

Effective from Session: 2021	- 2022													
Course Code	AR401	Title of the Course	Architectural Design-VII	L	Т	Р	C							
Year	IV	Semester	VII	3	-	6	12							
Pre-Requisite	AR310													
Course Objectives	complex arr 2. To specialized	ay of activities and se familiarize the studer building services in th	o the challenges of designing functionally complicated rvices; hts with the task of coordinating the integration of stru- he framework of architectural design. stand advanced construction technology and newer bu	ctural	desi	gn an	d							

		Course Outcomes
(	C <b>O1</b>	Know about the challenges of designing functionally complicated buildings, having a complex array of activities and services
(	C <b>O2</b>	Familiarize with the coordinating integration of structural design and specialized building services in the framework of
		architectural design
(	C <b>O3</b>	Know and understand advanced construction technology and newer building materials.
(	C <b>O</b> 4	Apply up-to-date information for planning and operation of urban transport.

Unit No.	Title of the Unit	Content of Unit	Contact Hrs.	Mapped CO
1	Exercise - I	Transit-Oriented Buildings Airports, Railway/Metro stations, ISBT, etc.	48	1, 2, 3 & 4
2	Exercise - II	48	1, 2 & 3	
3	Time Problem	48	1,2 & 3	
Referen	ce Books:			
Archite	cture Form, Space and Ord	er by D.K.Ching, Francis		
Design	Fundamentals by V.S Parn	nar		
Form, 1	Line to Design by Scott Var	n Dyke		
Design	Fundamentals by Scott R			
Archite	cts Hand Book and Plannin	g by E&OE		
e-Learn	ning Source:			

Urban Transit System Planning: https://archive.nptel.ac.in/courses/105/105/105105208/

NBC 2016: https://archive.org/details/nationalbuilding01/in.gov.nbc.2016.vol1.digital

						С	ourse A	Articul	ation N	Aatrix:	(Mappi	ng of CO	s with PO	s and PSC	Ds)			
PO- PSO CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6
C01	3	3	3	2	-	1	3	2					3	3	3	2		
CO2	3	3	2	3	2	-	1	3					3	2	3	1		
CO3	-	2	3	1	3	1	3	3					3	3	2	3		
CO4	3	3	3	2	2	3	2	3					3	3	3	3		

1- Low Correlation; 2- Moderate Correlation; 3- Substantial Correlation

Ar. Shweta Verma Name & Sign of Program Coordinator



Sign & Seal of HoD



Effective from Session: 2021	- 2022						
Course Code	AR402	Т	Р	C			
Year	IV	Semester	VII	1	2	2	5
Pre-Requisite	AR311	Co-requisite	Nil				
Course Objectives	<ol> <li>Co interior finis</li> <li>To for final exer</li> <li>To reference to</li> <li>The second second</li></ol>	develop understandir nstruction technology shes shall be consider understand design lir cution of a project. introduce and famili energy saving in tern e subjects should als	g about construction principles. and appropriate materials for structural systems, ro ed under this subject from simple examples to comple nitations due to authority guidelines and making draw arize the students with the advanced construction te as of module base design practice as well as green bui so focus on developing design abilities by applyir opriate materials and techniques and mechanical tech	x. ings/ chniq lding ng bas	details ues wi concep sic prii	necess th spec t. nciples	ary cial of

	Course Outcomes
CO1	To know about the construction equipments like Electric hand tools, Earth Moving and Excavation and Transportation machines.
CO2	Understand Defects and Remedies in Buildings.
CO3	Know Modular Coordination, Standardization in building design and their components
CO4	Know construction techniques about Domes, Shells and Folded Plates.
CO5	Understand Communication Systems & mechanical means of transportation both vertical and horizontal transportation in a
	building.

Unit No.	Title of the Unit	Content of Unit	Contact Hrs.	Mapped CO
1	MODULAR COORDINATION	Aims, basis, planning, dimensioning, Assembly of components, Tolerances, Modules, Referencing system, Grids, Positioning of functional elements: slabs, walls, staircases, Tiles, etc	16	1,2&3
2	MODERN CONSTRUCTION EQUIPMENTS	Electric hand tools, Cranes, Excavators, Trenchers, Bulldozers, Fork Lift, Dumpers, Laser line Level, Scraper, Drifter, Jack Hammer, Breakers, and Conveyors etc.	14	1,2&5
3	ADVANCED STRUCTURAL SYSTEM	Advanced structural system and construction techniques with special reference to high rise buildings	18	3,4&5
4	ALTERNATE CONSTRUCTION MATERIAL AND TECHNIQUES	16	3&4	
5	PNEUMATIC STRUCTURES	Domes Shells, Folded Plates and other surface active structures: Folded Plates and barrel shells, hyperbolic paraboloids, and domes in R. C. C., Geodesic domes and space frames etc.	16	4
	ce Books:			
	0	ings, Vol. I, II and IV by R. Barry		
	g Materials by S. K. Du			
	als of Construction by D			
Buildin	g Construction by S. C.	Rangwala		
Constru	action Technology Vol.	III by R. Chudley		
e-Learn	ing Source:			
https://v	www.studocu.com/in/do	cument/galgotias-university/building-construction/modular-coordination/17283869		

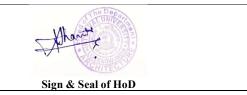
https://www.slideshare.net/MOHANAHARIHARANR/modern-construction-equipments

https://www.viatechnik.com/modern-construction-machines-theyre-used/

https://www.britannica.com/technology/pneumatic-structure

						С	ourse A	Articul	ation N	Aatrix:	(Mappi	ng of CO:	s with PO	s and PSC	Os)			
PO- PSO CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6
CO1	-	1	3	3	-	2	2	2					2	3	3	3		
CO2	1	2	3	2	1	3	3	2					3	3	3	2		
CO3	3	2	3	3	-	2	2	3					3	2	2	2		
CO4	3	3	3	2	-	2	3	3					2	2	2	3		
CO5	2	3	3	2	-	2	1	2					2	2	2	3		

Ar. Shweta Verma Name & Sign of Program Coordinator





Effective from Session: 202	1 - 2022						
Course Code	AR403	Title of the Course	LANDSCAPE DESIGN AND CONSTRUCTION	L	T	P	С
Year	IV	Semester	VII	-	4	-	2
Pre-Requisite	Nil	Co-requisite	AR401				
Course Objectives			ntation water bodies and structures as major landscape as potentials and constraints, synthesize them to evolv			dscap	e sche

	Course Outcomes
CO1	Students knows and familiarized with the background of Landscape design in the field
CO2	Students knows and familiarized with the elements of landscape in planning and design
CO3	To learn about the variety of trees and plants. The benefits we get from planning them in different conditions.
CO4	Understand and analyses the working of landscape graphics in construction
CO5	Understand & knows about the appropriate materials and techniques and technology used in the landscaping construction as per market trends.

