

RACHNA

RESILIENT, AFFORDABLE AND COMFORTABLE HOUSING THROUGH NATIONAL ACTION

Training #30: Two-Day Awareness Workshop on

'Innovative Construction Technologies & Thermal Comfort for Affordable Housing'

Location: Parul University, Vadodara | Date : 09th & 10th June 2022 , Thursday & Friday | Time : 09:30 AM to 5:30 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 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 architecture students understand the need for thermal comfort & and the need to include no cost or low-cost strategies in Affordable Housing Projects.

JOIN US AT:

Parul University (Main Campus), P.O.
Limda, Waghodia, Vadodara – Gujarat
391760

For Further Details, Please drop an email to
Mr. Winamra Negi; in_rajkot_giz_csbcell@pwc.com;

TARGETED STAKEHOLDERS



Faculty



Students



TECHNOGRAHI

Innovative Construction Technologies & Thermal Comfort for Affordable Housing

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AGENDA – Day 1

DURATION	TOPIC	SPEAKER
09:30 - 10:30	Registration of Participants	Climate Smart Buildings (CSB) Cell - GiZ
10:30 - 10:35	Welcome Address	Mr. Santosh Nair, Senior Director – Industry Academia Partnership Cell, Parul University
10:35 - 11:00	CSB Cell Activities: a) Introduction of GHTC Challenge, MoHUA Initiatives and GiZ in India b) New age innovative construction technologies employed at 6 Light House Projects c) Integration of Thermal Comfort standards in building bye laws	Climate Smart Buildings (CSB) Cell - GiZ
11:00 - 11:15	HIGH-TEA	
11:15 - 12:00	<u>Session 1:</u> a) Introduction to Affordable Housing b) Challenges & Future Concerns c) Need for thermal comfort in affordable housing; d) Thermal Comfort Indices e) Thermal comfort in Affordable Housing f) Passive architectural strategies	Mr. Gopal Nurani Parasu (Trainer) LEED Accredited Professional & Bureau of Energy Efficiency Empaneled ECBC Expert
12:00 - 13:00	<u>Session 1: (Contd.)</u> Thermal Comfort models: a) Thermal Comfort standards (IMAC & ASHRAE) b) Effect of materials on thermal comfort c) Case Studies & Best Practices	Mr. Gopal Nurani Parasu (Trainer) LEED Accredited Professional & Bureau of Energy Efficiency Empaneled ECBC Expert
13:00 - 14:00	LUNCH BREAK	
14:00 - 15:00	<u>Session 2: Eco Niwas Samhita (2018) Part 1</u>	Mr. Gopal Nurani Parasu (Trainer) LEED Accredited Professional & Bureau of Energy Efficiency Empaneled ECBC Expert
15:00 - 16:00	<u>Session 2: (Contd.) Eco Niwas Samhita (2021) Part 2</u>	Mr. Gopal Nurani Parasu (Trainer) LEED Accredited Professional & Bureau of Energy Efficiency Empaneled ECBC Expert
16:00 - 16:15	TEA BREAK	
16:15 - 17:15	<u>Session 2: (Contd.)</u> a) BEE Star Labelling b) ENS Compliance Tool c) Recommendation to design an Affordable Housing Project (thermal comfort) & Case Studies	Mr. Gopal Nurani Parasu (Trainer) LEED Accredited Professional & Bureau of Energy Efficiency Empaneled ECBC Expert
17:15 - 17:30	<u>Question & Answer Session</u>	Climate Smart Buildings (CSB) Cell - GiZ

End of Day - 1

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AGENDA – Day 2

DURATION	TOPIC	SPEAKER
09:30 - 10:30	Registration of Participants	Climate Smart Buildings (CSB) Cell - GiZ
10:30 - 11:00	<u>Session 3</u> : Affordable Housing Design Challenge: a) Design Problem Introduction, b) Grouping	Mr. Gopal Nurani Parasu (Trainer) LEED Accredited Professional & Bureau of Energy Efficiency Empaneled ECBC Expert
11:00 - 13:00	<u>Session 3</u> : (Contd.) Design Challenge Exercise	Mr. Gopal Nurani Parasu (Trainer) LEED Accredited Professional & Bureau of Energy Efficiency Empaneled ECBC Expert
13:00 - 14:00	LUNCH BREAK	
14:00 - 16:00	<u>Session 3</u> : (Contd.) Design Challenge Exercise	Climate Smart Buildings (CSB) Cell - GiZ
16:00 - 16:15	TEA BREAK	
16:15 - 17:15	<u>Session 4</u> : Design Challenge Judgement & Winner Announcement	Climate Smart Buildings (CSB) Cell - GiZ
17:15 - 17:30	Vote of Thanks	Climate Smart Buildings (CSB) Cell - GiZ

End of Awareness Workshop