COUNCIL OF ARCHITECTURE
TRAINING AND RESEARCH CENTER
BHOPAL

In Colaboration
with

VIVEKANAND
EDUCATION SOCIETY
College of Architecture
MUMBAI

08-Day National Level

Training Program

on

Parametric Tools and Computational Design in Architecture.

Date: 01ˢᵗ to 23ʳᵈ April 2023
Time: 01:00 PM – 04:00 PM

Registration on first come first serve Basis

This is an introductory training program of 24 hours, Scheduled on Saturday's and Sunday's between 01st to 23rd April 2023 from 01:00 PM to 04:00 PM.

Convenor:

Dr. Navneet Munoth,
Hon. Director,
CoA TRC, Bhopal

Chief Co-ordinator:

Dr. Prof. Anand Achari,
Principal, VESCOA, Mumbai.

Co-ordinator:

Ar. Mital Patel,
+91-9429579516

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Ar. Jinisha Lodaya
+91-8606266634

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Preamble:
Parametric Design is an algorithm-based approach that simplifies complex design problems. The national online training program on "Parametric Tools and Computational Design in Architecture" teaches practical skills and interaction with experts to implement design projects using this approach. The 24-hour program includes presentations, hands-on software training, and interaction with industry experts, scheduled over April weekends, all aimed at implementing design projects using parametric design thinking.

Key Takeaways
The training program offers a clear understanding of computational design, hands-on software training, and interaction with industry experts.

Prospective Participants:
Students, Faculty, Researchers, and Professionals

Pre-requisites:
Laptop/Computer system | Internet Connectivity | Rhinoceros3D Software Trial Access

Schedule:

Date	Speaker	Topic	Time
01.04.23	Ar. Vinay Mathias	Computational Design Approach	1:00 - 2:30 PM
	Ar. Dhanashree S	Design Thinking in Parametric Architecture	2:30 - 4:00 PM
02.04.23	Ar. Krishna Murthy	Parametric Design, Fabrication & Feasibility	1:00 - 2:30 PM
	Ar. Devansh Daisaria	Computational Methods in Urban Forms.	2:30 - 4:00 PM
08.04.23	Ar. Tejaswini Walunj	Geometry in Rhino & Grasshopper 3D tools	1:00 - 4:00 PM
09.04.23	Ar. Tejaswini Walunj	3d Modelling in Rhino	1:00 - 4:00 PM
15.04.23	Ar. Ajit Nirmal	3d Modelling in Grasshopper	1:00 - 4:00 PM
16.04.23	Ar. M.Almas Surti	Design Research and Reconfigurable Moulds	1:00 - 2:30 PM
	Ar. Vaishaly	Environmental Simulations using Honeybee tools	2:30 - 4:00 PM
22.04.23	Ar. Ajit Nirmal	Daylight & Solar Irradiation Analysis using Honeybee tools	1:00 - 4:00 PM
23.04.23	Ar. Ajit Nirmal	Generating Geometry for Digital Fabrication	1:00 - 4:00 PM

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Speakers Profile:

Ar. M.Almas Surti is working as Research Assistant & PhD candidate at Swinburne University, **Melbourne**. He completed B. Arch from H.N.G.University, Patan and M.Des in Innovation & Technology from RMIT University, Melbourne. His research include functional aproaches to architectural design, holistic design thinking, and applications of digital fabrication.

Ar. M.Almas Surti

Ar. Vinay Mathias is principal architect at hCube, **Mumbai**. He completed B.Arch from Rizvi College of Architecture, Mumbai. His research interests include working with the available resources of Indian construction technology and budget driven client base in the context of complex parametric designs.

Ar. Vinay Mathias

Ar. Vaishaly is currently working as Senior Consultant for Building Physics at WSP India, **Noida**. She completed her B.Arch. from Birla Institute of Technology, Mesra. Her Research interests include Building performance optimization, Net-Zero Carbon – Energy – Waste – Water, CFD, Climate Responsive - Data-driven & Computational Design, Tool Automation and Sustainability Education.

Ar. Vaishaly

Ar. Dhanashree Sardeshpande is Head of Department (H.O.D) and Associate Professor for Master of Architecture (Digital Architecture) at BNCA, **Pune**. She is pursuing PhD from BNCA, Pune. Her research interests include Digital design theories and process history, Parametric Modelling , computational design & Fabrication for Architecture.

Ar. Dhanashree Sardeshpande

Ar. Ajit Nirmal is currently working as assistant professor at VES College of Architecture, **Mumbai**. He completed his B.Arch. from Rizvi College of Architecture, Mumbai and M.Arch from YCMOU. His research interests include studying building physics, Thermal comfort, Origami, and computational design approaches in Architecture.

Ar. Ajit Nirmal

Ar. Krishna Murthy is principal architect at Folds Design Studio. He completed B. Arch from Bharti Vidhyapeeth College of Architecture CBD, **Navi Mumbai**. His research interests include developing futuristic and technologically advanced designs, exploring abilities and opportunities in diverse materials available, making such complex projects feasible .

Ar. Krishna Murthy

Ar. Tejaswini Walunj currently working as assistant professor at VES College of Architecture, Mumbai. She completed her B.Arch. from Academy of Architecture, **Mumbai** and M.Arch fromCEPT University, Ahmedabad. Her research interests include Parametric modeling, housing, landscape and exploring multiple modes of practice & processes.

Ar. Tejaswini Walunj

Ar. Devansh Daisaria currently working as Computational Designer at Daisaria Associates, **Mumbai**. He completed B. Arch from Academy of Architecture, Mumbai, and M.Arch. from Architectural Association DRL, London. His research interests include creating urban forms using computational techniques.

Ar. Devansh Daisaria

Dr. Prof. Anand Achari currently working as principal at VES College of Architecture, **Mumbai**. He is also a GRIHA-Trainer, EDGE Expert-Auditor, ECBC Master Trainer, IGBC-AP, Green Building and Energy Modeling Consultant. He completed his Ph.D. in Climate Studies from IIT, Bombay. His research interests include environmental architecture and sustainability.

Dr. Prof. Anand Achari

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Link to register

https://forms.gle/Rqmts9mej9eW4EuQA

Link to payment

https://eazypay.icicibank.com/eazypayLink?P1=sRyz9kTACSNePnR3I+VJaQ==

Deatils of Registration Fee:
For   B.Arch students - INR 1500/-
(Only 25 Seats for UG students)

For Academicians/Professionals/PG
and Ph.D. students - INR 3000/-
(valid CoA registration required)
Others - INR 5000/-
(Other professiopnals without valid CoA
registration number)

Kindly check and confirm the seat availability first
then make the payment.
COA Registration Number is mandatory for
registration (Not for B.Arch Students).

The image of payment receipt should be sent to
confirm registrations through an e-mail to
coatrc.bhopal@gmail.com
vescoa.coatrc@ves.ac.in

- Virtual meeting link of ZOOM will be shared aftenregistration by email.
- E-Certificate of the FDP shall be sent by email on the registered email id of the participants upon successful completion of the program i.e., byattending all sessions and completing MCQ test [conducted on the last day at 4:30 pm]

For any Queries email at: vescoa.coatrc@ves.ac.in | coatrc.bhopal@gmail.com