No.	Title of the Unit	Contact Hrs.	Mapped CO				
1	Introduction and History	Meaning, definitions, scope, objective and its relevance to Architecture and Site Planning. Landscape style: formal and informal, Types of Gardens: Egyptian, Roman, Chinese, Hindu-Buddhist, Mughal, Japanese, etc. Suggested exercises: small garden design, kitchen garden design, etc.	8	1			
2	Major Landscape Elements, Site Analysis and Planting	Visual, physical, environmental & synthesis in small landscape design incorporating landscape elements. Landforms, rocks, plantation, water bodies and fountains, constructs with their use in landscaping. Site planning with special reference to Green Architecture. Suggested exercises: Design of roundabout, fountain, cascades, etc.	12	2,3			
3	Plant Identification and Suitability	Botanical and common names, form, texture, salient properties and their appropriateuse. Effects of trees and plants on microclimate. Suggested exercises: Charts to classification.	12	2,3			
4	Landscape Graphics	Conventional symbols in presentation drawings, e.g.: trees, shrubs, ground cover, hedges, edges etc. Conceptual drawings, preliminary landscape plans, planting plans and drawings. Suggested exercises: Large courtyards designs, outdoor spaces, etc.	16	4,5			
5	Landscape Design         Site preparation, Grading, Site Drainage and Erosion Protection, Landscape           and Construction         Detaining well and stains, Landscape reving, Earosca and Eroscatarding, wells						
	ce Books:						
	nonds, J.O., Landscape						
	-	B.S., Tropical Garden Plants					
	ndhawa, M.S., Flowerin						
Litt	tle Wood, Michael, Land	dscape Detailing (Surfaces)					
San	ntapan, H., <i>Common Tre</i>	es					
Ap	pleton., The Experience	of Landscape.					
Geo	offrey, and Jellico, S, Th	ne Landscape of Man.					
Hol	ll, G. P., Questions of Pe	erception Phenomenon logy of Architecture.					
Lau	arie., An Introduction to	Landscape Architecture					
Lyr	nch, K., Site Planning. C	Cambridge					
Rei	d, G., Landscape Graph	iics.					
Sin	nonds, J. O., Landscape	Architecture: A Manual of Land Planning and Design					
e-Lear	rning Source:						
http://ww	ww.gardenvisit.com/land	dscape_architecture/landscape_debate/definition_eid_					
http://ag	ritech.tnau.ac.in/hortic	ulture/horti_Landscaping_types%20of%20garden.html					
http://ww	ww.localhistories.org/go	ardening.html					

						С	ourse A	Articul	ation N	Matrix:	(Mappi	ng of CO	s with PO	s and PSO	Os)			
PO- PSO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6
CO																		
CO1	3	2		1	3		3	1						3	1	1		

CO2	2	3	3			2		3			3			3	
CO3	1		3	1	2		1	1				3	3		
<b>CO4</b>		3	3	3	1		1	1			2			3	
CO5	3	2		3	3	2	3	1				1	3	3	
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Effective from Session: 202	- 2022						
Course Code	AR404	Title of the Course	Theory of Design	L	Т	Р	C
Year	IV	Semester	VII	1	2	-	2
Pre-Requisite	Nil	Co-requisite	AR401				
Course Objectives	theoretical 2. The	perspective. e course will help stud	creating a deep understanding about Architecture and dents to develop a strong design vocabulary, how and understand the philosophy and the undercurrents of th	by wł	nat mea	ins to	

	Course Outcomes
CO1	To understand Architecture and Design from a theoretical perspective.
CO2	To develop a strong design vocabulary, how and by what means to communicate their design
CO3	To understand the philosophy and the undercurrents of the design process.
CO4	To understand various ideologies and context of designs thereby developing their own philosophy and applying the same
	knowledge in their own design skills.

Unit No.	Title of the Unit	Content of Unit	Contact Hrs.	Mapped CO
1	Introduction	Introduction to theory, design, philosophy, aesthetics - chronological overview from Stone Age to Postmodernism. Discussions/Presentations on Works/Philosophies of Plato, Aristotle, Karl Marx, Vitruvius Pollio, Louis Sullivan, etc.	10	1
2	Modernism	The principles and philosophy of modernism- in art, design and architecture, worldview, theories & perceptions of time and space, mode of reasoning. Discussions/Presentations on Works/Philosophies of Frank Lloyd Wright, Walter Gropius, Le Corbusier, Pablo Picasso, Immanuel Kant, etc.	12	2
3	Structuralism & Postmodernism	The principles and philosophy of Postmodernism- in art, design and architecture, worldview, theories & perceptions of time and space, mode of reasoning. Discussions/Presentations on Works/Philosophies of Le Corbusier, Charles Moore, Louis Kahn, Renzo Piano, Aldo Rossi, Herbert Spencer etc.	8	3
4	Post- Structuralism/Dec onstruction	The principles and philosophy of Post-Structuralism, of art, design and architecture, worldview & mode of reasoning. Discussions/Presentations on Works/Philosophies of Jacques Derrida, Peter Eisenman, Bernard Tschumi, Juhani Pallasmaa, Frank O Gehry, Daniel Libeskind, Rem Koolhaas, Zaha Hadid, etc. Biomimicry/biomimetics: The principles, philosophy and Examples. Discussions/ Presentations on Works/Philosophies of Antoni Gaudi, Norman Foster, Michael Pawlyn.	12	4
5	Contemporary Indian architects	The principles and philosophy of Indian architects in art, design and architecture, worldview, theories & perceptions of time and space, mode of reasoning. Discussions/Presentations on Works/Philosophies of Laurie Baker, A.P. Kanvinde, B.V.Doshi, J.A.Stein, Charles Correa, Raj Rewal, Hafeez Contractor, Gautam Bhatia, Uttam Jain, Romi Khosla, etc.	6	4
	ce Books:			
	• •	Sir Banister Fletcher,		
		900 by W. J. R. Curtis itical History by K. Frampton		
		n Century by P. Gossel & G. Leuthauser		
		rn Architecture by C. Jencks		
	ing Source:			
https://s	study.com/academy/le	esson/modernism-in-architecture-definition-history.html		
https://v	www.archdaily.com/9	31129/12-important-modernist-styles-explained		
https://w	www.invaluable.com/	/blog/postmodern-architecture/		
https://v	www.academia.edu/8	859069/A_Search_for_Post_Modernism_in_Indian_Architecture		

