

RACHNA

RESILIENT, AFFORDABLE AND COMFORTABLE HOUSING THROUGH NATIONAL ACTION

Training# 64: Two-Day Awareness Programme on

'Innovative Construction Technologies & Thermal Comfort for Affordable Housing'

Location: Dehradun | Date : 1st & 2nd August 2022 | Time : 10:00 AM to 5:30 PM

ABOUT THE AWARENESS WORKSHOP:

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 awareness workshop is to make participants gain knowledge on thermal comfort and its necessity in the affordable housing sector. The workshop covers the thermal comfort basics, material influences, low-cost solutions & codes that are available in India to create Climate-Smart Buildings. The participants will also get opportunity to explore more through unraveling a small design problem. The outcome of the workshop would be to make the stakeholders understand the need for thermal comfort & urge them to use their learnings in future assignments.

Venue:

Seminar Hall, Ground Floor, Vastu
Block, School of Architecture, Planning
& Design, DIT University
Dehradun, Uttarakhand

For Further Details, Please drop an email to
lucknow.gizcsbcell@gmail.com

TARGET STAKEHOLDERS



Built-environment
professionals &
Govt. Departments



Building
Sector
Stakeholders



Technograhis

Innovative Construction Technologies & Thermal Comfort for Affordable Housing

Location: Dehradun | Date : 1st August 2022 , Monday | Time : 10:00 AM to 5:30 PM

AGENDA - Day 1

DURATION	TOPIC	SPEAKER
10:00 - 10:30	Registration	
10:30 - 10:45	Welcome Address	Prof. Anjali Krishan Sharma Director-SAP&D, DIT University
	Introduction a) Keynote Address b) Introducing GIZ and Climate Smart Buildings Cell (CSB)	Mr. SMH Adil Climate Smart Buildings (CSB) Cell
10:45 - 11:00	CSB Cell Activities 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 c) Integration of Thermal comfort standards into Building Byelaws	Mr. Amrish Chaturvedi Climate Smart Buildings (CSB) Cell
11:00 - 11:15	TEA BREAK	
11:15 - 12:00	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	SMH Adil Climate Smart Buildings (CSB) Cell
12:00 - 13:00	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	SMH Adil Climate Smart Buildings (CSB) Cell
13:00 - 14:00	LUNCH BREAK	
14:00 - 15:00	Session 2: Eco Niwas Samhita (2018) Part 1	Mr. Saif Uddin (Expert Trainer)
15:00 - 16:00	Session 2:(Contd.) Eco Niwas Samhita (2021) Part 2	Mr. Saif Uddin (Expert Trainer)
16:00 - 16:15	HIGH TEA & NETWORKING	
16:15 - 17.15	Session 2:(Contd.) a) BEE Star labeling for Residential Buildings b) ENS Compliance tool c) Recommendation for designing of an Affordable Housing project (for thermal comfort); Case studies (LHP/ARHC/DHP)	Mr. Saif Uddin (Expert Trainer)
17:15 - 17:30	O&A Session	Climate Smart Buildings (CSB) Cell

Innovative Construction Technologies & Thermal Comfort for Affordable Housing

Location: Dehradun | Date : 2nd August 2022 , Tuesday | Time : 10:00 AM to 5:30 PM

AGENDA - Day 2

DURATION	TOPIC	SPEAKER
10:30 - 11:00	Session 3: Affordable Housing Design Challenge a) Design Problem Introduction b) Grouping	Mr. Saif Uddin (Expert Trainer)
11:00 - 11:15	TEA BREAK	
11:15 - 13:00	Session 3: (Contd.) Design Challenge Exercise	Mr. Saif Uddin (Expert Trainer)
13:00 - 14:00	LUNCH BREAK	
14:00 - 16:00	Session 3:(Contd.) Design Challenge Exercise	Mr. Saif Uddin (Expert Trainer)
16:00 - 16:15	HIGH TEA & NETWORKING	
16:15 - 17.15	Session 4: Design Challenge Judgement & Winner Announcement	Climate Smart Buildings (CSB) Cell
17:15 - 17:30	Vote of Thanks	Ar. Jitendra Kumar Sarohi HoD-SAP&D, DIT University

-----END of WORKSHOP-----