

RACHNA

RESILIENT, AFFORDABLE AND COMFORTABLE HOUSING THROUGH NATIONAL ACTION

Training #75: *Two Day(s)* Awareness Program on

“INNOVATIVE CONSTRUCTION TECHNOLOGIES & THERMAL COMFORT FOR AFFORDABLE HOUSING”

Date: 12th & 13th August 2022 | Time: 10:30 AM to 05:00 PM

ABOUT THE TRAINING:

The Ministry of Housing & Urban Affairs (MoHUA) in partnership with GIZ and Building Material and Technology promotion Council (BMTPC) is hosting series of trainings/workshops on Innovative Construction Technologies & Thermal Comfort for Affordable Housing named RACHNA (Resilient, Affordable and Comfortable Housing through National Action). The prime focus of this training is to make **Architectural Students aware about the Thermal Comfort, Measuring Indices, Standards & Codes, Tools & Compliances** are being **applicable in Green / Passive Architecture**. This also focus on passive design strategies. The outcome of the training is to make the students understand about the innovative technologies, tools & compliances which may further utilize in study & practices.

TARGET AUDIENCE

***Awareness Programme Tailored For
Architectural Students And Faculties***

JOIN US AT:

**Goa College of
Architecture**

*Electricity Colony, Altinho
Panaji, Goa 403001*

FOR FURTHER DETAILS, PLEASE CONTACT

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“INNOVATIVE CONSTRUCTION TECHNOLOGIES & THERMAL COMFORT FOR AFFORDABLE HOUSING”

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Day 1		
TIME	TOPIC	SPEAKER
10:30AM – 10:45AM	Welcome Address	Principal, Goa college of architecture
	Introduction to MoHUA’s Housing for All Programme, GIZ, and the Bilateral Programme – Climate-Smart Buildings.	CSB Cell member
10:45AM – 11:00AM	a) New age innovative technologies along with the 6 LHP construction technologies focusing on - efficiency in construction, mainstreaming & replication of technologies, and sustainable cum thermal comfort aspects. b) DHPS & AHRCs	CSB Cell member
11:00AM – 11:05AM	Question and answer session	
11:05AM – 11:20AM	Tea Break	
11:20AM – 12:00PM	Session 1: a) Introduction to Affordable Housing b) Challenges & future Concerns c) Need for thermal comfort in affordable housing d) Thermal Comfort i. Indices ii. Thermal comfort in Affordable Housing iii. Passive architectural strategies	Prof. Aniruddha Pawar
	Session 1: (Contd) Thermal Comfort a) Thermal Comfort standards i. IMAC ii. ASHRAE b) Effect of building materials on thermal comfort c) Case studies and Best Practices	Prof. Aniruddha Pawar
12:00PM – 12:45PM	Question and answer session	
12:45PM – 01:00PM	Lunch Break	
01:00PM – 02:00PM	Lunch Break	
02:00PM – 02:45PM	Session 2: Eco Niwas Samhita (2018) – Part 1	CSB Cell member
02:45PM – 03:30PM	Session 2: (Contd) Eco Niwas Samhita (2021) – Part 2	CSB Cell member
03:30PM – 03:35PM	Question and answer session	
03:35PM – 03:50PM	High Tea & Networking	
03:50PM – 04:50PM	Session 2: (Contd) a) BEE Star labelling for Residential Buildings b) ENS Compliance tool c) Recommendation to designing of an Affordable Housing project (for thermal comfort); Case studies (LHP/ARHC/DHP)	CSB Cell member
	Question and answer session	
04:50PM – 05:00PM	Question and answer session	
Day 2		
10:30AM – 11:00AM	Session 3: Affordable Housing Design Challenge a) Design Problem Introduction b) Grouping	CSB Cell member
	Session 3: (Contd) Design Challenge Exercise	
11:00AM – 01:00PM	Question and answer session	
01:00PM – 02:00PM	Lunch Break	
02:00PM – 04:00PM	Session 3: (Contd) Design Challenge Exercise	CSB Cell member
04:00PM – 04:15PM	Tea Break	
04:15PM – 04:45PM	Session 4: Design Challenge Judgment and Certificate Distribution	CSB Cell member
	Question and answer session	
04:45PM – 05:00PM	Vote of Thanks	Principal, Goa college of architecture