						С	ourse A	Articul	ation N	Aatrix:	(Mappi	ng of CO	s with PO	s and PSC	Ds)			
PO- PSO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6
CO		-											2	2	2	1		
CO1	2	2	2	2	1	-	3	2					3	2	3	1		
CO2	2	3	2	1	2	-	3	2					3	1	2	3		
CO3	3	3	2	2	1	-	2	3					3	3	1	3		
CO4	3	3	2	3	2	-	1	3					3	2	3	2		
	1- Low Correlation; 2- Moderate Correlation; 3- Substantial Correlation																	

Ar. Shweta Verma

Name & Sign of Program Coordinator

Sign & Seal of HoD



Effective from Session: 2021	- 2022						
Course Code	AR405	Title of the Course	Architectural Structures-VI	L	Т	Р	C
Year	IV	Semester	VII	2	-	-	2
Pre-Requisite	AR313	Co-requisite	AR402				
Course Objectives	basis to und 2. De various part 3. An	erstand study of struct veloping in students, s of different structura alysis and design of in	material skills to analyze and understand fundame	entals			C

	Course Outcomes
CO1	Purpose and Architectural Aspects of Shear Walls, Its behavior and structural details.
CO2	Understanding Folded plate as a form-active system, Cross-sectional dimensions of folded plate.
CO3	General understanding of shell behavior, Historical perspective Modern day use.
CO4	Different structural systems for high rise buildings and their advantages and disadvantages.
CO5	Understanding general structural behavior of tension systems.

Unit No.	Title of the Unit	Content of Unit	Contact Hrs.	Mapped CO
1	SHEAR WALL CONSTRUCTION	Introduction, Purpose and Architectural Aspects of Shear Walls, Its behavior and Comparison with conventional Load bearing wall and frame structure, Classification and types, Construction process	6	1
2	FOLDED PLATE, PLATES AND GRIDS	Folded Plate: General understanding of folded plate, Folded plate as a form-active system, Cross-sectional dimensions of folded plate, Ferro cement as a material for folded plate construction, examples modern day use. Plates and Grids: General understanding of structural behavior of plates and grids, one and two way action, grid floor, rectangular and skew grids, T-beam action, filler slabs, Examples of modern day use.	6	2
3	SHELLS AND SPACE FRAME	Shells: General understanding of shell behavior, Historical perspective Modern day use, thick shell thin sell, membrane stresses in thin shell, geometry of shells, of and Meridian stress. Space Frame: General understanding of structure of space frame, space structures against plane structures, examples of modern day use.	6	3
4	HIGH RISE STRUCTURES	Principles of high rise structures, different structural systems for high rise buildings, advantages and disadvantages of each, considerations in multistory frame for wind, examples of modern day use.	6	4
5	TENSILE STRUCTURES	Principles of tensile structures, understanding general structural behavior of tension systems, sag and cross sectional area of cables, cable suspended and cabled stayed structure, examples of modern day use.	8	5
Referen	ce Books:			
Structur	res In Architecture: T	he Building Of Buildings, Prentice Hall Inc., 1963 by Heller Robert and Salvadori Mar	rio	
Precast 0	Concrete Structures (2nd	l Edition) by Kim S. Elliott		
Prefabrio	cated Structure by ARS	Pub. Chennai V. Soundara Rajan		
Earthqua	ake resistant design of s	tructures by S. K. Duggal		
Safety, H	Health and Environment	Handbook by K.T. Narayanan		
e-Learn	ing Source:			
http://w	ww.cement.org/ceme	ent-concrete-basics/products/prestressed-concrete		
Structur	re form & Synergy: h	ttps://archive.nptel.ac.in/courses/124/107/124107012/		
Dynami	ics of Structure: https	://archive.nptel.ac.in/courses/105/101/105101209/		

						С	ourse A	Articul	ation N	Aatrix:	(Mappi	ng of CO:	s with PO	s and PSC	Os)			
PO- PSO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6
C0 C01	1	2	3	2	3	3	2	1					3	3	2	2		
CO2	1	3	2	2	-	3	2	1					2	3	2	1		
CO3	1	3	3	2	3	3	2	1					3	3	3	1		
CO4	1	2	3	2	2	3	2	1					3	2	3	1		
CO5	1	3	3	2	-	2	3	1					3	2	3	2		

Ar. Shweta Verma Name & Sign of Program Coordinator

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Effective from Session: 2021	-2022						
Course Code	AR 406	Title of the Course	TOWN PLANNING	L	Т	Р	C
Year	IV	Semester	VII	1	2	-	2
Pre-Requisite	AR303	Co-requisite	Nill				
Course Objectives	to the archit 2. To	ectural projects in cor	n planning surveys, analysis, generating alternative p				

	Course Outcomes
CO1	To introduce the subject of Town planning to students of architecture so that the students can relate to the architectural projects in
	the context of planning.
CO2	To develop basic skills in planning surveys, analysis, and generating alternative planning strategies
CO3	evaluation of options and preparation of plans.
CO4	Understand planning principles and their evolution.

