



COUNCIL OF ARCHITECTURE TRAINING  
AND RESEARCH CENTER, BHOPAL

In collaboration  
with

DEPARTMENT OF ARCHITECTURE AND PLANNING,  
NATIONAL INSTITUTE OF TECHNOLOGY PATNA



# Design of Building Services and System

## 05 - Day Online Training Programme

Date : **09<sup>th</sup> to 13<sup>th</sup> January 2023**

TIME : **01:00PM – 04:00 PM**

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Registration on first come first serve basis

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**Limited Seats, only the first 35 participants will  
get confirmation email from the organisers**

**Registration will close once seat are full**

### Convener

**Dr. Navneet Munoth**

Hon. Director,  
COA-TRC, Bhopal

### Chief Coordinator

**Dr. Mazharul Haque,**

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### About the Training Programme

Building is not only design to provide shelter but also provide an environment where people can live work and succeed. It plays an important role in making built environment more comfortable, functional, efficient and safe.

This training programme will help to expand knowledge of building services like HVAC, electrical, firefighting, acoustics, and other building and site related services such as rain water harvesting relevant at present time. This programme will not only focus on mechanical services and system but also explore contemporary ways of resource management in building services such as IEQ, net zero building.

The aim of program is to enable participants more sensitive towards the integration of building services with building design and enable architects and professionals more sensitive towards the incorporation of services with core design concept.

### Take- Aways

- Convey knowledge about understanding and usage of building services in operational perspective.
- Impart the current developments in the field of building services to update the knowledge base of participants.
- Update participant's knowledge in net zero building services and automation for Smart Indoor Environment.
- Develop an understanding of participants towards the knowledge on Post Occupancy Evaluation on Building Services.

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### List of Resource Persons

