

	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:	ARC5126 - Futuristic Architecture	Class: B. Arch 5th Year IX - Semester 2024-25
Instructors:	Dr. Khuplianlam Tunngung	Internal Assessment: 50
		External Theory Exam: 50
Contact Periods/ week: 03 periods. (55 min each)		Total Marks: 100
Time Table:	Monday (03 periods)	Credits: 3 (2+1)

Objective: This course covers topics on future trends of architecture and its practice. Various Modernist movements in architecture and their respective concepts, theories, or manifestoes are articulated.

Week	Lecture Plan	Remarks/Topic of Assignment
Week 1	Introduction to the course and syllabus overview. Unit I: Futurism	Lecture + Interaction/Tutorial
Week 2	Unit I: Futuristic Architecture: Future concepts envisioned by earlier theorists and architects like Antonio Saint Elia, Le Corbusier, etc.	Lecture + Interaction/Tutorial
Week 3	Unit I: Futuristic Architecture: Future concepts envisioned by earlier theorists and architects like F.L. Wright, Team X	Lecture + Interaction/Tutorial

Week 4	Unit I: Futuristic Architecture: Future concepts envisioned by earlier theorists and architects like Team X and Metabolism.	Lecture/Interaction/Presentation (Continuous Assessment-Rubric base)
Week 5	Unit II: Emerging architectural paradigms such as programme generated architecture, dynamic architectural systems, virtuality, Trans architecture, data driven structures and 'glocal' approach through the study of relevant projects.	Lecture + Interaction/Tutorial
Week 6		Lecture/Interaction/Presentation (Continuous Assessment-Rubric base)
Week 7	Unit III: Evolution of contemporary architectural concepts-historical revival, biomimicry, adaptive reuse and low-cost buildings; Futuristic building materials: Buildings; Futuristic building technology and smart materials: Building tectonics and systems	Lecture + Interaction/Tutorial
Week 8	Unit III: Evolution of contemporary architectural concepts-historical revival, biomimicry, adaptive reuse and low-cost buildings; Futuristic building materials: Buildings; Futuristic building technology and smart materials: Building tectonics and systems	Lecture/Interaction/Presentation (Continuous Assessment-Rubric base)
Week 9	Unit IV: Study of specific building types-houses, office spaces, public buildings, skyscrapers and transportation hubs through various projects	Lecture + Interaction/Tutorial
Week 10		Lecture/Interaction/Presentation (Continuous Assessment-Rubric base)
Week 11	Unit V: Focus on understanding the important aspects of present time which can influence the future of Architecture like Sustainable communities including energy efficiency, Zero Energy and regenerative architecture, natural calamities, Exploration on another planet, Global warming and rise in sea level.	Lecture + Interaction/Tutorial
Week 12		Lecture/Interaction/Presentation (Continuous Assessment-Rubric base)
Week 13		Lecture/Interaction/Presentation (Continuous Assessment-Rubric base)
Week 14		Lecture/Interaction/Presentation (Continuous Assessment-Rubric base)
Week 15	Unit I to Unit V Make-up classes, if any, may be arranged or accommodated in these weeks.	Lecture/Interaction/Presentation (Continuous Assessment-Rubric base)

Week 16	Unit I to Unit V Make-up classes, if any, may be arranged or accommodated in these weeks.	Lecture/Interaction/Presentation (Continuous Assessment-Rubric base)
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S. No.	Stages of Evaluation	Weightage
1	Assessment (5 Marks/Unit)	15
2	Mid Semester Examination	20
3	Assessment (5 Marks/Unit)	10
4	Overall class performance	5
	Total	50

Outcomes: Students completing this elective course will be able to: 1. Demonstrate scenarios leading to futuristic architecture. 2. Identify and analyze the futuristic concepts envisioned by early architects and theorist. 3. Compare the older proposed concepts with the latest proposal. 4. Assess and predict rationally the future of present architectural style.

Course Instructors: sd/- (Dr. Khuplianlam Tungnung)	Head of Department: sd/- (Dr. Srinivas Daketi)
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NOTES:

1. In cases where specified units or chapters are not completed within the stipulated time, it will carry forward to the next classes and adjustments will be made accordingly, as required.
2. Make-up classes, if any, may be arranged or accommodated in existing scheduled classes or other appropriate time.