Unit No.	Title of the Unit	Content of Unit	Contact Hrs.	Mapped CO						
1	Introduction	Introduction to the subject of Town Planning, need of study of Town Planning for an architect. Planning Theories – Theories by Le Corbusier, Sir Pattrick Geddes, Sir Ebenezer Howard, C.A. Doxiadis, Clarence Perry and Lewis Mumford	08	1, 2 & 4						
2	Development of Towns/ Cities	Development of new towns and cities. Study of new towns such as New Delhi, Chandigarh, Gandhinagar, Noida, and Navi Mumbai Study existing settlements with respect to current theories in planning	12	2, 3 & 4						
3	Planning Principles and Techniques	Planning Surveys, Planning Standards, Preparation of Master plans, Zoning and Development controls	10	1, 2 & 4						
4	Traffic and Transportation Planning	Introduction to traffic and transportation planning Roads and traffic studies, Awareness of concepts related to various traffic problems in India. Understanding of PCU, Traffic volume, Road capacities, Road types; their sections and intersections, parking areas, pedestrian & slow-moving traffic planning, Traffic calming as per IRC guidelines. Modern Transportation systems: New concepts in mass and rapid transportation systems e.g. BRT, LRT and Metro rail.	10	1, 2 & 3						
5	Introduction of Governing Bodies	Planning Process & Standards Understanding of the planning process. Relevance of standards in planning as per UDPFI guidelines prepared by TCPO. Introduction to professional bodies like ITPI, CTCP, DDA, LDA.	08	1						
Referen	ce Books:									
	Pattern by B. Gallion.									
	nentals of Town Planning									
-	History by Mumford, Le									
-	in the town by Korn, Au									
	lanning by S. C. Rangwa	ala								
	ning Source:	$c_{0}/c_{1}/c_{1}/f_{2}/d_{c}/d_{c}/d_{m}$								
	http://www.collectionscanada.gc.ca/obj/s4/f2/dsk3/ftp04/MQ61319.pdf http://archive.org/stream/principlesofcity00lohmrich/principlesofcity00lohmrich_djvt									
-	http://www.srmuniv.ac.in/downloads/townplaning.pdf									
<b>^</b>		ons/sub legis/ulcra 1976.pdf								
<b>^</b>	ě	s/land-aquisition-act-1894.pdf								
-	* *	/what-is-rent-control-act/								

PO-	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PSO4	PSO6	PSO7
PSO CO	FUI	F02	105	r04	105	FUO	F0/	100	109	FOID	FUIT	F012	1301	F302	1303	F304	1300	1307
CO1	1	1	1	3	3	1	3	2					3	2	3	3		
CO2	3	3	1	1	3	1	1	3					3	3	2	1		
CO3	2	2	3	1	2	2	1	1					3	3	3	2		
CO4	2	2	1	3	2	3	3	3					3	2	3	1		
	1-	L	ow Co	rrelati	on; 2- 1	Moder	ate Co	relatio	on; 3- 8	Substan	tial Cor	relation						

Ar. Shweta Verma Name & Sign of Program Coordinator





Effective from Session: 202	1 - 2022						
Course Code	AR407	Title of the Course	Elective I - Architectural Photography	L	Т	Р	С
Year	IV	Semester	VII	2	-	-	2
Pre-Requisite	AR112	Co-requisite	Nil				
Commo Obligations	To enable st	tudents a choice of sub	jects at the undergraduate level itself so that these coul	d be f	urther	devel	oped
Course Objectives	in the profe	ssion or studies at Pos	t Graduate levels if the student so desires.				î

	Course Outcomes						
CO1	Learning about the history and basics of photography.						
CO2	O2 Learning about the use of camera.						
CO3	Understanding of camera settings.						
CO4	Understanding the use of different rules of photography.						

Unit No.	Title of the Unit	Content of Unit	Contact Hrs.	Mapped CO
1	Introduction	History of photography, Types of photography, elements like line, shape, colour, texture, etc.	6	1
2	Introduction To Camera	Parts of a camera, automatic and manual settings, types of cameras	6	2,3
3	Settings Of Camera	ISO, Aperture, shutter speed, Concept of lighting	10	1,2,3,4
4	Rules Of Photography	Compositions, Rule of third, leading lines, rule of odds, triangles, setting frames, light exposure, depth of field, etc.	10	1,2,3,4
5				
Referen	ce Books:			
Unders	standing Exposure: I	How to Shoot Great Photographs with a Film or Digital Camera by Bryan F. Peterson		

The Photographer's Eye by Michael Freeman

e-Learning Source:

https://www.udemy.com/course/photography-masterclass-complete-guide-to-photography/

https://www.udemy.com/course/mobile-photography-masterclass-for-instagram/

https://www.udemy.com/course/mobile-photography-for-beginners-master-your-smartphone/

	Course Articulation Matrix: (Mapping of COs with POs and PSOs)																
PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6
1	3	3	2	3	2	3	1					2	3	2	1		
2	2	3	3	3	2	1	3					1	2	1	1		
3	3	3	1	2	2	1	1					2	3	2	2		
2	3	3	1	1	2	1	1					1	3	2	1		
	PO1 1 2 3 2	1         3           2         2           3         3           2         3	1         3         3           2         2         3           3         3         3           2         3         3	1         3         3         2           2         2         3         3           3         3         3         1           2         3         3         1	1     3     3     2     3       2     2     3     3     3       3     3     3     1     2       2     3     3     1     1	PO1         PO2         PO3         PO4         PO5         PO6           1         3         3         2         3         2           2         2         3         3         3         2           3         3         3         1         2         2           2         3         3         1         1         2	PO1         PO2         PO3         PO4         PO5         PO6         PO7           1         3         3         2         3         2         3           2         2         3         3         3         2         1           3         3         3         1         2         2         1           2         3         3         1         1         2         1	PO1         PO2         PO3         PO4         PO5         PO6         PO7         PO8           1         3         3         2         3         2         3         1           2         2         3         3         3         2         1         3           3         3         3         1         2         2         1         1           2         3         3         1         2         1         1	PO1         PO2         PO3         PO4         PO5         PO6         PO7         PO8         PO9           1         3         3         2         3         2         3         1         1           2         2         3         3         3         2         1         3         1           3         3         3         1         2         2         1         1           2         3         3         1         2         1         1         1	PO1         PO2         PO3         PO4         PO5         PO6         PO7         PO8         PO9         PO10           1         3         3         2         3         2         3         1             2         2         3         3         3         2         1         3              3         3         3         1         2         2         1         1             2         3         3         1         2         2         1         1             2         3         3         1         2         2         1         1	PO1         PO2         PO3         PO4         PO5         PO6         PO7         PO8         PO9         PO10         PO11           1         3         3         2         3         2         3         1             PO10         PO11           1         3         3         2         3         2         3         1               PO11         PO11           2         2         3         3         3         2         1         3   <	PO1         PO2         PO3         PO4         PO5         PO6         PO7         PO8         PO9         PO10         PO11         PO12           1         3         3         2         3         2         3         1            PO10         PO11         PO12           1         3         3         2         3         2         3         1              PO12           2         2         3         3         3         2         1         3  <	PO1         PO2         PO3         PO4         PO5         PO6         PO7         PO8         PO9         PO10         PO11         PO12         PS01           1         3         3         2         3         2         3         1             PS01         PO11         PO12         PS01           1         3         3         2         3         1              2           2         2         3         3         3         2         1         3                1         1	PO1         PO2         PO3         PO4         PO5         PO6         PO7         PO8         PO9         PO10         PO11         PO12         PS01         PS02           1         3         3         2         3         2         3         1             PS01         PS02         PS01         PS02          3           2         2         3         3         3         2         1         3                 2         3	PO1         PO2         PO3         PO4         PO5         PO6         PO7         PO8         PO9         PO10         PO11         PO12         PS01         PS02         PS03           1         3         3         2         3         2         3         1              PS01         PS02         PS03         PS03 <th>PO1         PO2         PO3         PO4         PO5         PO6         PO7         PO8         PO9         PO10         PO11         PO12         PS01         PS02         PS03         PS04         PS04           1         3         3         2         3         1              PS01         PS02         PS03         PS04         PS04</th> <th>PO1         PO2         PO3         PO4         PO5         PO6         PO7         PO8         PO9         PO10         PO11         PO12         PS01         PS02         PS03         PS04         PS05           1         3         3         2         3         2         3         1         4         4         4         4         2         3         2         1         4</th>	PO1         PO2         PO3         PO4         PO5         PO6         PO7         PO8         PO9         PO10         PO11         PO12         PS01         PS02         PS03         PS04         PS04           1         3         3         2         3         1              PS01         PS02         PS03         PS04         PS04	PO1         PO2         PO3         PO4         PO5         PO6         PO7         PO8         PO9         PO10         PO11         PO12         PS01         PS02         PS03         PS04         PS05           1         3         3         2         3         2         3         1         4         4         4         4         2         3         2         1         4

