



Council of Architecture in Collaboration with Hindu College of Design, Architecture and Planning, Sonapat, Haryana



05-Day Online COA-TRC Programme on

“Emerging Tools and Methods for Architectural Innovation and Planning “ (Duration: 5th – 9th January 2026)

Preamble

The field of architecture and planning is undergoing a transformative shift through digital innovation, computational design, and data-driven methodologies. Faculty members must remain equipped with contemporary tools to ensure academic excellence and future-readiness. This FDP seeks to bridge the gap between traditional architectural education and emerging technological paradigms by introducing tools and pedagogies that redefine design thinking and planning strategies. The initiative aligns with the Council of Architecture (CoA) vision to enhance faculty competence, promote research-led innovation, and integrate technology into architectural pedagogy.

Objectives

- To familiarize participants with emerging design and planning technologies.
- To explore innovative digital methods in architectural education.
- To understand parametric, computational, and AI-based design systems.
- To develop interdisciplinary approaches combining architecture, data, and planning.
- To strengthen pedagogical innovation in architectural institutions.

Note:

1. 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.
2. 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
3. This program is not for students.
4. The e-certificate for the training program will be sent to the participants' registered email ID after they successfully complete all requirements of the program. This includes attending all sessions, submitting all assignments, completing the EOPT, and submitting the feedback form.

Indicative Themes and Topics

- Parametric and Computational Design Tools (Grasshopper, Rhino, Dynamo)
- Artificial Intelligence in Design Thinking
- Building Information Modeling (BIM) for Sustainable Architecture
- GIS and Urban Analytics for Planning
- Smart Cities and Data-driven Urbanism
- Digital Fabrication, Prototyping, and VR in Design Education
- Pedagogical Innovations in Architectural Curriculum
- Case Studies of Technology-integrated Architectural Projects.



Dr. D.P. Singh



Dr. Ravi Vaish



Dr. Sunil



Prof
.Shailja Sikarwar



Dr. Deepshikha
Jain



Dr. Lalit



Ar. Joy Mondal



Ar. Paritosh Kumar



Dr. Mohd.
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Program
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Online
Coordinator Asso.
Prof. Dr. Sunil



Online
coordinator
Asst. Prof.
Ar. Rohit mor

Important Links

Link for Registration

<https://forms.gle/Ao4XS2JH9E7PZRseA>

Link for online payment

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

Link for Nominations

https://drive.google.com/file/d/1NUWCckxuXdABP44kxCETJmRUUnWlRIHKK/view?usp=drive_link

Deadlines

Deadline for registration: 2nd January 2025, @5.30 PM.

EOPT is scheduled on Friday, 9th January 2025, 2.00 pm to 3.00 pm

Timing of training program 10:30 am to 1:45 pm