

**05 – Day National Level  
Online Faculty Development Program**

on

**Integrating Simulation Software for Optimal  
Building and Urban Built Environment**

**Date : 17<sup>th</sup> to 21<sup>st</sup> July 2023**

**TIME : 01:00PM – 04:00 PM**

Registration on first come first serve basis

**Registration Fees**

**For Academicians/ Professionals/ PG and PHD Students: INR 1500/-  
(Only 35 Seats)**

**For Non-Architects- INR 3000 (Only 05 Seats)**

**Note**

- Kindly Check and confirm the seat availability first then make the payment
- COA Registration Number is mandatory for registration.
- Image of proof of payment at: [coatrc.bhopal@gmail.com](mailto:coatrc.bhopal@gmail.com) to confirm registration
- Link to join the program will be shared one day prior to the program

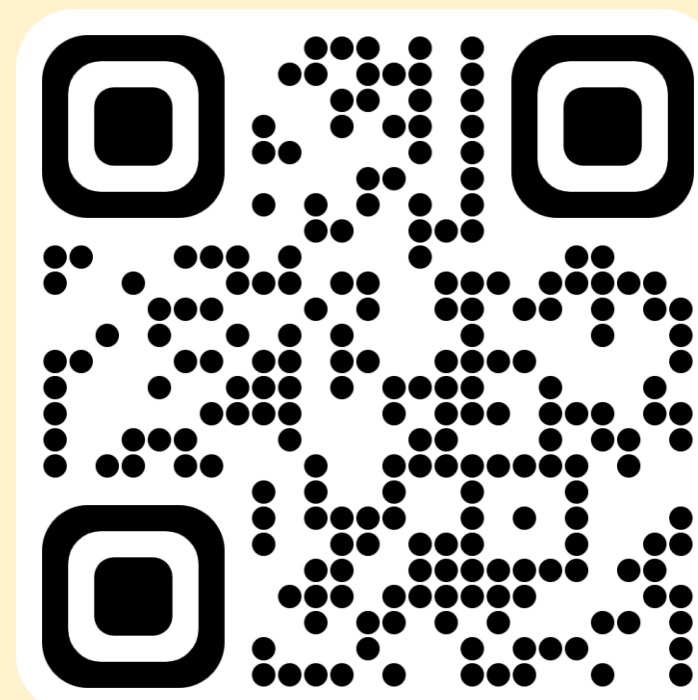
*Link for Registration-*

<https://forms.gle/adAK1qWWPPc46pLHA>

*Link For Payment-*

<https://shorturl.at/nISV6>

Scan for Register



Scan for Payment



*E-Certificate of the FDP shall be sent to the participant's registered email id upon successful completion of the program i.e., by attending all sessions and completing MCQ test and feedback.*

**MCQ Test on Day 5 Time: 4:30-5:30**

**Convenor**

**Dr. Navneet Munoth**  
Hon. Director,  
COA-TRC, Bhopal

**Chief Co-ordinator**

**Dr. Mazharul Haque**  
+91 9771499533

**Online Co-ordinators**

**Ar. Rakesh Kumar**  
+91 9910477061

**Ar. Sandeep Kumar**  
+91 9560773498

**05 - Day National Level**

**Online Faculty Development Program**

**Integrating Simulation Software for Optimal Building and Urban  
Built Environment**

Date : 17<sup>th</sup> to 21<sup>st</sup> July 2023 TIME : 01:00PM – 04:00 PM

**ABOUT THE COURSE**

The primary objective of the program is to provide a platform for researchers, academicians, and students to explore the applications of simulation in advancing urban built environment. By bringing together experts, practitioners, and enthusiasts in this domain, the program aims to share research findings, inspire innovative approaches, and showcase the role of simulation in understanding the built environment. It aims to enhance design and planning processes, foster interdisciplinary collaborations, address contemporary challenges related to environmental impact, resilience, and equity, bridge research and practice, and nurture young researchers by expanding their knowledge, facilitating networking opportunities, offering mentorship, and boosting their visibility in the field. Participating in this program empowers individuals to develop practical skills, engage in cutting-edge research, and present their work, contributing to research excellence and creating sustainable built environments.

**SCHEDULE**

**Theme- Integrating Simulation Software for Optimal Building and Urban Built Environment**

Day	Sessions	Sub-Themes	Title	Speaker	Duration (P.M.)
<b>Day 1 (17.07.23)</b>	Session 1	Simulation-Driven Design	Generative Design in Architecture.	Dr. Sameer Ali	1:00 – 2:30
	Session 2		AR/ VR Visualization in Architecture	Ar. Himanshu Yogi	2:30 – 4:00
<b>Day 2 (18.07.23)</b>	Session 3	Advancing Sustainable Design Approach	Analysing Micro Scale Climate	Dr. Aditya Rahul	12:00-1:15
	Session 4		Building energy modelling and simulation for Net zero energy buildings	Dr. Farheen Bano	1:15 – 2:30
	Session 5		Simulation-Based Parametric Approach for Optimal Buildings	Dr. Iasef Rian	2:30 – 4:00
<b>Day 3 (19.07.23)</b>	Session 6	Driving Evidence Based Design	Quantitative Assessment of Built Environment using Simulation Tools	Dr. Faiz Ahmed	12:00 - 1:15
	Session 7		Integrated Evidence Based Design using Pollination Cloud environment	Ar. Asis Nath	1:15 – 2:30
	Session 8		Climate Resilient Built Environment	Dr. Rama Pandey	2:30 – 4:00
<b>Day 4 (20.07.23)</b>	Session 9	Enhancing Design Performance	Building Performance Evaluations using Simulation Modelling	Dr. Deepa Rani	1:00 – 2:30
	Session 10		Whole building design approach for sustainable built environment	Ar. Satyanshu Kumar	2:30 – 4:00
<b>Day 5 (21.07.23)</b>	Session 11	Understanding Urban Dynamics and Transformation	Urban Gamification: Transformative Ways of Experiencing Built Environment	Dr. Sunny Bansal	1:00 – 2:30
	Session 12		Simulating Urban Growth and its Impact on Land-use and Landcover change	Dr. Jyoti Jain	2:30 – 4:00

