



**CHANDIGARH  
UNIVERSITY**

Discover. Learn. Empower.



**5 DAYS ONLINE TRAINING  
PROGRAMME**

Council of Architecture Training & Research Centre  
in collaboration with  
University Institute of Architecture.  
Chandigarh University  
presents

# MATERIAL EVOLUTION THROUGH EXPERIENTIAL LEARNING

BRIDGING TRADITION AND TECHNOLOGY

27<sup>th</sup> to 31<sup>st</sup> October, 2025

2:30 pm to 5:45 pm

This Online Training Programme on “Material Evolution through Experiential Learning: Bridging Tradition and Technology” aims to bridge the gap between traditional construction knowledge and contemporary material innovations. By exposing participants to emerging materials, sustainable practices, and modern fabrication techniques, the program enhances understanding of material performance, design adaptability, and practical applications in the evolving architectural landscape. It emphasises experiential learning, encouraging architects and educators to integrate hands-on insights into teaching and practice.

MATERIAL AWARENESS | SUSTAINABILITY | INNOVATION & TECHNOLOGY | EXPERIENTIAL LEARNING | PEDAGOGICAL INTEGRATION | EMERGING TRENDS

## Key Highlights

1. Explore the evolution of construction materials—from vernacular wisdom to modern innovation.
2. Experience hands-on learning through real-world material applications and case studies.
3. Discover sustainable, eco-friendly, and future-ready building technologies.
4. Engage with leading experts in architecture, materials science, and construction innovation.
5. Bridge tradition and technology to redefine material pedagogy in architectural education.

## Key Takeaways

1. Enhanced understanding of the evolution of construction materials, from traditional techniques to cutting-edge technologies.
2. Practical insights into sustainable, eco-friendly, and innovative material applications in modern architectural practice.
3. Exposure to experiential learning methods for integrating material knowledge into teaching and professional design workflows.
4. Awareness of emerging trends such as nanotechnology, 3D printing, and advanced concrete formulations and their impact on architecture.

### Registration fees:

₹1,500/- (Rupees One thousand five hundred only)

### Last date for registration:

16 October 2025, 05.30 PM

### Link to register:

<https://forms.gle/Ao4XS2JH9E7PZRseA>

### Link for online payment:

<https://eazypay.icicibank.com/eazypayLink?P1=KOOKQYjNfb8LZHkyuUDx6Q==>

### Link for Nomination form under CTP 2023-2024 and 2024-2025:

<https://drive.google.com/file/d/1NUWCckxuXdABP44kxCETJmRUnWIRIHKK/view>

REGISTRATION DETAILS

### Notes:

- Teachers/architects/Civil Engineers 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.

EOPT is scheduled on Friday, 31st October, 6.00 pm to 7.00 pm



SCAN TO REGISTER

### Convener:

Prof. Jayashree Deshpande  
Director,  
Council of Architecture -  
Training and Research Centre,  
Maharashtra

### Program Coordinator:

Prof. Swati Behl Uppal,  
Principal,  
University Institute of Architecture,  
Chandigarh University  
Mohali, Punjab

### Online Coordinator:

1. Dr. Kapil Kumar Sinha, Assistant Professor  
[kapil.e17598@cumil.in](mailto:kapil.e17598@cumil.in), +91 9806181263

2. Ar. Bhavna Sharma, Assistant Professor  
[bhavna.e17418@cumail.in](mailto:bhavna.e17418@cumail.in), +91 9814996777

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# MATERIAL EVOLUTION THROUGH EXPERIENTIAL LEARNING

BRIDGING TRADITION AND TECHNOLOGY

27<sup>th</sup> to 31<sup>st</sup> October, 2025

## Experts



Prof. Niyati Jigyasu,  
Professor  
Chandigarh University



Ar. Sandeep Sikka,  
APS, New York



Dr. Priyanka Kochhar,  
CEO  
The Habitat Emprise



Ar. Neelam Manjunath,  
Principal,  
Manasaram Architects



Ar. Savneet Kaur,  
Principal Architect,  
Imarat Architects



Mr. Dishaant Badlani,  
Director,  
Prayag Clay



Ar. Keyur Sarda,  
Director,  
Kesarjan Building Centre



Er. Ravijeet Singh,  
CEO, RS Builders



Dr. Aditya Tiwari,  
Professor,  
Chandigarh University



Ar. Noor Dasmesh Singh,  
Principal, NOOR  
Architects Consultants

## Schedule

Day	Time	Session Title	Speakers
Oct 27	2:30-4:00 PM	Addressing Gaps in the Teaching of Construction Materials and Techniques	Prof. Niyati Jigyasu, Chandigarh University
	4:15-5:45 PM	Innovations and Adaptations of New Age Construction Materials in Practice	Ar. Sandeep Sikka, APS, New York
Oct 28	2:30-4:00 PM	Strategies and Benefits of Using Environmentally Friendly Construction Materials	Dr. Priyanka Kochhar, CEO The Habitat Emprise
	4:15-5:45 PM	Bamboo Technology and Its Role in Sustainable Architecture	Ar. Neelam Manjunath, Principal, Manasaram Architects
Oct 29	2:30-4:00 PM	Traditional Adobe Techniques and Modern Adaptations for Eco-friendly Building	Ar. Savneet Kaur, Principal Architect, Imarat Architects
	4:15-5:45 PM	Recycled or Industry Wastage Material/ Hollow Brick	Mr. Dishaant Badlani, Director, Prayag Clay Products Limited
Oct 30	2:30-4:00 PM	Emerging Experimental Materials and Their Application Potential	Ar. Keyur Sarda, Director, Kesarjan Building Centre
	4:15-5:45 PM	Advances in Concrete Technology: Innovative Formulations and Uses	Er. Ravijeet Singh, CEO, RS Builders
Oct 31	2:30-4:00 PM	Cutting-edge Nanotechnology and Advanced Materials in Construction	Dr. Aditya Tiwari, Professor, Chandigarh University
	4:15-5:45 PM	3D Printing Technologies and Their Impact on Modern Architecture	Ar. Noor Dasmesh Singh, Principal Architect, NOOR Architects Consultants



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