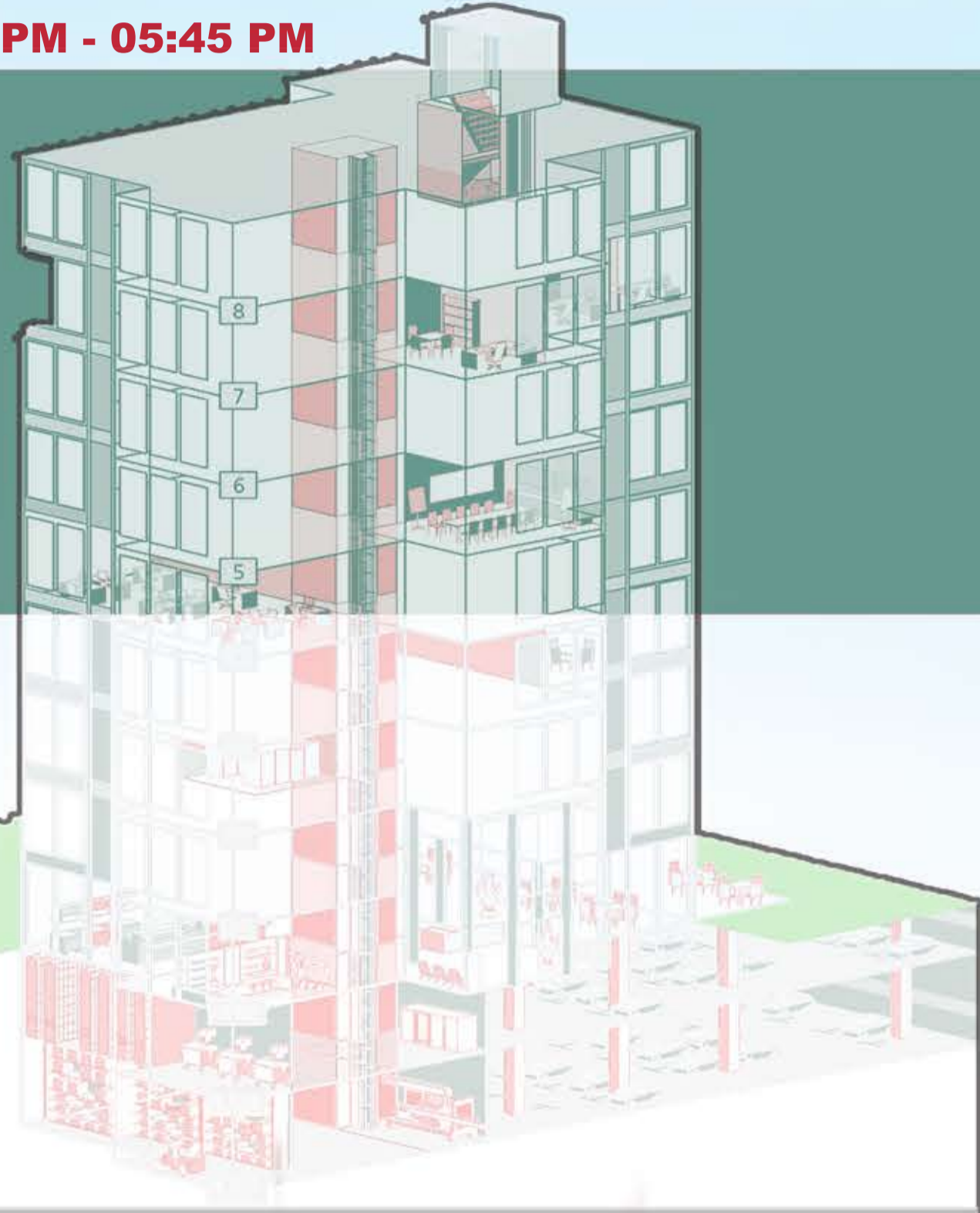


## INTEGRATING FIRE SAFETY AND PERFORMANCE IN SUSTAINABLE BUILDING ENVELOPE DESIGN

Date: 17th to 21th March 2025 - 02:30 PM - 05:45 PM

Fire incidents have increased due to both natural and human-made factors, posing threats to life, property, and infrastructure. Informal construction practices and non-compliance with safety codes, common in developing regions, exacerbate fire risks. Substandard materials and unauthorized building modifications, like added floors, create hazards and hinder evacuation. To address these challenges, there is a need for awareness and training among architects, infrastructure teams, and policymakers. Promoting fire-safe design, adherence to building codes, and proactive infrastructure upgrades are crucial. The building envelope, as the first line of defense, is key to ensuring safety, energy efficiency, and sustainability. This Faculty Development Program (FDP) focuses on integrating fire safety with sustainable building envelope design to improve safety, performance, and resilience.



