

**Report on One-week STC**  
**" Innovation in Construction and Green Building Materials ”**  
(HRDC, Integral University, Lucknow, a Remote Center of NITTTR, Chandigarh)  
**7-11 August 2023**

The Human Resource Development Centre, Integral University as a remote centre of NITTTR, Chandigarh has organized AICTE Recognized Short Term Course through Information and Communication Technology (ICT) on "**Innovation in Construction and Green Building Materials**" on **7-11 August 2023** at Integral University, Lucknow. This Short Term Course is organized in association with National Institute of Technical Teachers Training & Research, Chandigarh under Ministry of Education, Government of India.





### ***STC on Innovation in Construction and Green Building Materials at Integral University***

As an outcome of the course, the participants gained knowledge about a comprehensive understanding of innovative construction techniques, energy-efficient designs, waste reduction strategies, and the application of green materials to enhance the overall sustainability of construction projects. This knowledge can empower participants to contribute to the development and implementation of eco-friendly construction solutions, thereby promoting a greenery and more sustainable built environment. A total of fifteen technical sessions were constituted from a wide variety of topics and each session was led by a team of experts viz.:

Day 1:

- Introduction of Innovation in Construction and Green Building Materials by Dr Amit Goyal, Assistant Professor, NITTTR, Chandigarh.
- Impact of Climate Change in Changing Scenario of Construction by Dr Amit Goyal, Associate Professor, NITTTR, Chandigarh.
- Building Materials for Green construction, by Dr. Sanjay Sharma, Associate Professor & Head of Department, Civil Engineering NITTTR, Chandigarh.

Day 2:

- Energy efficient buildings by Sunanda Kapoor, Professor Manipal University Jaipur.
- Reducing Carbon FootPrints in Building Construction by Himmi Gupta, Assistant Professor, NITTTR, Chandigarh
- Use of Geo synthetics in Construction by Er. A K Duggal, Associate Professor, NITTTR

Day 3:

- ECBC Code for Energy Efficient Buildings by Mr. Balkar Singh, PEDDA, Chandigarh

- Pest Control for Sustainable Building Construction by Mr. Satpal Manager, Hindustan Pest Control.
- Innovation Construction Practices by Dr. R Siva Chidambaram CBRI, Roorkee.

Day 4.

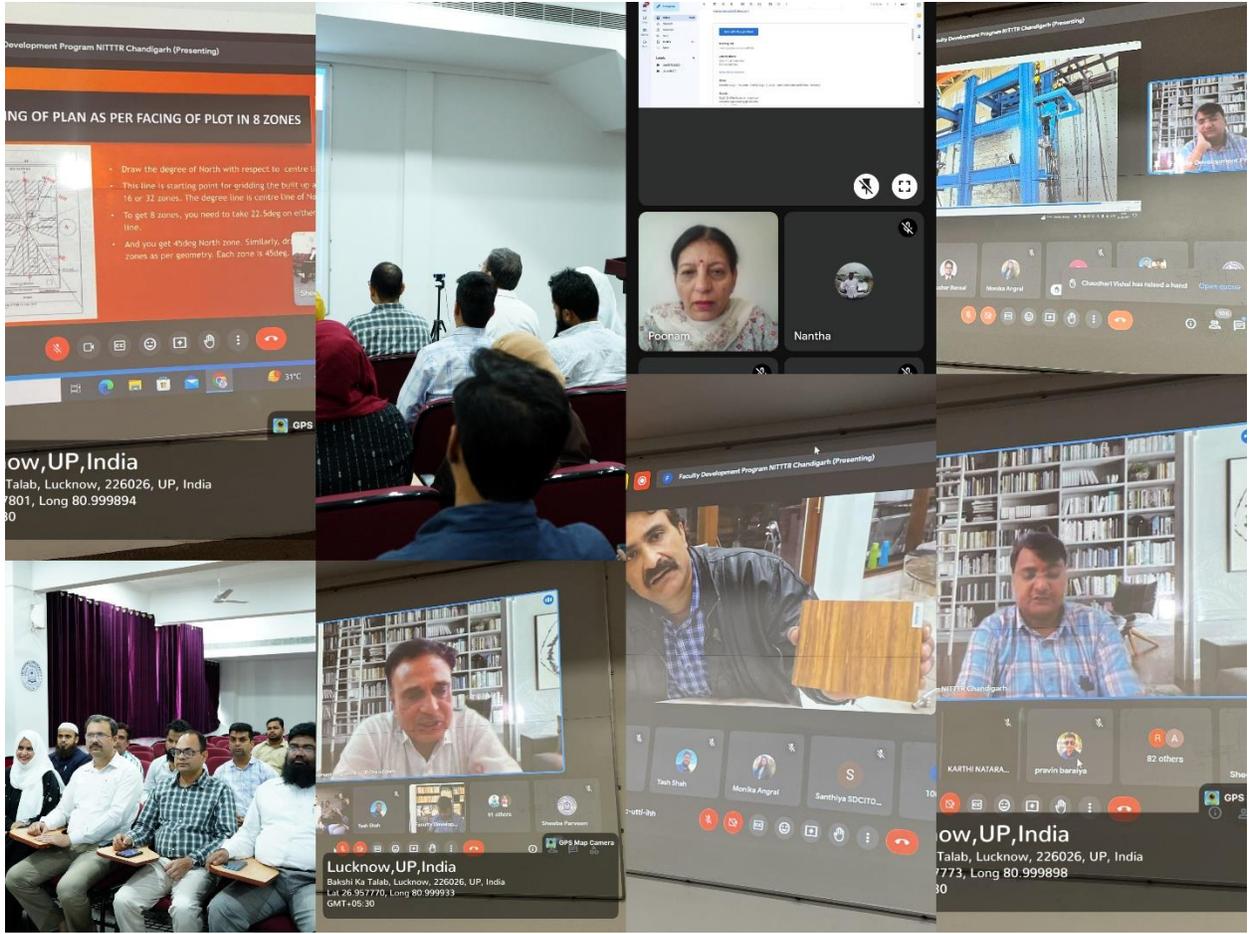
- Innovative technologies for cladding, anchoring and fixtures by Er Rajan Fischers India Pvt Ltd.
- Sustainable Mud Housing by Ar Savneet Kaur Director, MISAAL.
- Energy Management for Green Buildings by Dr. Poonam Syal.

Day 5:

- Role of Vastu Shastra in Sustainable Building Design by Ar Neeraj Dugal, Building architect at Ins & Outs.
- New Innovation in Earthquake Resistant Clean Construction of Masonry Houses by Dr. Amit Goyal, Assistant Professor, NITTTR, Chandigarh.
- Group Discussion, Feedback by Dr Amit Goyal, Assistant Professor, NITTTR, Chandigarh.

This Short Term Course benefitted a total of Fourteen participants. The Integral University was much praised by NITTTR Chandigarh for its active participation. Dr. Sheeba Praveen, Remote Center Coordinator, and Mr Mohd Arif Ali Usmani, Technical Support Staff from Integral University's Department of Computer Science and Engineering, coordinated the programme.

### **Glimpses of the Event:**



*Dr. Syed Aqeel Ahmad*  
*Director*  
*Human Resource Development Centre (HRDC)*  
*Integral University, Lucknow*