



**COUNCIL OF ARCHITECTURE  
TRAINING AND RESEARCH CENTRE, BHOPAL**

*in collaboration with*

**MARG INSTITUTE OF DESIGN AND ARCHITECTURE,  
SWARNABHOOMI (MIDAS)**



***NATIONAL LEVEL ONLINE FIVE DAYS  
FACULTY DEVELOPMENT PROGRAM (FDP)***

*on*

# BUILDING ENERGY PERFORMANCE

**25<sup>th</sup> to 29<sup>th</sup> Sept '23**

**REGISTER NOW**

## PREAMBLE

In pursuit of a greener and more sustainable future, we gather here with a shared commitment to delve deep into the realm of building energy performance. This five-day programme stands as a beacon of knowledge, collaboration, and innovation, uniting professionals, experts, and enthusiasts from around the world. With the urgent need to address the environmental challenges posed by our built environment, we embark on this journey of learning and exploration.

## PROGRAM OBJECTIVES

- Knowledge of new techniques for teaching / learning and implementation.
- The event promotes the exchange of knowledge and expertise among professionals and experts from various fields.
- The program underscores the importance of innovation and adaptability in the context of building energy performance.



### CONVENOR

**DR. NAVNEET MUNOTH**  
*Honorary Director  
COA-TRC, Bhopal*

### CO-ORDINATORS

**PROF. JAYARAMAN NEMELI**      **PROF. SASIREKHA S**  
*+91 94432 26706*                      *+91 90251 90652*

### ONLINE CO-ORDINATORS

**AR. NARAYANAN T**  
*+91 63808 39359*  
**AR. INNIYA ARUTCHUDAR**  
*+91 76399 24224*

For any queries email to [coatrc.bhopal@gmail.com](mailto:coatrc.bhopal@gmail.com)

# DAY 1 (25.09.23)

"BUILDING PHYSICS" – FOCUSING ON PASSIVE DESIGN STRATEGIES

## SESSION 1 (1:00 TO 2:30 PM)



"THE FIRST STEP TOWARDS NET-ZERO ENERGY BUILDINGS: PASSIVE ARCHITECTURE".

by

Ar. PRAJNA AIGAL

Research associate, The energy  
and research institute (TERI)

## SESSION 2 (2:30 TO 4:00 PM)

"BUILDING PERFORMANCE - DECARBONISATION TOWARDS NET ZERO FUTURE"

by

Dr. MALA SINGH

Founder & Director, PEC Greening  
India, Mumbai.



# DAY 2 (26.09.23)

"THERMAL PERFORMANCE OF BUILDING ENVELOPES"

## SESSION 3 (12:00 PM TO 1:15 PM)

" THERMAL PERFORMANCE OPTIMISATION "

by

Ar. NIKHIL BHANDARI

Research Scholar, NIT Trichy.



## SESSION 4 (1:15 PM TO 2:30 PM)

" SIMULATION FOR BUILDING PERFORMANCE ANALYSIS(BPA) AT EARLY DESIGN STAGE "

by

Dr. CHANDRASEKARAN

Professor (HOD M.Arch) at VIT Vellore.



## SESSION 5 (2:30 PM TO 4:00 PM)

" ROLE OF DESIGN IN ENVELOPE PERFORMANCE OF BUILDINGS "

by

Ar. SAMHITA

MD, Ela Green Buildings & Infrastructure Consultants and  
Founder Director, Ela Green School, Chennai



# DAY 3 (27.09.23)

"SUSTAINABLE AND RESILIENT BUILDING DESIGN"

## SESSION 6 (12:00 PM TO 1:15 PM)

" URBAN SOUNDSCAPES AND SUSTAINABILITY "

by

Dr. KALAISELVI

Associate Prof, Rajalakshmi School of Architecture, Chennai.



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## SESSION 7 (1:15 PM TO 2:30 PM)

" A HOLISTIC APPROACH TO BUILDING RESILIENCE TO ACCELERATE SDG "

by

**AR. SRI REKHA MAVULATI**

*Sr.Counsellor, IGBC.*

## SESSION 8 (2:30 PM TO 4:00 PM)

" POWER OF SOLAR PASSIVE DESIGN APPROACH "

by

**Dr. ANSHUL P GUJARATHI**

*Founder & Director, Eco-Solutions, Pune.*



# DAY 4 (28.09.23)

"ENERGY OPTIMIZATION USING SIMULATION SOFTWARE "

## SESSION 9 (1:00 PM TO 2:30 PM)

"NATURAL VENTILATION IN BUILDINGS- PERFORMANCE ANALYSIS CASE STUDIES".

by

**Ar. KIRTI SAHOO**

*Asst.Professor at Department of Architecture and Planning, NIT Calicut.  
formerly a Fellow and Area Convener at TERI Bangalore.*



## SESSION 10 (2:30 PM TO 4:00 PM)

" FOSTERING SUSTAINABILITY IN ARCHITECTURE USING SIMULATIONS "

by

**Ar. PRETHVI R MANOHARAN**

*Sustainability Consultant at TRAJECT. Netherlands*



# DAY 5 (29.09.23)

"BUILDING INFORMATION MODELLING (BIM) - INTEGRATING SERVICES TO  
CREATE AN ENERGY EFFICIENT STRUCTURE"

## SESSION 11 (1:00 PM TO 2:30 PM)

" BUILDING ENERGY SIMULATION ON ECBC COMPLIANCE "

by

**Dr. MAYANK BHATNAGAR**

*Associate Director at Environmental Design Solutions Pvt. Ltd. New Delhi*



## SESSION 12 (2:30 PM TO 4:00 PM)

" INTEROPERABILITY BETWEEN BIM-BASED DESIGN AND ENERGY SIMULATION TOOLS "

by

**Ar. FIRDOUSE BASHA**

*BIM at Spain, Founder of WAR Architects, Chennai and Spain*



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# FOR REGISTRATION

## REGISTRATION LINK

<https://forms.gle/Xra5ShhwnMA9PkR6>

## PAYMENT LINK

[https://eazypay.icicibank.com/eazypayLink?  
P1=KOOKQYjNFb8LZHkyuUDx6Q==](https://eazypay.icicibank.com/eazypayLink?P1=KOOKQYjNFb8LZHkyuUDx6Q==)

**TIME : 01:00 - 04:00 PM**

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Registration on first come first serve basis

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## Registration fees

For academicians / Professionals / PG & PhD students : INR 1500/-  
(Only 35 Seats)

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

## Note:

1. Kindly check and confirm the seat availability before payment
2. COA Registration link is mandatory for registration
3. Image of proof of payment: [coatrc.bhopal@gmail.com](mailto:coatrc.bhopal@gmail.com) to confirm registration
4. Link to join the program will be shared one day prior to the program.

E-Certificates will be sent to participants registered email-id upon successful completion of the program by attending all sessions and completing MCQ test and feedback

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