



**Council of Architecture-TRC, Pune**  
On-Line Collaborative Training Program,  
in association with

**SJB School of Architecture & Planning, Bengaluru**



# TOWARDS CARBON NEUTRALITY IN CONSTRUCTION : Strategies and Solutions

**25th November to 29th  
November, 2024**

*Time 10:30 am to 1:45 pm IST*

## **Link to register**

<https://forms.gle/Ao4XS2JH9E7PZRseA>

## **Link for online payment**

<https://eazypay.icicibank.com/eazypayLink?P1=K00kQYjNFb8LZHkyuUDx6Q==>

## **Link for Nomination form under CTP 2023-2024:**

[https://drive.google.com/file/d/1WVTAu2PqzFq-Avs2xGVbbqLZwK2Fi6-\\_/view?usp=sharing](https://drive.google.com/file/d/1WVTAu2PqzFq-Avs2xGVbbqLZwK2Fi6-_/view?usp=sharing)

**Deadline for registration: 19th  
November 2024**

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

**EoPT is scheduled on Friday, 29th  
November 2024, 2.00 pm to 3.00 pm**

## **INSIGHTFUL SESSIONS**

### **About the program**

*The construction industry significantly contributes to greenhouse gas emissions through its activities and supply chains, accounting for 40% of global energy consumption and a quarter of CO2 emissions. Achieving carbon neutrality in the building sector is critical to meet India's COP26 commitment to reduce emission intensity by 40%. This includes transitioning to carbon-negative or carbon-neutral buildings by 2030, aligning with India's goal of 40% electricity from non-fossil sources by the same year. Key sub-themes to address this goal include- Reducing Embodied and Operational carbon through comprehensive strategies, Passive Architecture for low energy consumption, Sustainable building materials, and Circular Economy. Additionally, High-performance design are vital for energy optimization, while Indian Green Building Rating frameworks (GRIHA, IGBC, LEED India) embed decarbonization strategies. These frameworks facilitate alignment with global climate goals through sustainable site planning, energy management, and material efficiency.*

### **Objectives**

1. *Understand strategies to reduce embodied and operational carbon in the construction sector.*
2. *Explore architectural and planning approaches for low energy consumption.*
3. *Examine the role of sustainable building materials in reducing carbon emissions.*
4. *Applied climatology for High-Performance Design.*
5. *Evaluate Indian Green Building Rating frameworks in the context of decarbonization.*

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## Strategies and Solutions

25th November to 29th November, 2024  
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### Guest Speakers



**MAKRAND BHOOT**  
*Director P-A-T-H,  
New York*



**DR. IYER VIJAYALAXMI K**  
*Professor in Dept. of Architecture,  
SPA, Vijayawada*



**DEEPA PAREKH**  
*Sustainability Consultant  
Net Zero Education Expert*



**DR. SHILPA MADANGOPAL**  
*Professor,  
SJB SAP, Bengaluru*



**DIGISHA PATEL**  
*Associate  
Kapadia Associates,  
Mumbai*



**DR. PURVA TAVRI**  
*Senior Lecturer in  
Environmental Management,  
Kingston University London*



**DR. SHADY ATTIA**  
*Prof. in Sustainable Architecture  
& Building Technology, University  
of Liège, Belgium*



**NEHA AWASTHI**  
*Senior Manager, Mobility  
C40 Cities,  
New Delhi*



**GAGAN D KECHIRA**  
*Senior Manager, ESG, Colliers  
International*



**ANUBHA ASHTIKAR**  
*Sustainability Architect*

#### PLEASE NOTE:

#### ELIGIBILITY DETAILS

Teachers/ Architects who wish to register for the training program either under the Collaborative Training Program (CTP 2023-24) 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 /CTP nomination form on college letterhead before submitting the registration form.**

- The Training program will be conducted online. The link to join the program will be shared one day prior to the program.
- **This program is not for UG students.**
- E-Certificate of said training program shall be sent via email to the registered email id of participants, after successful completion of the training program by participant i.e. attending all sessions and submitting all assignments, submitting EOPT and feedback form of the training program.
- **EOPT is scheduled on Friday, 29th November 2024, 2.00 pm to 3.00 pm.**

#### CONVENED BY:

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

#### PROGRAM COORDINATOR:

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#### ONLINE COORDINATOR:

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