### The main Objectives of the program are:

1. Understand fire safety standards, codes, and regulations for building envelopes while integrating sustainability.
  2. Learn strategies to design fire-safe and high-performance building envelopes for better safety and efficiency.
- Encourage collaboration among architects, engineers, and fire safety experts for innovative solutions.
- Equip faculty with knowledge and tools to teach fire safety and sustainable building envelope design.

### Takeaways of the Faculty Development Program (FDP):

1. Learn to integrate fire safety into building envelope design while ensuring sustainability.
2. Apply fire safety strategies in architecture for safer, more efficient buildings.
3. Explore real-world case studies and interdisciplinary solutions.
4. Enhance teaching with modern fire-safe and sustainable construction practices.

### Notes:

- Teachers/ architects who wish to register for the training program either under Collaborative Training Program (CTP 2022-23) or as independent individuals may do so by filling up the Google form available on the given link.
- To confirm registration, kindly upload proof of payment towards the registration fees /nomination form on college letterhead before submitting the registration form.
- Link to join the program will be shared one day prior to the program
- This program is not for students.
- E-Certificate of said training program shall be send via email on registered email id of participants, after successful completion of training program by participant i.e. attending all sessions and submitting all assignments, EoPT and feedback form of training program.

Last date for registration : 13 March 2025

Link to register: <https://forms.gle/Ao4XS2JH9E7PZRseA>

Registration fees: Rs.1,500/- (Rupees One thousand five hundred)

Link for online payment:

<https://eazypay.icicibank.com/eazypayLink?P1=KOOKQYjNFb8LZHkyuUDx6Q==>

Link for Nomination form under CTP 2022-2023 and 2023-2024:

[https://drive.google.com/file/d/1WVTAu2PqzFq-Avs2xGVBbqLZwK2Fi6-\\_view?usp=sharing](https://drive.google.com/file/d/1WVTAu2PqzFq-Avs2xGVBbqLZwK2Fi6-_view?usp=sharing)

Registration on first come first serve basis

SPEAKERS



**Dr. Pratima Dhoke**  
Professor at Smt. M.M. College of Architecture, Nagpur  
Regulatory frameworks and building codes related to fire safety in envelopes.



**Ar. Shreyash Sarmalkar**  
Founder, Principal Architect, and PM Consultant at ESQUAARE  
Challenges in fire-safe envelope design in urban and high-density areas.



**Dr. Parag Narkhede**  
Head of BKPS College of Architecture, Pune  
Innovations in Advanced construction materials for fireproof insulation.



**Ar. Indranil Bhattacharya**  
Technical Advisor at BRAE and adjunct professor at NITTE School of Architecture  
Balancing aesthetics, functionality, and fire safety in envelope design.



**Mr. Lalit Nagpure**  
Assistant Vice President, Facilities, Brigade Group  
Integration of fire barriers, dampers, fire-stopping mechanisms.



**Dr. Nagendra Narayan**  
Professor at Lovely Professional University  
Retrofitting old buildings with fire-safe envelope systems.



**Mr. Raghvendra Khot**  
General Manager at Raheja Corp, Mumbai  
Fire risk assessment tools and simulation software for envelope design.



**Mr. Shivaramakrishnan V**  
Founder of S&S Consulting Engineers and President of FSAI Chennai Chapter  
Smart building technologies: Sensors and fire monitoring systems in envelopes.



**Ar. Neha Bhatia**  
I/C Principal at Smt. K L Tiwari College of Architecture  
Addressing specific challenges in Indian and global contexts. Trends in fire-resilient construction



**Dr Manoj Kumar**  
Professor at the Department of Architecture and Planning, NIT Patna  
Open forum: Discussion on future research, education, and implementation strategies.

### Convened by :

Prof. Jayashree Deshpande,  
Director, COA-TRC, Pune

### Coordinated by

Dr. Mamatha P Raj,  
Professor & Director,  
BMS College of Architecture, Design and Planning, Bengaluru

### Online coordinators

Dr. Yogita Nagpure,  
Associate Professor

Ar. Rohini Iyengar,  
Assistant Professor,

BMS College of Architecture, Design and Planning, Bengaluru