

# SUSTAINABLE AND GREEN BUILT ENVIRONMENT

**05-Day Online Faculty Development Program**  
**December 12th to Decemeber 16th , 2022 [1:00 PM to 4:00 PM]**  
**Registration on first come first serve basis**

## About the FDP

The program aims to bring together renowned experts and speakers from specialized domains of Architecture, Design, and Urban Planning from across the globe through the CoA - TRC platform for discussion, knowledge sharing, and continued education and training of faculties.

The preamble of the program: There is a tremendous growth of urbanization worldwide and these trends continue rapidly. With endogenous growth coupled with the immigration to cities the demand for buildings increases along with rising energy consumption, resource utilization, and pollution emission levels. While the stakeholders of the building industry attempt to meet the growing demand for buildings a far greater responsibility lies with architects and engineers to deliver sustainable and green built environments.

The FDP provides a wide variety of topics ranging from principles and strategies of climate-responsive energy-efficient buildings, retrofitting existing buildings for energy efficiency, emerging green technologies in tall buildings, sustainable and eco-friendly materials and methods of construction, sustainable landscaping strategies, performance evaluation and green rating of buildings.

## Key Take-Aways

The learnings from this program will enable participants to understand the various intricacies related to sustainable and green approaches to building design and equip them with necessary tools to carry out performance evaluation and green rating of buildings. The learnings from this program shall also help the participants to integrate and implement the knowledge in their respective academic and professional domains.

**Limited Seats Only**  
**First 35 participants will get confirmation email from the organisers.**  
**Registration will close once seats are full**

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

**Chief Coordinator**  
**Prof. Dr. K Mohan,**  
Director, GITAM School of  
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## Key Speakers



**Prof. Mahua Mukherjee**  
Thermal Stress and Built Environment



**Ar. Sheetal**  
Shunya- Towards Net Zero Buildings



**Er. Gagan Devaih Kechira**  
Need for Energy Auditing in Buildings



**Sushanth SJ**  
Sustainable Building Material and Technologies



**Ar. Laurent Fournier**  
Learning from Artisans



**Ar. Sudipta Singh**  
Green Building Rating System;  
Present status, Challenges and Future perspectives



**Ar. Bhanu Prakash G**  
BIM process for Sustainability design, Construction and Life cycle management of buildings



**Ar. Naveen Panuganti**  
An Ecological Approach to Sustainable Landscape Development in Semi-arid Climate



**Ar. Richard Belho**  
Bamboo Architecture and Sustainable Thinking

**Registration Fee:**  
(1500/- for CoA registered Candidates only)

### Registration Link:

<https://forms.gle/1Dc7U5SrWSfkdL529>

### Payment link:

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



**Prof. K.Mohan**  
Emerging Green Technologies in Tall Buildings

Kindly mail the scanned images of proof of payment on [coatrc.bhopal@gmail.com](mailto:coatrc.bhopal@gmail.com) to confirm registration. Virtual meeting link [Zoom Platform] will be shared after registration by email. E- Certificate of the FDP shall be sent by email on registered email id of the participant upon successful completion of the program i.e., by attending all sessions and completing MCQ test [conducted on the last day].

**MCQ time 4:30 pm to 5:30 pm**

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Dr Mahua Mukherjee is Professor in the Department of Architecture and Planning, and Joint Faculty and Ex-Head of Centre of Excellence in Disaster Mitigation and Management (CoEDMM), IIT Roorkee, India. Her educational qualifications are B. Arch (Jadavpur University), M. Tech (Building Science and Technology) IIT Roorkee, and PhD in the field of sustainable urban development. Her graduated research interest includes sustainable urban development to risk resilience, including urban climate and climate responsive campus and housing design.



Ar. Sudipta Singh heads the firm Sustainable Buildings & Habitat (SBH) in Odisha. With more than 15 years of experience in the fields of Architecture, Environmental Planning & Green Building Consultancy she is a Certified GRIHA Representative for Eastern Region, India, IGBC AP and an ECBC Expert.. Her core expertise has been design, analysis, simulation & research on climate responsive building, innovative day-lighting solutions, solar passive cooling along with green building rating facilitation & documentation.



Ar. Sheetal is Managing Partner at AEON Design & Development LLP firm based in Delhi. She has experience of 23 years and designed over 100 projects. Her wide portfolio of works ranges from Master Planning of large townships, mix use developments to architecture ,interior Design of corporate offices, SEZ, hotels, experience centres, hospitals, residential housings and private residences. Her projects set a benchmark in energy efficiency in the industry.



Ar. Bhanu Prakash is an Architect, BIM & Sustainability expert with over 27 years professional experience on a diverse range of building projects in India, Bahrain, Qatar and the UAE. An Integrated Project Delivery (IPD) expert experienced in delivering projects designed by various international consultants, he is also well versed with Local & International building codes, Tendering, Site matters and construction Management.



Er. Gagan Kechira has a Masters in Electrical Engineering & Renewable Energy Systems from University of Leeds, UK. He has over 6 years of experience in the field of renewable energy and green buildings. Working at GRIHA Council looking after Trainings and rating reviews and also been closely involved in the development of the GRIHA AH Rating, promotion and implementation of energy efficiency programmes in buildings including ECBC.



Ar. Naveen Panuganti obtained his Masters in Landscape Architecture from SPA, Delhi and B.Arch. from Andhra University. After gaining valuable professional experience in leading landscape firms his independent practice of over 23 years spanned various projects like urban landscapes, large industrial complexes, institutional campuses, hotels & resorts, housing projects, farmhouses etc. offering an all-encompassing environmentally sensitive landscape design.



Ar. Sushanth SJ is a practising architect based in Trivandrum, Kerala. He completed his Bachelor's degree from the MES School of Architecture and Masters from School of Architecture, Vijayawada. He has a diverse portfolio of completed projects. Currently he is pursuing PhD from IIT Roorkee. He is also a visiting faculty at CET, Trivandrum.



Ar. Richard Belho obtained his B.Arch from BMS College, Bangalore, in 1999. He started his own Architectural firm ZYNORIQUE in 2002 at Kohima, Nagaland. The firm is involved with Bamboo Construction and eco-friendly projects in the region. He is a recipient of the Bamboo Pioneer Award from the World Bamboo Organisation, the Naturenomics Award from Balipara Foundation and the Young Designer Award from Indian Architect and Builders Magazine.



Ar. Laurent Fournier obtained an architect's degree in 2004 from Ecole d'Architecture de Paris-Belleville where he learnt that vernacular architecture must be defended with the help of rationality and science. He feels privileged to work for/with artisans, engineers, architects, owners and partners entrusting a range of techniques, from wooden frame housing to shallow masonry domes, bamboo frames, adobe domes, catalan vaulting and steel frames.



Prof. Mohan Kotamrazu obtained his B.Arch from J.N.T.U, Hyderabad, M.Arch from IIT Kharagpur and PhD from IIT-Roorkee. As a part of his doctoral work he carried out extensive wind tunnel tests on Tall Buildings at the University of Auckland, New Zealand. He has more than thirty years of teaching experience and is currently working as a Senior Professor and Director of the GITAM School of Architecture at Visakhapatnam.