In collaboration with

Pimpri Chinchwad Education Trust's

S. B. Patil College of Architecture and Design

05-Day Offline Faculty Development Program (FDP) UNDER COA-TRC TEACHERS TRAINING PROGRAM (TTP)

DATE: 05/01/2026 TO 09/01/2026

Parametric Design and 3D Concrete Printing in Architecture

Theme: Blending Tradition, Technology & Tectonics in Architectural Practice

Takeway

Last date:

30 Dec. 2025

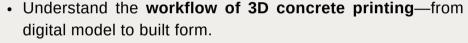
The architectural profession is undergoing a paradigm shift where traditional design approaches are being redefined through computational design and digital fabrication technologies. This program empowers architecture faculty and professionals to integrate parametric design thinking with 3D concrete printing, fostering responsive, sustainable, and

innovative built forms. Participants will gain:

About the Program

- Exposure to Grasshopper, Rhino, and related computational tools.
- Insights into 3D concrete printing processes and workflows.
- Strategies for integrating traditional principles with emerging digital technologies.
- Opportunities for experimental prototyping, site visits, and live demos.





 Learn to integrate contemporary design principles with computational processes.

Explore hands-on workshops for material behavior and

- its influence on digital fabrication.
- Apply logic-based, algorithmic design thinking to real architectural problems.

• Experience site visits and live demonstrations with industry experts.



Key Speakers



Ar. Amit Gupta From Tradition to Technology: Understanding Parametric Design



Ar. Jwalant Mahadevwala Designing with Purpose-Parametric Design for Community Oriented Spaces



Ar. Shripad Bhalerao Studio-Based Learning for Parametric—Framing studio projects with logic-based design



Ar. Khushbu Davda Urban Morphologiesurban-scale challenges



Ar. Poonam Sardesai Principles of Parametric Thinking—Rule-based design form development, Associative



Ar. Kaushik Sardesai Parametric Form Generation with the help of different software platforms



Ar. Takbir Fatima Structural Optimization Using (Hands-on Workshop)



Ar. Krishna Murthy Visit Fold Design Studio to experiments and material



Dr. Shashank Shekhar Design to Print-Printing in Practice



Dr. D.S. Lal Digital Fabrication and (on-site demonstration)

Registration Details

- Link to Register: Click here to Register
- Registration Fees:
- ₹8,000/- without accommodation
- ₹12.000/- with shared accommodation
- ₹4,000/- + Nomination under CTP 2024-2025 with shared accommodation.
- Link for Online Payment: Click Here to Pay
- Nomination Form (for CTP 2024–25): Download Here
- Registration on a first-come, first-served basis

Note for Participants

- Teachers/architects who wish to register for the training program either under the Collaborative Training Program (CTP 2024-25) or as independent individuals may do so by filling out the Google form available on the given link.
- To confirm registration, kindly upload proof of payment towards the registration fees and/or nomination form on college letterhead before submitting the registration form.
- This program is not for students.
- A certificate of said training program shall be awarded, only after successful completion of the training program by participant i.e. attending all sessions and submitting all assignments, EOPT and feedback form of training program.
- EoPT session will on 9th January 2026, 4.15 pm to 5.15 pm.

Submission of Proof

Convened by:

Prof. Jayashree Deshpande,

Director,

COA-TRC, Pune

Email scanned proof of payment and application form (duly authenticated by HOD/Principal) to: coattp.sbpcoad@gmail.com

Coordinated by:

Dr. Smita Suryawanshi Principal, PCET's S. B. Patil College of Architecture & Design

9458351676 | principal@sbpatilarchitecture.com

Local Coordinator: Ar. Bijal Vakharia

Asst. Professor, PCET's S. B. Patil College of Architecture & Design 9890518961 | b.vakharia@sbpatilarchitecture.com

Dates: 5th-9th Jan 2026 **Timings:** 10:30 AM – 5:45 PM

Venue: PCET's S. B. Patil College of Architecture and Design, Pune.

Inauguration by: Ar. Abhay Purohit, President, Council of Architercture.

Day 1 – Parametric Thinking

Tradition to Technology • Community-Oriented Design • Patterns to Algorithms

Day 2 – Teaching Computational Design

Studio Strategies • Urban Morphologies

Logic-Driven Form Generation

Day 3 - Material Meets Code

Structural Optimization • Smart Materials

Hands-on Workshop

Day 4 – Fabrication & Narrative

Site Visit – Fold Design Studio, Mumbai

Prototyping & Discussions

Day 5 - 3D Concrete Printing

Design-to-Print Workflow • Digital Prototyping

Live Printing Demo

Local Coordinator:

Ar. Pooja Kudale

Asst. Professor.

PCET's S. B. Patil College of Architecture & Design

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Program