



Materials and Construction Techniques in Architecture – Today & Tomorrow

5 Days Online Training Programme | 23rd to 27th February 2026 | 10:30 am to 01:45 pm

Preamble

The program is tuned and oriented to capture the interest of practicing architects, interior designers, project managers, construction professionals, urban planners and faculty members. It seeks to update their knowledge and skills in cutting-edge materials, technologies, and sustainable practices in architecture, construction, interiors and heritage conservation. Hands-on demonstration of BIM workflow for material application and estimation in architecture will also facilitate the same.

Objectives and Significance

Upon successful completion of this Programme, participants will be able to:

- Analyze and integrate contemporary and advanced building materials and construction techniques into design practice.
- Incorporate innovative interior design techniques that enhance user experience and well-being.
- Understand and implement best practices in heritage conservation, recognizing the balance between preservation and contemporary needs.
- Explore the role of BIM (Building Information Modeling) in architecture and interior design.

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

Coordinated by
Dr. Mouli Majumdar
Assistant Professor, A&P, IIEST, Shibpur

Online Coordinators
Dr. Krishanu Santra
Assistant Professor, A&P, IIEST, Shibpur
&
Ar. Sovan Saha
Assistant Professor, A&P, IIEST, Shibpur

Last Date for Registration
21st February | 05.30 pm

End of Programme Test (EoPT)
27th February | 02:00 – 03:00 pm

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

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

Link for online payment :

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

***Colleges may nominate faculty under CTP 2024-25 and 2025-2026.**

Link for nomination form :

https://drive.google.com/file/d/1x114OI4Y6q3yCY8miF33xwUo2NPSp7Ht/view?usp=drive_link

Esteemed Speakers

Day 1 | 23rd February 2026 | 10:15 am to 01:45 pm

Contemporary Building Materials & Construction Techniques in Architectural Practice

Session 1 | Overview of Building Materials and Construction Techniques

Session 2 | Research and Innovation in Building Materials and Construction Techniques

Session 3 | Building Materials and Construction Techniques in present-day Architectural Practice



Ar. Pritam Nath
Consulting Architect,
Neev, Guwahati



Dr. Anup Kr. Prasad
CBRI
Roorkee



Ar. Ranit Maiti
Square
Kolkata

Day 2 | 24th February 2026 | 10:30 am to 01:45 pm

Advanced Building Materials & Construction Techniques in Architectural Practice

Session 1 | Megastructures

Session 2 | Future of Building Materials and Construction Techniques in Architectural Practice



Ar. Sudipta Ray
Urban Designer,
Project Manager ,
Mumbai



Ar. Sudipto Ghosh
S. Ghosh Architects
Delhi

Day 4 |
26th February
2026 |

10:30 am to
01:45 pm |
**Application of
BIM in
Architectural
and Interior
Design
Practice I**

Session 1 & 2

Day 3 | 25th February 2026 | 10:30 am to 01:45 pm

Interior Design Practice - Materials & Techniques

Session 1 | Interior Design Industry

Session 2 | Present & Future of Interior Design Practice



Ar. Kamal Periwal
Maheshwari &
Associates , Kolkata



Ar. Arnab Sengupta
Designovate India
Pvt. Ltd. , Bangalore



**Ar. Soumoyadip
Sarkar**
BIM Expert , Durgapur

Day 5 | 27th February 2026 | 10:30 am to 01:45 pm

Heritage Conservation - Materials & Techniques

Session 1 | Reinterpreting Heritage

Session 2 | Contemporary Conservation Practices

End of Programme Test (EoPT) | Total 45 Marks



Dr. Aishwarya Tipnis
Aishwarya Tipnis
Architects , Delhi



Dr. Benny Kuriakose
Benny Kuriakose &
Associates , Chennai

**Tutorial
along-with
Hands on
Exercise
will require
a laptop or
a desktop**

Key Takeaways

- Contemporary structural and material challenges in design and construction techniques.
- Climate-responsive architecture, integrating traditional knowledge with scientific validation.
- Material science and construction techniques in design and construction of megastructures.
- Present and future of Interior Design practice in terms of material and techniques, for diverse projects like corporate interiors to residential design.
- BIM workflow for efficiently managing and updating material specifications within the BIM environment.
- Integrating conservation focused on sustainable and vernacular architecture.

Notes:

- Teachers/ Architects who wish to register for the training program either under Collaborative Training Program 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 sent 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.

For Inquiries | coaiiestonlineprogram@gmail.com