

Council of Architecture Online Training Programme
in Collaboration with Thakur School of Architecture & Planning, Mumbai
INTERPRETATIONS OF SDGs IN ARCHITECTURE PEDAGOGY
Building Construction & Services



Convenor : Prof. Jayashree Deshpande, Director CoA-TRC, Pune
Coordinator : Ar. Dhiraj Salhotra, Principal, Thakur School Architecture & Planning, Mumbai

The **Building Construction and Services** track in architectural education is essential for integrating **sustainable practices** into the **design, construction, and operation** of buildings. As the world faces urgent environmental challenges, it is imperative that architectural education adapts to embrace the **Sustainable Development Goals (SDGs)**. The FDP aims to provide architecture faculty with the tools and knowledge necessary to embed these global sustainability goals into their teaching. It will focus on how building services-such as

- **HVAC systems,**
- **Firefighting,**
- **Waste management,**
- **Energy- efficient solutions**

By leveraging **cutting-edge technologies** and **innovative methodologies**, faculty will be equipped to teach students the principles of **sustainable architecture** that align with SDGs, The objective of this FDP is

- To enhance the understanding of **sustainable construction practices** and **building systems** within the architectural curriculum.
- To understand methods, materials, and technologies that can directly contribute to sustainability.
- To ensure that future architects are prepared to design buildings that are both **environmentally responsible** and **resilient**. The

It will also focus on developing **innovative pedagogical strategies** that equip educators with the knowledge to teach future architects about the role of construction in achieving global sustainability targets.

TTP Dates: Monday, 27.01.2025 to Friday, 31.01.2025
10:30 am to 1:45 pm

Deadline for registration:
Thursday, 23.01.2025

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==>

EoPT - End of the Program
Tutorial will be conducted on
Day 5 between 2.00 - 3.00 pm

Link for Nomination form under CTP 2023-2024 : <https://drive.google.com/file/d/1WVTAu2PqzFq-Avs2xGVBbqLZwK2Fi6-/view?usp=sharing>

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.

Online Co-ordinators:

Ar. Saylee Soundalgekar

Assistant Professor, Mumbai

Mobile No.: +91 9821648149

Email ID: sayleesoundalgekar@tsapmumbai.in

Thakur School of Architecture & Planning

Ar. Kalyani Varade

Assistant Professor, Mumbai

Mobile No.: +91 9420267591

Email ID: kalyani.varade@tsapmumbai.in

Thakur School of Architecture & Planning



Council of Architecture Online Training Programme
in Collaboration with Thakur School of Architecture & Planning, Mumbai
INTERPRETATIONS OF SDGs IN ARCHITECTURE PEDAGOGY
Building Construction & Services



By aligning building services with SDGs, this FDP aims to foster a generation of architects capable of designing and constructing buildings that respond to environmental challenges, contribute to social equity, and meet global sustainability objectives.

Key takeaways

- Faculty will learn how to embed Sustainable Development Goals (SDGs) into the architectural curriculum.
- Participants will acquire innovative pedagogical strategies for delivering content on sustainability and resilience.
- Participants will have the opportunity to collaborate with experts across various disciplines, fostering a deeper understanding of how architecture intersects with engineering, environmental science in the context of sustainability.

Day 1 : Monday, Date: 27.01.2025



Amol Pore
M.E. Mechanical (Heat & Power)
Head MEP Design (Mechanical) -
L&T Realty
Pune, India

**Energy-Efficient Building Systems:
HVAC and Beyond**



Sabu Francis
Chief Architect: Sabu Francis &
Associates. Founder at Limen Leap
Labs and Syncspace. Mentor
Thrissur, Kerala, India

**Building Information Modelling for
Sustainable Infrastructure Development
(Part 1)**

Day 2 : Tuesday, Date: 28.01.2025



Manish Parekh
Owner, Aqualine Engineers
Mumbai, Maharashtra, India

**Water Supply and Distribution for
Sustainable Buildings**



Sabu Francis
Chief Architect: Sabu Francis &
Associates. Founder at Limen Leap
Labs and Syncspace. Mentor
Thrissur, Kerala, India

**Building Information Modelling for
Sustainable Infrastructure Development
(Part 2)**

Day 3 : Wednesday, Date: 29.01.2025



Santosh Warick
Chief Fire Officer at
MIDC Fire Service
Mumbai, India

**Innovations in Fire Safety Systems for
Sustainable and Resilient Architecture**



Dr. Pratima Dhoke
Professor at
M.M. College of Architecture
Nagpur, India

**Enhancing fire safety Resilience in
Building Design**

Day 4 : Thursday, Date: 30.01.2025



Dr. Shanmuga Priya G.
Associate Professor,
School of Planning and Architecture,
Vijayawada, India

**Embodied carbon in landscape
design and construction**



Mr. Amalan Sigmund Kaushik
Assistant Professor,
National Institute of Technology,
Tiruchirappalli, India

**Enhancing Thermal and Acoustic
Performance in Building Envelopes**

Day 5 : Friday, Date: 31.01.2025



Shekhar Nagargoje
Associate Director Programs,
Associate Professor,
Real Estate and Urban Infrastructure,
Mumbai, Maharashtra, India

**Managing Risks in Construction for
Sustainable and Safe Projects**



Dr. Bijay Kumar Das
Associate Professor
National Institute of Technology,
Patna, India

**Revitalizing Tradition - Sustainable
Retrofitting with Vernacular Materials
for Resilient Buildings**

