

RACHNA 2.0

RESILIENT, AFFORDABLE AND COMFORTABLE HOUSING THROUGH NATIONAL ACTION

Training # 26: Two-Days Awareness Programme on 'Innovative Construction Technologies & Thermal Comfort in Affordable Housings'

Location: MITS Gwalior, MP | Date: 12th & 13th Jan' 23 | Time: 10:00 AM to 5:00 PM

ABOUT THE TRAINING:

RACHNA- 'Affordable and Comfortable Housing Through National Action', is an initiative of Ministry of Housing Urban Affairs (MoHUA) in partnership with Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH and Building Material and Technology promotion Council (BMTPC).

75 trainings workshops on Innovative Construction Technologies Thermal Comfort for Affordable Housing were conducted under this program between April and August 2022. After the success of RACHNA series, now the next series of trainings 'RACHNA 2.0' from Dec 2022 till Mar 2023 is planned across India. The main focus of the training is thermal comfort and its necessity in the affordable housing sector to a wider set of audience and stakeholders. This training program covers Handbook on Innovative Construction Technologies & Thermal comfort in Affordable housing, Thermal Comfort analysis of LHP and Demonstration Projects, Life cycle cost of LHPs, low-cost solutions, policy documents, building codes, international practices, and other aspects relevant to thermal comfort in affordable housing.

JOIN US AT:

Department of Architecture & Planning,
Madhav Institute of Technology & Science,
Gwalior, Madhya Pradesh

TARGET STAKEHOLDERS



Students & Faculties from Architecture College(s)

For Further Details, Please drop an email to
Mr. Shelendra Kr Chanderiya [9654419859, indore.gizCSBcell@gmail.com]

'Innovative Construction Technologies & Thermal Comfort in Affordable Housing'

Location: MITS Gwalior, MP | Date: 12th & 13th Jan'23 | Time: 10:00 AM to 5:00 PM

Day - 01: 12 January'2023

TIME	TOPIC	SPEAKER
10:00 AM - 10:45 AM	Welcome Address	CSB Cell Members
	Introduction to MoHUA's Housing for All Programme, GIZ, and the Bilateral Programme – Climate-Smart Buildings.	
10:45 AM - 11:00 AM	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] DHP & AHRCs & DEMO Projects	CSB Cell Members
11:00 AM - 11:10 AM	Question & Answer Session	
11:10 AM - 11:30 AM	Tea Break	
11:30 AM - 12:00 PM	Session – 01 Thermal Comfort & Affordable Housing Thermal Comfort & factors Cooling Requirement Scenario, Cooling Demand Growth Building Envelop Impact & Building Physics Thermal comfort fundamentals Thermal Comfort Indices Passive Design Strategies	Shri Kaushal Lodaya Expert Trainer
12:00 PM - 12:45 PM	Session – 02 Innovative building material Effect of material on thermal comfort New method of construction for Affordable housing Case Studies for the application of thermal comfort in affordable housing Demo Projects Analysis Low energy cooling technologies & comfort	Shri Kaushal Lodaya Expert Trainer
12:45 PM - 01:00 PM	Question & Answer Session	
01:00 PM - 02:00 PM	Lunch Break	
02:00 PM - 02:45 PM	Session-03 Thermal comfort Standards (ASHRAE, IMAC, ENS, NBC) ENC Code Provision Eco Niwas Samhita 2018, 2021 Technical Exercise (RETV Analysis with Example - LHP, DEMO Project)	Shri Kaushal Lodaya Expert Trainer
02:45 PM - 03:45 PM	Session-04 ENS 2018 & 2021 Brief ENS Compliance Live Demo on Tool, Thermal Comfort Analysis Recommendations to current & future Affordable Housing Projects	Shri Kaushal Lodaya Expert Trainer
03:45 PM - 04:00 PM	High Tea & Networking	
04:00 PM - 04:45 PM	Session-04 (Conti.) Green Building Concepts BEE Star Labeling Indian & International Best Practices	CSB Cell Members
04:45 PM - 05:00 PM	Question & Answer Session	

Day - 02: 13 January'2023

TIME	TOPIC	SPEAKER
10:30 AM - 11:00 AM	Session-05 Affordable Housing Design Challenge Design Problem Introduction Grouping	CSB Cell Members
11:00 AM - 01:00 PM	Session-05 (Conti.) Design Challenge Exercise	CSB Cell Members
01:00 PM - 02:00 PM	Lunch Break	
02:00 PM - 04:00 PM	Session-05 (Conti.) Design Challenge Exercise	CSB Cell Members
04:00 PM - 04:15 PM	Tea Break	
04:15 PM - 04:45 PM	Session-06 Design Challenge Judgment and Certificate Distribution	CSB Cell Members
04:45 PM - 05:00 PM	Vote of Thanks	
		Prof. Anjali Patil (HOD)