

Objective

Efforts and activities related to promotion of Sustainable Architecture are underway, and this can be reinforced with the knowledge of Vernacular Architecture. Odisha has a rich treasure of vernacular architecture. The objective is to instill sensitivity towards the less explored field that is concerned with Architectural building traditions/practices that are cost effective, ecologically sensible and culturally relevant. Students acquire a working vocabulary that can help them describe vernacular architecture in meaningful ways. The course introduces grass root principles of indigenous architecture that has evolved over time in response to environment, climate, culture, economy and basic human needs. The course covers variations in built forms and their environmental performance across different climatic and geographical regions of India with more emphasis to Odisha. Cases studies of adaptations of vernacular architecture in contemporary buildings are also covered in the syllabus.

Module 1**INTRODUCTION TO VERNACULAR ARCHITECTURE**

Definitions and theories, Categories, Contextual responsiveness: Climatic, Geographical, Anthropological and Cultural influences

Module 2**ENVIRONMENT AND MATERIALS**

Typical building materials, Built form and elements, Construction technique and Environmental performance

Module 3**REGIONAL VARIATIONS IN BUILT FORM: TRIBAL ARCHITECTURE**

Settlement Pattern, Dwelling Typology, Symbolism, Typical features, Construction materials and techniques

Andhra Pradesh, Madhya Pradesh, Odisha (Kondha and Santals)

Module 4**REGIONAL VARIATIONS IN BUILT FORM: RURAL ARCHITECTURE**

Settlement Pattern, Dwelling Typology, Symbolism, Typical features, Construction materials and techniques

Eastern Region

Odisha – Rural houses of the coastal and inland areas; Bengal –Rural house form- Aat Chala houses, Thakur Bari (Mansions in North Kolkata).

Western Region

Rajasthan- Rural Jat houses for farming caste and Bhungas(Circular Huts) and Havelis;

Gujarat- Deserts of Kutch, Pol houses of Ahmedabad, Wooden Havelis;

Southern Region

Kerala – Nalukettu, Houses of Nair & Namboothri community, Koothambalam;

TamilNadu – Toda Huts, Chettinad Houses (Chettiars);

Andhra Pradesh –Rural Kaccha house

Northern Region

Kashmir – Typical Kutcha houses, Dhoongas(Boathouses), Ladakhi houses, bridges ;

Himachal Pradesh – Kinnaur houses

Module 5**EXMPLES OF ADAPTATIONS IN CONTEMPORARY ARCHITECTURE (To be decided by subject teacher)**

Examples - Works of Laurie Baker, Hasan Fathy, Anil Laul, Gerard Da Cunha, Building Centres- Auroville,

References

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11. House, Form & Culture, Amos Rappoport, Prentice Hall Inc, 1969.