

## EAR753 **A) COST EFFECTIVE TECHNOLOGY**

**Objectives:** To highlight the different cost reduction techniques and to make them familiar with vernacular building materials and construction practices.

### **Module-1**

Basic shelter issues in India. National building Organization- Recommendation 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, byproduct 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