

COUNCIL OF ARCHITECTURE, INDIA

IN COLLABORATION WITH

Manipal Academy of Higher Education Dubai Campus is organising a 04-Day Online Faculty Development Program on **'Transition towards Net Zero'- The Roadmap'** (6th to 9th December 2022 – 10.30am to 3.30pm)



Nandan Tavkar

Associate Sustainability Consultant, Buro Happold, Dubai, UAE



Baharash Bagherian

CEO, URB, Dubai, UAE



Chrystall Thomas

Sustainability Engineer, Buro Happold, Dubai, UAE



Dr Ravishankar Dudhe

Associate Professor, Senior Grade, School of Engineering &IT, MAHE Dubai, UAE



Sundara Vadhana Gurushev

Sustainability Consultant, Hoare Lea, UK



Sachin Rastogi

Principal, Zero Energy Design Lab, India



Jiten Prajapati

Principal Architect, Jiten Prajapati, India



Farah Naz

Innovation & ESG Lead, AECOM Middle East & Africa Co-author of Net Zero City

Objective:

According to United Nations, in order to avert the worst impacts of climate change and preserve a liveable planet, global temperature increase needs to be limited to 1.5°C above pre-industrial levels. To keep global warming to no more than 1.5°C – as per the Paris Agreement – emissions need to be reduced by 45% by 2030 and reach net zero by 2050. Transitioning to a net-zero world is one of the greatest challenges humankind has faced. <https://www.un.org/en/climatechange/net-zero-coalition>

The Objective of the Program is therefore to understand the road map to achieve net zero in the forthcoming decades through a collaborative approach by stakeholders, through design optimisation and strategies, circular economy, decarbonization, energy literacy and energy management.

The Speakers from industry and academia will discuss strategies for accelerating and transitioning towards Net-Zero and roadmap pathway.

Key-Take Away for the Participants:

The Program will offer the participants to understand the following concepts

- Overview of concept of Net-zero goals as pledged by countries, organisations and institutions across various geographies.
- Decarbonization of buildings and Circular economy to accelerate net zero
- Role of architects, urban planners for transformation and pathway towards net zero with context sensitive design, energy literacy towards energy optimization through energy management practices

Conveyed by: Prof. Jayashree Deshpande
Director, COA-TRC, Pune

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Topics:

- Introduction to Net-Zero 'Transformational Journey towards Net- Zero'- Present & Future – Nandan Tavkar
- Role of master planning towards net-zero – Chrystall Thomas
- Energy Optimization and Energy management – A Net Zero Perspective – Dr Ravishankar Dudhe
- Decarbonization of Buildings – accelerating towards zero – Sundara Vadhana Gurushev
- Designing Zero Energy buildings – Sachin Rastogi
- Climate sensitive design – Jiten Prajapati
- The Earth will survive but we may not- Bridging Climate Science, Innovation & Business to drive Change, Transformation and Purpose Beyond Borders” – Farah Naz
- Shaping the future – Baharash Bagherian

Notes:

- Teachers/ architects who wish to register for the training program either under Collaborative Training Program (CTP 2021-22/ CTP 2022-23) or as independent individuals may do so by filling up the Google form available on the given link.
- 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
- This program is not for students.
- E-Certificate of said training program shall be send via email on registered email id of participants, after successful completion of training program by participant i.e. attending all sessions and submitting all assignments, EOPT and feedback form of training program.
- Registration fees: Rs.1,500/- (Rupees One thousand five hundred only).
- Colleges may nominate faculty under CTP 2021-22
- **Link to register:** <https://forms.gle/Ao4XS2JH9E7PZRseA>
- **Link for online payment:** <https://eazypay.icicibank.com/eazypayLink?PI=KOOKQYjNFb8LZHkyuUDx6Q==>
- **Link for Nomination form under CTP 2021-2022 and CTP 2022-2023:**
https://drive.google.com/file/d/1IJB19c4UdU8_Lo76iu8Z9kMTKCuz9-Qf/view?usp=sharing
- Last date for Registration: **2nd December 2022**

