

Sl. No.	Sub. Code	Theory	Contact Hours			Credit
			L	T	P/S	
4.2	22EAR7423	Elective 2. Appropriate Building Technology	3	0	0	3

Course Objective To highlight the different cost reduction techniques and to make them familiar with non-conventional building materials and construction practices.

Anticipated Learning Outcomes: Students shall be able to identify and apply appropriate non-conventional building materials and construction technologies as per site and project context.

Module 1 Basic shelter issues in India. National building Organization-Recommendations of Housing & Urban Development Corporation.

Module 2 Traditional materials and techniques- pressed soil blocks, soil cement blocks and other alternate building materials- fly ash brick, by-product gypsum, bamboo, jute stalk, etc.

Module 3 Building process- Different types of walling, Roofing, foundation, Pre-cast blocks.

Laurie Baker's experiments in low – cost housing. Modular construction.

Experiments conducted by CBRI, Roorkee.

Note: Most Architectural subjects do not have Textbooks. The Reference books mentioned below are for reference only and University question paper should be prepared from the Syllabus descriptions.

References

1. *Low-cost housing Technology*; L. J Goodman & R. P. Pama
2. *Houses; How to reduce building cost*; Laurie Baker
3. *Cost reduction for Primary school*, Laurie Baker