

## Green Buildings in Residential Sector

Date: 05<sup>th</sup> May ; 09:30 hours to 17:30 hours

Venue: IIT Kharagpur Research Park, New Town

### Introduction

#### India's Net Zero Goal

By 2070: To achieve net zero emissions - carbon emissions will be balanced by carbon absorption



Promote adaptation in urban design, energy and material efficiency in buildings, and sustainable urbanization



Promotion of Green Buildings

In the context of importance of Green Building in achieving India's Net Zero Goal, unfortunately, very **limited focus is put on constructing green residential buildings**, which comprise 40 – 45% of construction sector. Also, Majority of footprints of buildings to come up in 2050 are already built (UN Report)

This awareness workshop attempts to get together all stakeholders from demand as well as supply side for dissemination of **Technical Knowledge & Awareness Generation on several aspects of Green Buildings.**

### Maximum capacity: 50

The participants will experience enriching talks, panel discussions and interactive sessions on several aspects of Green Building including benefits (i) environmental, (ii) long-term economic, (iii) social

### Who will attend?

- Professional Architect & Engineers
- Faculty and Students from relevant discipline
- Developers and Promoters (mid and small scale)
- End Users

### Fees:

- Participation is free of cost
- For participation certificate – prior online registration is required on payment of fees of INR 1000



Myth	Reality
Green buildings are just a trend	- Green buildings are essential for sustainability, reducing energy use, and improving occupant health.
They are too expensive	- While initial costs may be higher, long-term savings in energy, water, and maintenance make them cost-effective.
They are difficult to maintain	- Efficient systems and durable materials reduce maintenance needs compared to conventional buildings.
Only new buildings can be green	- Existing buildings can be retrofitted with sustainable technologies for improved efficiency.

Agenda	
09:00 – 09:30	Registration
09:30 – 09:45	Introduction to the workshop – Prof. S. Chattopadhyay and Prof. T. N. Mazumder
09:45 – 10:00	Keynote addresses 01 – Prof. S.P. Bhattacharya, Prof. Sumana Gupta
10:00 – 10:15	Keynote addresses 02 – Prof. S.P. Bhattacharya and Prof. P. Anand
10:15 – 10:45	Keynote addresses 03 – Technical lecture with real life examples
10:45 – 11:00	Q&A by audience
11:00 -11:30	Tea – break
11:30 – 13:00	<p><b>Panel discussion 01 – Are Green buildings just a trend or a Necessity?</b> Session chairs: Prof. Subrata Chattopadhyay and Prof. Haimanti Banerji</p> <p><b>Participants:</b></p> <ul style="list-style-type: none"> <li>• Executive Director, BMTPC</li> <li>• CMD, HUDCO / nominee</li> <li>• Chief Architect, CPWD</li> <li>• Chief Engineer, CPWD</li> <li>• Principal Architect &amp; Partner Ghosh Bose &amp; Associates, former president IGBC</li> <li>• Senior Executive from SBI</li> <li>• Developers from Kolkata and Kharagpur</li> </ul> <p><b>Q&amp;A by audience</b></p>
13:00 – 15:00	Networking Lunch
15:00 – 16:30	<p><b>Game-Based Learning for Green Building Education</b> <b>Dr. Balaji Kalluri, Ph.D.</b> Assistant Professor, Environmental Studies Founder and Principal Researcher of KUDOS Department of Physical and Natural Sciences FLAME School of Liberal Education, FLAME University Coordinator: Prof. P. Anand, Prof. S. P. Bhattacharya and Mr. Nilabhra Mandal</p> <p><b>Participants: All who are attending the workshop</b></p>
16:30 – 17:00	Summing up and Feedback Session - Participants talk on what they learnt
17:00 – 17:30	Distribution of Certificate and Closing of workshop