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Effective from Session: 2021	1 - 2022						
Course Code	AR408	Title of the Course	Elective-I (Art in Architecture)	L	Т	Р	С
Year	IV	Semester	VII	2	-	-	2
Pre-Requisite	Nil	Co-requisite	Nil				
Course Objectives			jects at the undergraduate level itself so that these coul t Graduate levels if the student so desires.	d be f	urther	develoj	ped

	Course Outcomes
CO1	Understanding the art around the world.
CO2	Study and understanding the relation of art and architecture.
CO3	Analyze and implementation of previous works of artist in today's world.
CO4	Learn the process of documenting the work

Unit No.	Title of the Unit	Content of Unit	Contact Hrs.	Mapped CO					
1	Introduction	Role of art in history of World Architecture	4	1					
2		Symbiotic relationship of art and architecture	4	1,2					
3		Application of different art forms in architecture	6	2,3					
4		Works of different artists and architects that reflects the inter relationship.	8	1,2,3					
5	Documentation	Documentation of the different types of Artwork by different artist of the work.	10	1,2,3,4					
Referen	ce Books:								
Art and	Architecture: A Plac	e between by Jane Rendell							
The Art-Architecture Complex by Hal Foster									
The Ar	t of Architecture by S	tanislaus Von Moos by Le Corbusier							

#### e-Learning Source:

https://www.researchgate.net/publication/346028731\_Art\_and\_Architecture

https://www.eden-gallery.com/news/is-architecture-art

https://owlcation.com/humanities/Deriving-Meaning-from-Art-and-Architecture

https://www.janerendell.co.uk/wp-content/uploads/2009/03/Art-and-Architecture-prepublication.pdf

		Course Articulation Matrix: (Mapping of COs with POs and PSOs)																
PO- PSO CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6
CO1	1	3	3	2	-	2	1						1	2	3	1		
CO2	2	2	3	2	1	1	1						2	2	3	1		
CO3	3	3	3	1	1	2	1						2	3	3	2		
CO4	2	3	3	1	1	1	3						1	3	2	1		

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Effective from Session: 2021	- 2022						
Course Code	AR409	Title of the Course	Elective - I (Applied Ergonomics)	L	Т	Р	С
Year	IV	Semester	VII	2	-	-	2
Pre-Requisite	Nil	Co-requisite	Nil				
Course Objectives			jects at the undergraduate level itself so that these coul t Graduate levels if the student so desires.	d be f	urther	devel	oped

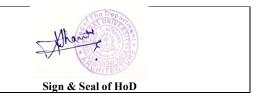
	Course Outcomes
CO1	To understand the basics and importance of ergonomics
CO2	To understand the domains of ergonomics and gross human anatomy.
CO3	To apply and analyse the integration of ergonomics in design and architecture
CO4	To analyse the needs of special users using principles of ergonomics
CO5	To develop and design architectural solutions according to ergonomic principles

Unit No.	Title of the Unit	Content of Unit	Contact Hrs.	Mapped CO			
1	Introduction	Introduction to Human Function, Human centred design	6	1			
2	Ergonomics and Design	Human being in the manmade world and importance of ergonomics, Gross human anatomy	8	2,3			
3	Ergonomics Design	Ergonomics and Design, Physical Ergonomics, Tools and techniques for Ergonomics., Cognitive Ergonomics	8	3,4			
4	Anthropometrics	Introduction to Anthropometrics: static and dynamic; Disability, Ageing and	6	4			
5	Inclusive Design	Inclusive Design- Built environment for the physically handicapped	4	3,4,5			
Referen	ce Books:			•			
R. S. B	ridger, "Introduction	to Ergonomics", CRC Press.					
Educati	ion, Inc., Upper Saddl	ods, Measurement, and Management of Work, by Mikell P. Groover, ISBN 0-13-1406 le River, NJ. All rights reserved. actors Engineering by Christopher D. Wickens	50-7. ©2007	7 Pearson			
The pra	actice and managemer	nt of Industrial Ergonomics by David C. A.					
Engineering Psychology and Cognitive Ergonomics (Ed. Don harris)							
e-Learn	ing Source:						
	d Ergonomics - Cours	e (nptel.ac.in)					
	-	1   ScienceDirect com by Elsevier					

Applied Ergonomics | Journal | ScienceDirect.com by Elsevier

		Course Articulation Matrix: (Mapping of COs with POs and PSOs)																
PO- PSO CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6
CO1					2		3	1					1	3	2	2		
CO2		2	3	1			2						1	3	3	2		
CO3	3	2			1			2					1	2	2	3		
CO4	2	2	1	2	3	1		3					1	1	3	2		
CO5	3	2		2	1			3					2	1	3	2		

