And Design

7th Feb 2022, Day 1:

Timing	Session Details
10:00 AM - 11:00 AM	Inauguration of the Workshop
11:30 AM to 12: 30 PM	"Ideas of Net Zero" by Ram Khandelwal, Consultant UN-Habitat, & Co-Founder, Urban Innovation Lab.
Lunch Break	
2: 00 PM - 3:00 PM	"Health and Wellbeing: future drivers of lighting technology in built environment" by Marshal Maskarwi, University in Ottignies-Louvain-la-Neuve, Belgium

8th Feb 2022, Day 2:

Timing	Session Details
10:00 AM - 11:30 AM	"Role of Rating Systems for a Net Zero Future" by Nagesh Gupta from GBCI India
11:30 PM to 1: 00 PM	"Introduction to Building Energy Simulation Tools" by Praveer Kishore from MAHE
Lunch Break	
2: 00 PM - 3:30 PM	"Building Energy Simulation using Python programing" by Sai Kumar from MAHE
3:30 PM - 3:45 PM	Concluding Session

For more information and update,
Please contact: **Mr. Bibhu Kalyan Nayak.**
Email ID: bibhukalyan.nayak@jaipur.manipal.edu



8. Schedule of the event

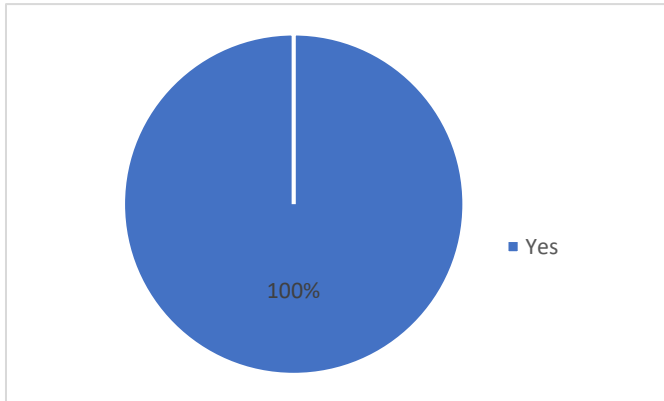
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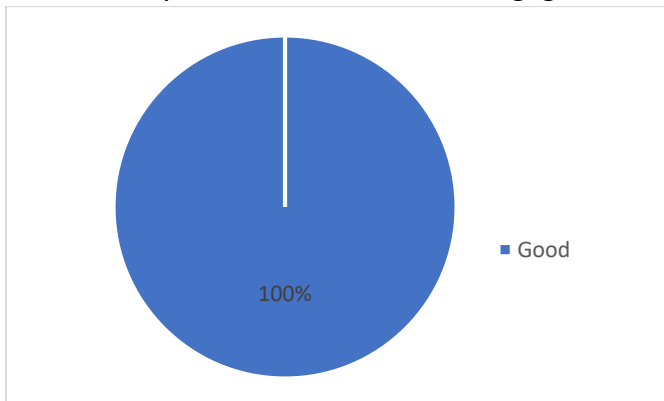
Please see the annexure: 1

10. Feedback of the Event:

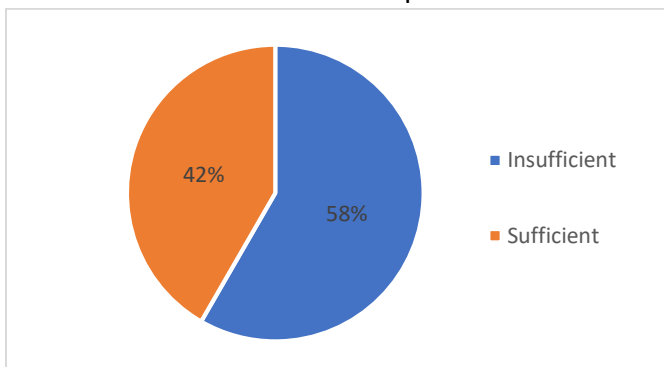
Did you learn something new from the workshop?



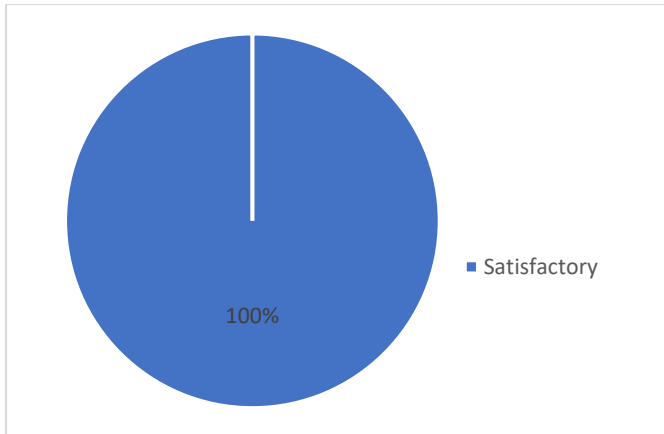
How would you describe the tutor's engagement?



Time duration for the workshop



Resources given during the workshop



11. Weblink:

12. Event Coordinators:

Convener:

- **Ar. Bibhu Kalyan Nayak** (Associate Professor, SA&D)

Coordinators:

- **Ar. Raunak Prasad** (Assist. Prof., SA&D)
- **Dr. Manish Sharma** (Associate Prof. SA&D)

Ar. Bibhu Kalyan Nayak (Associate Professor, SA&D)