9 <sup>th</sup> Jan	 <p><b>Dr. Mrs. Saraswati</b> Additional Director General, CPWD Kochi "Site Planning and Services" Dr. K. Saraswati has an experience of over 21 years in CPWD, and has experience in teaching. She has worked on various projects ranging from residential buildings, office buildings, schools, Universities, Hospital buildings, assembly buildings, and sports infrastructure. Buildings.</p> <p>SPEAKER 1</p>	 <p><b>Dr. Mohan Kotamrazu</b> Senior Professor &amp; Director, Gitam, Visakhapatnam "Rain water harvesting in Buildings" Prof. Mohan Kotamrazu has more than thirty years of teaching experience. He has presented many papers in International and National Conferences and Journals on Energy Efficient Landscape Design, Climate Responsive Architecture, Disaster Management, Traditional Wisdom and Tall Buildings.</p> <p>SPEAKER 2</p>	Day 1
10 <sup>th</sup> Jan	 <p><b>Ar. Vidhi Goel</b> MANIT, Bhopal "HVAC in Building Design" Ar. Vidhi Goel is an architect and Urban Planner by profession. She is currently pursuing her PhD from MANIT Bhopal and her expertise is in the Child friendly City development. She has two year experience in teaching and research.</p> <p>SPEAKER 1</p>	 <p><b>Ar. Sreerupa Deb</b> Associate Professor, BMS School of Architecture "Architectural Acoustics and its application in Building" Ar. Sreerupa Deb has been in Academics for the last seven odd years. She was in practice for around 16 years. Her areas of interest are Application of services in Architecture, Project Management, Sustainability, Net Zero buildings, Innovative Building Envelope and Thermal comfort.</p> <p>SPEAKER 2</p>	Day 2
11 <sup>th</sup> Jan	 <p><b>Ar. Salman Amin</b> Assistant Professor, Dept. of Architecture, Jamia Millia "Understanding Electricity: Basic Theory and Practical Applications" Salman Amin has a Master of Building Engineering and Management from SPA Delhi. His area of interest is in building energy, and has an overall field experience of about 8 years, which include teaching, architectural and design consultancy, and project management.</p> <p>SPEAKER 1</p>	 <p><b>Ar. Pawan Prakash</b> Senior Architect, Larson &amp; Tourbo "Fire and life safety – Architect's Perspective" Ar. Pawan Prakash is an Architect with project management specialization. Having 9 years of professional experience under various organizations. He has worked on variety of projects such as residential, commercial, mixed-use development, institutional, health centres and hospitality.</p> <p>SPEAKER 2</p>	Day 3
	 <p><b>Ar. Mrinal Mathur</b> Trellick Walk Design Consultant, Gurgaon "Understanding Electricity: Basic Theory and Practical Applications" Ms. Mrinal Mathur has has a Masters in Environment Planning from School of Planning and Architecture, Delhi and studied Environment Management and Sustainable Development at University of Wales, UK. She has experience of over 18 years in Environment and Planning. She worked for the environment agency of the UK, World Bank, UN and TERI on environment and water issues.</p> <p>SPEAKER 3</p>		
12 <sup>th</sup> Jan	 <p><b>Ar. Minni Sastry</b> Sustainability Consultant, Bengaluru "Net Zero Buildings: Mitigation Solution for Climate Change" Ar. Minni Sastry is a Green Building Professional with over 18 years of experience in designing climate responsive built environment, certifying buildings, applied research, and developing policy framework for cities to mainstream Sustainable Development. She has worked on low carbon growth initiatives for targeted cities in India.</p> <p>SPEAKER 1</p>	 <p><b>Ar. Vijesh Kumar V</b> Assistant Professor, SPA Vijayawada "Post Occupancy Evaluation on Services" Ar. Vijesh Kumar V has over 10 years of experience in academics and the field. His interest and specialization lie in Post Occupancy Evaluation of Facilities, Building Information Modelling, Construction Materials and Methods and Evaluation of Building form and spaces. He is also a reviewer of the 'Journal of Building Engineering', Elsevier and 'Engineering, Construction and Architectural Management'.</p> <p>SPEAKER 2</p>	Day 4
13 <sup>th</sup> Jan	 <p><b>Dr. Rajeev Garg</b> Professor, DIT Dehradun "Mechanical Services- Lift and Escalators" Dr Rajeev Garg, a graduate (B. Arch.) of Lucknow University and Doctorate from IIT Roorkee has experience of more than two decades in the field of architecture. He has served leading National and International corporates in various capacities. He has authored 03 Books and 25+ technical / research papers in Journals and Conferences.</p> <p>SPEAKER 1</p>	 <p><b>Dr. Prashant Anand</b> Assistant Professor, IIT Kharagpur "Human-centered and Smart innovation systems for indoor environmental quality (IEQ)" Dr. Prashant Anand is an Architect and Building Technologist and is currently an Assistant Professor. His research interests and contributions are in the area of occupancy-based building systems control; system-level and building-level energy efficiency; and Post-pandemic building design to reduce outdoor/indoor pollutants and viral load.</p> <p>SPEAKER 2</p>	Day 5

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**Registration Fess: Rs. 1500/-**

For CoA Registered candidates only

**Registration Link:**

<https://forms.gle/FsxoMWYe3D5HGNyc6>

**Payment Link:**

<https://eazypay.icicibank.com/eazypayLink?P1=sRyz9kTACSNepnR3I+VJaQ==>

**Scan for Register**



**Scan for Payment**



1. Registration Fee For Academicians/Professionals/PG and Ph.D. students- INR 1500/-
2. COA Registration Number is mandatory for registration.
3. Kindly mail the scanned images of proof of payment on [coatrc.bhopal@gmail.com](mailto:coatrc.bhopal@gmail.com) to confirm registration.
4. Virtual meeting link Zoom will be shared after registration by email.
5. E-Certificate of the FDP shall be sent by email on the 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 - 5:30

For any Queries email at [mazharul@nitp.ac.in](mailto:mazharul@nitp.ac.in)