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Effective from Session: 2021	1 - 2022						
Course Code	AR410	Title of the Course	Elective - I (Graphics and Product Design)	L	Т	Р	С
Year	IV	Semester	VII	2	-	-	2
Pre-Requisite	Nil	Co-requisite	Nil				
Course Objectives	To enable st	udents a choice of sub	jects at the undergraduate level itself so that these coul	d be f	urther	develo	ped
Course Objectives	in the profes	sion or studies at Pos	t Graduate levels if the student so desires.			-	

	Course Outcomes
CO1	To understand the basics and importance of Graphic Design
CO2	To understand the domains Product design.
CO3	To apply and analyze the integration of graphic design in design and architecture
CO4	To analyze the needs of special users using principles of product design
CO5	To develop and design architectural solutions according to product design

Unit No.	Title of the Unit	Content of Unit	Contact Hrs.	Mapped CO					
1	Introduction	Introduction to Graphic and Product Design- Elements, principles and their applications	8	1, 2 & 4					
2	Principles of product design	Concept of Form and Space, Considerations of Color, Pattern, Texture and Proportion in products and product environments.	8	2 & 5					
3	Manufacturing process	Relating Form to Materials and Processes of Manufacture;	4	4 & 5					
4	Software and presentation	Use of Computers for Form generation	6	1 & 4					
5	Case studies	Case studies	6	2					
Referen	ce Books:								
The La	ws of Simplicity by Jo	ohn Maeda							
The De	The Design of Everyday Things by Don Norman.								
Product	Product Design byAlex Milton								
e-Learn	ing Source:								

https://s3.amazonaws.com/designco-web-assets/uploads/2019/05/InVision\_PrinciplesOfProductDesign.pdf

https://www.researchgate.net/publication/320767533\_PRODUCT\_DESIGN\_PRINCIPLES

		Course Articulation Matrix: (Mapping of COs with POs and PSOs)																
PO-																		
PSO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PSO4	PSO6	PSO7
CO																		
CO1	1		2		2			1					3	2	2	2		
CO2		3	3	1			2						2	3	1	2		
CO3	3	2	1		1		2	2					3	3	2	1		
CO4	2	1	1	2	2	1		3					2	1	2	2		
CO5	2	2		2	1			3					2	2	3	2		

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<b>Effective from Session:</b> 2	021-2022						
Course Code	AR411	Title of the Course	Elective-II (Barrier Free Environment)	L	Т	P	C
Year	IV	Semester	VII	2	-	-	2
Pre-Requisite	Nil	Co-requisite	Nil				
Course Objectives			ects at the undergraduate level itself so that these co ies at Post Graduate levels if the student so desires.	uld be	furthe	r	

	Course Outcomes
CO1	Able to understand the basics of Barrier free Environment and its need in the current world.
CO2	Know the Principles, Goals of Barrier free Environment and various design spectrums.
CO3	Understand the Barrier free design: Universal - Inclusive - Accessible Design, Universal Design for Learning (UDL) and Use of Assistive technologies.
CO4	A mini project will help the student to deal with projects in future.

Unit No.	Title of the Unit	Content of Unit	Contac t Hrs.	Mapped CO						
1	Introduction	Introduction to Barrier free environment, Scope and Need in Architectural design. Types of disabilities- Non-ambulatory, Semi ambulatory, visually challenged, Hearing Impaired.	6	1 & 2						
2	Standards and Guidelines	Standards and Norms for various facilities to meet disabled people's standards for safety, convenience and usability.	7	2						
3	Deep Dive-1	Barrier free designing in various building types : Institutional,	5	3						
4	Deep Dive-2	Barrier free designing in various building types : Residential, Recreational etc.	4	3 & 4						
5	Mini Project	As per brief introduced by course teacher (based on unit 03 and 04).	10	4						
Refere	nce Books:									
Creatin	g Inclusive Environm	ents, 2012 - Edward Steinfeld and Jordana L. Maisel, Universal Design –								
Univer	sal Principles of Desi	gn, 2003 by William Lidwell, Kritina Holden, Jill Butler								
Univers	sal Methods of Desigr	n, 2012 by Bruce Hanington, Bella Martin								
Barrier	-Free Design, 1996 Cl	PWD by James Holmes-Seidle								
e-Lea	rning Source:									
	U	sign in Built Environment by Anjali Sharma and Kuldeep Kumar								
Barrier	Barrier Free Design for Disabled Persons by Pl Falta									
Behavio	Behavioral Factors in Barrier-Free Design By Adaptse EA UFMG									
		· · ·								

PO- PSO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PSO4
CO																
CO1	3	1	2	2	3	3	1	1					2	3	2	3
CO2	3	1	1	2	3	2	1	2					1	3	1	2
CO3	2	2	2	1	3	2	2	1					3	3	3	1
<b>CO4</b>	2	1	2	2	3	3	2	1					3	3	3	2

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Effective from Session: 2021	- 2022						
Course Code	AR412	Title of the Course	Elective-II (Urban Design)	L	Т	Р	С
Year	IV	Semester	VII	2	-	-	2
Pre-Requisite	Nil	Co-requisite	Nil				
Course Objectives	<ol> <li>Ma could furthe</li> <li>Stu</li> <li>Stu</li> <li>Un</li> <li>Un</li> <li>Dis</li> </ol>	king students well ve r develop in the profe dying and finding be derstanding the scope derstanding Urban Do scussion on Previous	ory and understanding of Architectural Urban Design. rsed in the process of Urban Design at undergraduate ssion or studies at postgraduate levels if the student so the techniques that can be applied to improve Urban D e and limitation of Urban Designing. esign as a profession. research works/ articles on Urban Design. Urban Designing techniques and various Applications	level desin Design	es.	they	

	Course Outcomes							
CO1	Understand Urban Design and its process.							
CO2	Study and find better techniques of Urban Design.							
CO3	Analyze, troubleshoot, and implement Urban Design related solutions with previously done works and researches.							
CO4	Learn the process of documenting the work of Urban Design.							

