

	School of Planning and Architecture: Vijayawada	
	(An institution of National Importance under the Ministry of Education, Govt. of India)	
	Survey No.4/4, ITI Road, Vijayawada-520008, Andhra Pradesh, India	
Department of Architecture		
Course:	MSAR1110 – Traditional Wisdom and Sustainability Concepts	Class: M.ARCH 1 st Year I- Semester 2026
Instructors:	Dr. Tanaya Paul	Internal Assessment: 50
		External Theory Exam: 50
Contact Periods/ week: 39 periods.		Total Marks: 100
Time Table:	Traditional Wisdom and Sustainability Concepts (03 periods)	Credits: 3
Objective: To impart the importance of traditional wisdom and knowledge, and its relevance today.		

Week	Lecture Plan	Remarks/Topic of Assignment
Week 1 24 th Aug	Course overview. Meaning of traditional wisdom, sustainability and vernacular architecture. Relationship between culture, climate and built form.	Lecture + Discussion (Interactive Discussion)
Week 2 31 st Aug	Climate zones of India and their influence on settlement patterns and building forms. Socio-cultural aspects influencing spatial organization of traditional buildings. Sacred landscapes, temple towns, indigenous knowledge systems, local materials and craftsmanship.	Lecture + Assignment (Climate-Built Form Relationship Study/Socio-Cultural and Climatic Analysis of a Traditional Dwelling/Traditional Wisdom in Sacred Landscapes)

Week 3 7 th Sep	Traditional architectural elements: columns, brackets, jaalis, zarokhas, chhajjas, cupolas and their environmental role.	Lecture + Student's Presentation
Week 4 14 th Sep	Study tour	
Week 5 21 st Sep	Spatial themes: courts, terraces, pavilions, caves and climate-responsive planning, Contemporary reinterpretation of traditional elements in sustainable architecture.	Lecture + Assignment (Class Work) (Reinterpreting Traditional Architectural Elements for Climate-Responsive Contemporary Design)
Week 6 28 th Sep	Sustainable concepts in Indus Valley Civilization and Aryan settlements. Buddhist architecture, Dravidian temples and Indo-Aryan architecture. Environmental planning principles.	Lecture + Assignment (Comparative Analysis of Sustainable Architectural Principles Across Indian Architectural History)
Week 7 5 th Oct	Hoysala, Islamic and Provincial architecture. Passive cooling and daylighting techniques. Mughal, Colonial and Post-colonial architecture. Adaptation to climate through planning, vegetation and materials.	Lecture + Assignment (Comparative Analysis of Sustainable Architectural Principles Across Indian Architectural History)
Week 8 12 th Oct	Traditional wisdom and sustainability. Role of geography, local culture and people's lifestyle in design.	Lecture + Submission of previous assignment
Week 9 19 th Oct	Mid semester	
Week 10 26 th Oct	Vernacular concepts in contemporary Indian architecture. Architects inspired by traditional wisdom.	Lecture + Assignment (Class Work) (From Vernacular Wisdom to Contemporary Sustainable Architecture)
Week 11 2 nd Nov	Case Study: Integrated Case Study Analysis: Traditional Wisdom as a Framework for Sustainable Architecture	
Week 12 9 th Nov	Case Study: Integrated Case Study Analysis: Traditional Wisdom as a Framework for Sustainable Architecture	

Week 13 1 ^{6th} Nov	Course integration, student presentation, discussion, and revision.	
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S. No.	Stages of Evaluation	Weightage
1	First stage: Assessment	15
2	Mid-Semester Examination	20
3	Third stage: Assessment	15
	Total	50
Outcomes: Students shall learn the traditional concepts and techniques from various cases studies across the country for understanding the traditional concepts for coping up with sustainability issues.		
Course Instructors: sd/- (Dr. Tanaya Paul)		Head of Department: sd/- (Dr. Amitava Sarkar)