RACHNA

RESILIENT, AFFORDABLE AND COMFORTABLE HOUSING THROUGH NATIONAL ACTION

Training #62: Two-Day Awareness Workshop on

'Innovative Construction Technologies & Thermal Comfort Measures for Affordable Housing'

Location: BIT Mesra, Ranchi| Date : 21-22 July 2022 , Thu – Fri | 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 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.

JOIN US AT:

Department of Architecture & Planning
BIT Mesra, Ranchi - 835215

For Further Details, Please drop an email to
Mr Santanu Mandal; in_ranchi_giz_csbcell@pwc.com;
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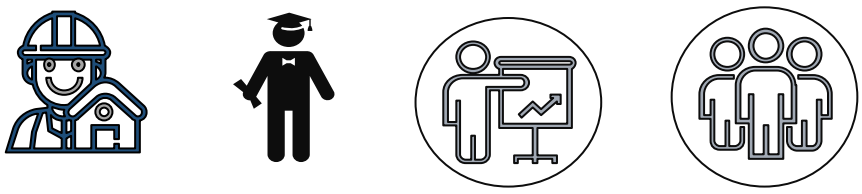
TARGET PARTICIPANTS



Training Program tailored for Architectural Students, Research Scholars & Faculties

Innovative Construction Technologies & Thermal Comfort for Affordable Housing

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AGENDA

DURATION	TOPIC	SPEAKER
09:30-10:00	Registration	CSB Cell
10:00-10:15	Introduction & Agenda Briefing	CSB Cell
10:15-10:30	Welcome Address	Dr. Manjari Chakrabarti, Prof. & Head – Dept. of Architecture and Planning, BIT Mesra
10:30-10:45	Keynote Address	Shri Anand Kumar Sinha, Dean – Student Affairs, BIT Mesra
10:45-11:00	HIGH-TEA & NETWORKING	
11:00-11:45	Session 1: LHP & its Construction Technology. GHTC Brief on other LHP Construction Technologies & Basics of Thermal Comfort a) Precast Concrete Construction System –3D Volumetric –Ranchi b) Precast Components assembled at Site -Chennai c) Prefabricated Sandwich Panel System - Indore d) Monolithic Concrete Construction using Tunnel Formwork - Rajkot, e) Light Gauge Steel Structural System & Pre-engineered Steel Structural System –Agartala f) PVC Stay in Place Formwork System –Lucknow	Shri Siddharth Sharma, Project Head – LHP Ranchi (SGC Magicrete LLP) & Faculty – NAVRITIH (BMTPC)
11:45-13:30	Session 2 (Contd.): 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 Thermal Comfort models: a) Thermal Comfort standards (IMAC & ASHRAE) b) Effect of materials on thermal comfort c) Case Studies & Best Practices	Ar. Gaurav Shorey, ECBC Master Trainer
13:30-14:30	LUNCH BREAK	
14:30-16:15	Session 2 (Contd.): Eco Niwas Samhita (2018) Part 1 & Eco Niwas Samhita (2021) Part 2	Ar. Gaurav Shorey, ECBC Master Trainer
16:15-17:15	Session 2 (Contd.): a) BEE Star Labelling, b) ENS Compliance Tool, c) Recommendation to design an Affordable Housing Project (thermal comfort) & Case Studies	Ar. Gaurav Shorey, ECBC Master Trainer
17:15-17:30	Q&A	

CLOSE of Day -1

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Day -2 AGENDA

DURATION	TOPIC	SPEAKER
09:30-11:00	Session 3: Affordable Housing Design Challenge a) Design Problem Introduction b) Grouping	CSB Cell
11:00-13:00	Session 3: (Contd.) Design Challenge Exercise	CSB Cell
13:00-14:00	LUNCH BREAK	
14:00-16:00	Session 3: (Contd.) Design Challenge Exercise	CSB Cell
16:00-16:15	TEA BREAK	
16:15-17:00	Session 4: Design Challenge Judgement & Winner Announcement	The Jury
17:00-17:15	Q & A and Feedback	CSB Cell
17:15-17:25	Concluding Remarks	Dr. Satyaki Sarkar, Associate Prof. – Dept. of Architecture and Planning, BIT Mesra
17:25-17:30	Vote of Thanks	CSB Cell

CLOSE OF PROGRAM