Unit No.	Title of the Unit	Content of Unit	Contact Hrs.	Mapped CO							
1	Introduction	Concepts of Urban Design as distinct from architectural design and city planning.	8	1, 2 & 3							
2	Urban design terminologies	Parameters of urban design, concept of space and its articulation principles of urban design,	8	3 & 4							
3	Effects of urban growth	Effect of urban growth patterns	4	4							
4	Effects on city	the resultant influence of urban design forms on cityscape.	6	1 & 4							
5	Urban Design now	Evolution and reconstructive study of live examples of urban design.	6	4							
Referen	ce Books:										
The De	ath and Life of Great	American Cities by John Jacobs									
Image o	of the City by Kevin I	Lynch									
A new	theory of urban design	n by Christopher Alexander									
e-Learn	ing Source:										
https://u	https://uccrn.ei.columbia.edu/sites/default/files/content/pubs/ARC3.2-PDF-Chapter-5-Urban-Planning-and-Design-										

wecompress.com\_.pdf

https://www.sandiego.gov/sites/default/files/legacy/planning/genplan/pdf/generalplan/adoptedudelem.pdf

						С	ourse A	Articul	ation N	Aatrix:	(Mappi	ng of CO	s with PO	s and PSC	Ds)			
PO- PSO CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PSO4	PSO6	PSO7
CO1	1	3	3	2	3	2	3	1					2	2	2	2		
CO2	2	2	3	3	3	2	1	3					3	3	1	2		
CO3	3	3	3	1	2	2	1	1					3	3	2	3		
CO4	2	3	3	1	1	2	1	1					2	2	3	2		
	1- Low Correlation; 2- Moderate Correlation; 3- Substantial Correlation																	

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Effective from Session: 2021 - 2022         Course Code       AR413       Title of the Course       Elective-II (Interior Design)       L       T       P										
Course Code	Elective-II (Interior Design)	L	Т	Р	С					
Year	IV	Semester	VII	2	-	-	2			
Pre-Requisite	Nil	Co-requisite	Nil							
Course Objectives	<ol> <li>Ma further deve</li> <li>Stu</li> <li>Un</li> <li>Un</li> <li>Dis</li> </ol>	king students well ver lop in the profession dying and finding ber derstanding the scope derstanding Interior I scussion on Previous	ory and understanding of Interior Design. rsed in the process of Interior Design at undergraduate or studies at postgraduate levels if the student so desir the techniques that can be applied to improve Interior and limitation of Interior Designing. Design as a profession. research works/ articles on Interior Design. Interior Designing techniques and various Application	es. Desig		they co	vuld			

	Course Outcomes
CO1	Understand Interior Design and its process.
CO2	Study and find better techniques of Interior Design.
CO3	Analyze, troubleshoot, and implement Interior Design related solutions with previously done works and researches.
CO4	Learn the process of documenting the work of Interior Design.

Unit No.	Title of the Unit	Content of Unit	Contact Hrs.	Mapped CO							
1	Unit 1	Principles of Interior Design and their application.	6	1, 2 & 3							
2	2Unit 2Elements of Interior Design – Space, light and illumination, color, texture, furniture (movables & built-in), fittings and fixtures.63 & 4										
3											
4	Unit 4	Modern trends and contemporary attitudes to Interior Design e.g. Modular furniture.	6	1 & 4							
5	5 Unit 5 Design of interiors and making estimates for the designed projects. 8 4										
Referen	ce Books:										
Time-Sa	aver Standards for Int	terior Design and Space Planning by Joseph De Chiara									
The Inte	erior Design Reference	ee & Specification by Mimi Love, Chris Grimley									
The 100	) most important desi	gners of the past 100 years by Jennifer Boles, Inspired Design									
Residen	tial Interior Design: A	A guide to Planning Spaces by Maureen Mitton									
Deborah Needleman, Domino: The Book of Decorating											
e-Learning Source:											
https://www.2020spaces.com/ebook-how-to-start-interior-design-business/											

https://www.2020spaces.com/ebook-choosing-the-best-interior-design-software/

						С	ourse A	Articul	ation N	Aatrix:	(Mappi	ng of COs	s with PO	s and PSC	Ds)			
PO- PSO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PSO4	PSO6	PSO7
CO															-			
CO1	1	3	3	2	3	2	3	1					2	2	2	2		
CO2	2	2	3	3	3	2	1	3					3	3	1	2		
CO3	3	3	3	1	2	2	1	1					3	3	2	3		
CO4	2	3	3	1	1	2	1	1					2	2	3	2		
CO5																		

1-Low Correlation; 2- Moderate Correlation; 3- Substantial Correlation

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Effective from Session: 2021	1 - 2022						
Course Code	AR414	Title of the Course	Elective-II (Architectural Conservation)	L	Т	Р	С
Year	IV	Semester	VII	2	-	-	2
Pre-Requisite	Nil	Co-requisite	Nil				
Course Objectives			pjects at the undergraduate level itself so that these coul the Graduate levels if the student so desires.	d be f	urther	develoj	ped

	Course Outcomes
CO1	Understand conservation and its process.
CO2	Study and find better techniques of conservation.
CO3	Analyze, troubleshoot, and implement conservation related solutions with previously done works and researches.
CO4	Learn the process of documenting the work of conservation.

Unit No.	Title of the Unit	Content of Unit	Contact Hrs.	Mapped CO
1	Introduction	Definitions of basic terms in conservation, natural and cultural heritage, history and theory of conservation.	4	1
2	Introduction to UNESCO	Legislation in conservation. Meaning of cultural heritage, its conservation and sustainability, ICOMOS charters and UNESCO discourse on cultural heritage conservation.	6	1,2
3	Conservation of Built Heritage	To understand the meaning of the built heritage conservation, its integration in environmental planning and development. Meanings of vernacular architecture for local communities.	8	2,3
4	Conservation Processes	Conservation methods are consolidation, reproduction, reconstruction, preservation, deterioration perversion, rehabilitation, and restoration.	8	3,4
5	Documentation process.	Relating the knowledge and understanding to present the document by past and present situation and uses.	6	1,2,3,4

**Reference Books:** 

Architectural Conservation by Aylin Orbasil

A history of Architectural Conservation by Emily Gunzburger Makas

The Conservation Movement: A History of Architectural Preservation: Antiquity to Modernity by Miles Glendinning

e-Learning Source:

https://www.un.org/youthenvoy/2013/08/unesco-united-nations-educational-scientific-and-cultural-organization/

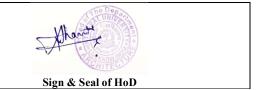
https://australia.icomos.org/wp-content/uploads/The-Burra-Charter-2013-Adopted-31.10.2013.pdf

http://orcp.hustoj.com/wp-content/uploads/2016/01/1964-The-context-of-the-Venice-Charter-1964.pdf

