प्रधान मंत्री आवास योजना-शहरी
Pradhan Mantri Awas Yojana-Urban

GLOBAL HOUSING TECHNOLOGY CHALLENGE INDIA

Ministry of Housing and Urban Affairs
Government of India

Azadi Ka Amrit Mahotsav

giz Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH

RACHNA
RESILIENT, AFFORDABLE AND COMFORTABLE HOUSING THROUGH NATIONAL ACTION

Trainings on Innovative Construction Technologies & Thermal Comfort for Affordable Housing

Climate Smart Buildings – Training – Two day – Online
Date: 8th & 9th April 2022, Wed, Thu | Time: 10:00 am to 5:30 pm

ABOUT THE TRAINING

Ministry of Housing & Urban Affairs in partnership with GIZ is hosting series of trainings on Innovative Construction Technologies & Thermal Comfort for Affordable Housing named RACHNA (Resilient, Affordable and Comfortable Housing through National Action). The focus of this training is thermal comfort and its necessity in the affordable housing sector. The training covers the thermal comfort basics, material influences, low-cost solutions & codes that are available in India to create Climate-Smart Buildings. The outcome of the training would be to make the stakeholders in the affordable housing sector understand the need for thermal comfort & urge them to include no cost or low-cost strategies in upcoming projects.

REGISTER AT:
https://forms.gle/VMUbX8hcAomRs5BK8

CONTACT:
Phone: +9179 6831 000 Ext: 383
Email: ashajoshi@cept.ac.in

Target Stakeholders

Senior Govt. Officials & Policy makers

Built-environment professionals & Govt. Departments

Building sector stakeholders

Technograhis

'RACHNA for Practitioners' training program will deliver in-depth knowledge on thermal comfort, its nuances, and its relationship with building physics. Moreover, it will familiarize participants with design strategies, construction techniques, policy documents, building codes, international practices, and other aspects relevant to thermal comfort in affordable housing through a suite of case studies. Additionally, it will discuss the evaluation process of thermal comfort, the statistics and indicators involved as well as affordable cooling technologies and their applicability in various climates.

Session plan is as follows:

Day 1- April 8, 2022 (Friday)		
10h00 – 10h05	Welcome address and Introduction to PMAY(U)	MoHUA
10h05 – 10h10	Introduction to Climate Smart Buildings programme (IGEN-CSB)	GIZ
10h10 – 10h15	Session 1: Overview of the workshop, introduction of the project and introduction of the trainers.	Bhavya Pathak
10h15 – 11h15	Session 2: Importance of Thermal Comfort	Anand Achari
11h15 – 11h30	Questions and Answers	
11h30 – 11h45	Health Break	
11h45 – 12h45	Session 3: Building Physics and its relationship with Thermal comfort	Anand Achari
12h45 – 13h00	Questions and Answers	
13h00 – 14h00	Lunch Break	
14h00 – 14h45	Session 4: Fundamentals of Thermal Comfort	Anand Achari
14h45 – 15h00	Questions and Answers	
15h00-15h45	Session 5: Affordable Housing Passive Design Strategies	Anand Achari
15h45-16h00	Questions and Answers	

16h00- 16h15	Health Break	
16h15 – 17h00	Session 6: Building Materials and Methods of Construction for Affordable Housing	Anand Achari
17h00 – 17h15	Questions and Answers	
17h15 – 17h30	Session 7: Day 1 Concluding Remarks	Bhavya Pathak

Day 2- April 9, 2022 (Saturday)		
10h00 – 10h15	Session 8: Day 1 Recap	Bhavya Pathak
10h15 – 11h15	Session 9: Building Codes, Affordable Housing and Thermal Comfort	Smita Chandiwala
11h15 – 11h30	Questions and Answers	
11h30 – 11h45	Health Break	
11h45 – 12h45	Session 10: Application of Thermal Comfort in Affordable Housing- A Suite of Case Studies	Smita Chandiwala
12h45 – 13h00	Questions and Answers	
13h00 – 14h00	Lunch Break	
14h00 – 15h00	Session 11: Thermal Comfort Study Methods	Smita Chandiwala
15h00 – 15h15	Questions and Answers	
15h15 – 16h15	Session 12: Low Energy Cooling Technologies and Comfort	Smita Chandiwala
16h15 – 16h30	Questions and Answers	
16h30 – 17h15	Session 13: Discussions on quiz-questionnaires and feedback from participants	Smita Chandiwala
17h15 – 17h30	Session 14: Concluding Remarks	Bhavya Pathak