**MCQ Test on Day 5 Time: 4:30-5:30**

**Convenor**

**Dr. Navneet Munoth**  
Hon. Director,  
COA-TRC, Bhopal

**Chief Co-ordinator**

**Dr. Mazharul Haque**  
+91 9771499533

**Online Co-ordinators**

**Ar. Rakesh Kumar**  
+91 9910477061

**Ar. Sandeep Kumar**  
+91 9560773498

05 - Day National Level

Online Faculty Development Program

Integrating Simulation Software for Optimal Building and Urban  
Built Environment

Date : 17<sup>th</sup> to 21<sup>st</sup> July 2023 TIME : 01:00PM – 04:00 PM

Day 1 – 17<sup>th</sup> July ( 1:00 PM to 4:00 PM)

Session 1

1:00PM to 2:30PM



**Dr. Sameer Ali**

Project Scientist

School of Public Policy, IIT Delhi, Delhi

Topic-“Generative Design in Architecture”

Session 2

2:30PM to 4:00PM



**Ar. Himanshu Yogi**

Assistant Professor

MNIT Jaipur, Rajasthan

Topic-“AR /VR Visualization in Architecture”

Day 2 – 18<sup>th</sup> July ( 1:00 PM to 4:00 PM)

Session 3

12:00PM to 1:15PM



**Dr. Aditya Rahul**

Climate Change and disaster risk consultant,  
Ernst & Young, Gurugram, Haryana

Topic-“Analysing Micro Scale Climate”

Session 4

1:15PM to 2:30PM



**Dr. Farheen Bano**

Assistant Professor

Faculty of Arch and Planning, AKTU, Lucknow

Topic-“Building Energy Modelling and Simulation  
for Net Zero Energy Buildings”

Session 5

2:30PM to 4:00PM



**Dr. Iasef Rian**

Associate Professor

Xi'an Jiaotong-Liverpool University (XJTLU), China

Topic- “Simulation-Based Parametric Approach  
for Optimal Buildings”

Day 3 – 19<sup>th</sup> July ( 1:00 PM to 4:00 PM)

Session 6

12.00PM to 1:15PM



**Dr. Faiz Ahmad**

Assistant Professor

SPA Vijayawada, Andhra Pradesh

Topic-“Quantitative Assessment of Built  
Environment using Simulation Tools”

Convenor

**Dr. Navneet Munoth**  
Hon. Director,  
COA-TRC, Bhopal

Chief Co-ordinator

**Dr. Mazharul Haque**  
+91 9771499533

Online Co-ordinators

**Ar. Rakesh Kumar**  
+91 9910477061

**Ar. Sandeep Kumar**  
+91 9560773498

05 - Day National Level

Online Faculty Development Program

Integrating Simulation Software for Optimal Building and Urban  
Built Environment

Date : 17<sup>th</sup> to 21<sup>st</sup> July 2023 TIME : 01:00PM – 04:00 PM

Day 3 – 19<sup>th</sup> July ( 1:00 PM to 4:00 PM)

Session 7

1:15PM to 2:30PM



Ar. Asish Nath

Principal Architect

Studio GreenAarch, Sambalpur, Odisha

Topic-“Integrated Evidence Based Design using  
Pollination Cloud environment”

Session 8

2:30PM to 4:00PM



Dr. Rama Pandey

Associate Professor, Head of Environmental Planning

Department, School of Planning and Architecture Bhopal.

“Climate Resilient Built Environment”

Day 4 – 20<sup>th</sup> July ( 1:00 PM to 4:00 PM)

Session 9

1:00PM to 2:30PM



Dr. Deepa Rani

Assistant Professor, Department of Architecture,

College of Engineering Trivandrum (C.E.T.), Trivandrum, Kerala

Topic-“Building Performance Evaluation using  
Simulation Modelling”

Session 10

2:30PM to 4:00PM



Ar. Satyanshu Kumar

Assistant professor, Department of Architecture & Landscape  
Design, Shri Mata Vaishno Devi University, Katra, J & K

Topic-“Whole Building Design Approach for  
Sustainable Built Environment”

Day 5 – 21<sup>st</sup> July ( 1:00 PM to 4:00 PM)

Session 11

1:00PM to 2:30PM



Dr. Sunny Bansal

Assistant Professor, School of Architecture

Anant National University, Ahmedabad, Gujarat

Topic-“Urban Gamification: Transformative  
Ways of Experiencing Built Environment”

Session 12

2:30PM to 4:00PM



Dr. Jyoti Jain

Associate Professor, Marathwada Mitra Mandal's College of  
Architecture, Pune, Maharashtra

Topic-“Simulating Urban Growth and its Impact  
on Land-use and Landcover change”

Convenor

Dr. Navneet Munoth  
Hon. Director,  
COA-TRC, Bhopal

Chief Co-ordinator

Dr. Mazharul Haque  
+91 9771499533

Online Co-ordinators

Ar. Rakesh Kumar  
+91 9910477061

Ar. Sandeep Kumar  
+91 9560773498