 $https://sist.sathyabama.ac.in/sist\_course material/uploads/SAR1502.pdf$ 

						С	ourse A	Articul	ation N	Aatrix:	(Mappi	ng of COs	s with PO	s and PSC	Ds)			
PO- PSO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6
CO																		
CO1	1	3	3	2	3	2	3	1					1	1	1	3		
CO2	2	2	3	3	3	2	1	3					1	2	2	3		
CO3	3	3	3	1	2	2	1	1					1	1	1	3		
CO4	2	3	3	1	1	2	1	1					2	1	1	2		

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Effective from Session: 202	1 - 2022						
Course Code	AR415	Title of the Course	Practical Training	L	Т	Р	C
Year	IV	Semester	VIII	-	-	-	3
Pre-Requisite	Nil	Co-requisite	Nil				
Course Objectives	Department Coordinator 2. The range of pra qualifying E 3. The himself/hers must opt th	will approve the offic / Training and Placer e aim and objectives actical experience wh 3. Arch. Course. e student must try to self with various worl	I to undergo 'Practical Training' in the VIII Semeste ce/ institution of the 'Practical-Training' in consultation ment cell of the University. of the 'Practical Training' is to enable the students to ich will prepare them for their likely responsibilities, o seek a variety of experiences in his/her 'Training cs, procedures etc. of the architecture profession. Pref is in developed cities to have maximum exposure tc.	on with gain imm office erably	h the T the ki ediatel e' to ac y the st	raining nd and y after equaint tudents	

	Course Outcomes
CO1	Become a responsible person immediately after qualifying B.Arch. courses.
CO2	Learn various work, procedures etc. of the architecture profession.
CO3	Explore new material, technologies, building practices, etc.
CO4	Understand the site features and way of construction with various technologies.
CO5	Enhance the professional development skill to deal with the client, labor, vendor, etc.
CO6	Know the environment of a well-established office that can be helpful for future purposes.

S. No.	Title	Content
1	Aim and Objectives of Practical Training	The student must try to seek a variety of experiences in his/her 'Training office' to acquaint himself/herself with various works, procedures etc. of the architecture profession. Preferably the students must opt their Training offices in developed cities to have maximum exposure of new material, technologies, building practices etc.
2	Criteria for selection of a Training Office	<ul> <li>In case of a proprietorship firm, the proprietor shall be an architect; also, the firm shall have at least two or more architects as employees/associates.</li> <li>In the case of 'Partnership' / 'Pvt. Ltd.' Firms, at least one of the partner/directors shall be an architect, and the firm shall have at least one or more architects as Partner/director/employee/ associate.</li> <li>In case of a 'Public-sector' /'State or Central Government office/academic institute or a multinational organization", there shall be a separate wing for architectural consultancy works consisting of architects.</li> <li>The said architect (Proprietor/Partner/Director/Head of Department/Chief Architect etc.) shall have at least 05 years of working experience and the organization should have a variety of projects.</li> <li>Training in Foreign Country can be undertaken under the Registered Architect of that Country but has to be specifically approved and monitored by the Head of the Department.</li> </ul>
3	Arranging/Fixing- up the Training office	<ul> <li>The Faculty of Architecture, Integral University, directly or through the 'Training and Placement Cell' of the University may provide a list of offices, along with their addresses of some well-established and recognized architects. Addition, alteration and deletion in such a list may be made from time to time in conformity to 'Criteria' as laid down for selection of a training office.</li> <li>After seeking advice from 'Training and Placement Cell', the student shall make his/her options available to the Training and Placement Cell.</li> <li>With the help of 'Training and Placement Cell', the student shall make all efforts to settle his/her appointment as trainee with an established and recognized architect.</li> </ul>
4	Working Relationship between the Architect and the Trainee	<ul> <li>appointed us that do used when an established and recognized arometer.</li> <li>The architect shall provide enough works to the trainee to keep him/her occupied. He shall expose the trainee to different aspects of professional practice. The tasks given to the trainee shall include preparation of the following: <ul> <li>Sketch designs, presentation drawings etc.</li> <li>Municipal drawings according to the byelaws,</li> <li>Workings drawings and details.</li> <li>Estimates, bill of quantities &amp; specifications.</li> <li>Models, perspectives and photographs. Reports, progress charts etc.</li> <li>Besides above the trainer will facilitate; Discussions with the Clients, Structural Consultants, Services Consultants etc.</li> </ul> </li> </ul>
5	Honorarium/Stipe nd	<ul> <li>The architects usually pay some amount as honorarium/stipend to meet out of pocket expenditure to the trainee. The University shall have no objection if the trainees accept/receive such honorarium/stipend.</li> <li>The mode and amount of the honorarium shall depend upon the office and be based upon a mutual agreement between the employing architect and the trainee. However, it shall neither be a claim of the trainee nor binding on the architect but for proper professionalism and to maintain the dignity of profession, the</li> </ul>

		training office of architects new a respectable amount as stinged the nerver in m
		<ul> <li>training office of architects pay a respectable amount as stipend/honorarium.</li> <li>The University/Training and Placement cell of the Institute shall not in any way be responsible for</li> </ul>
		the payment against any sorts of damages, whatsoever.
		<ul> <li>He/she shall abide by the rules, regulations and general instructions of the office/firm. He/she shall</li> </ul>
		remain punctual and regular in attendance.
		• He/she shall make all efforts to learn the work involved in the profession, and if so required for
		work, shall attend the office beyond the scheduled time in the office.
		• He/she shall respect and obey the senior members of the office/firm.
	Code of conduct	• He/she shall take up the job with full responsibility and show utmost interest in the work allotted.
6	for the trainee	• He/she shall inform the institute/training and placement cell about joining in the training office, its
		address and contact numbers. He/she shall also inform the address of the accommodation acquired during
		<ul> <li>the training period.</li> <li>He/she shall remain in regular touch with the University/ 'Training and Placement Cell' and shall</li> </ul>
		keep the Training and Placement Cell fully informed about his/her progress in the training office.
		<ul> <li>In case of any complaint or misconduct, the University/Training and Placement Cell may take</li> </ul>
		suitable and strict action against the student.
		• The trainee is expected to join the training office on the scheduled date, and submit his 'Joining
7	Taining and	Report' on the letterhead of the office duly signed by Head of the Training to the Training Coordinator
	Joining and Leaving the Training Office	Institute in the Performa prescribed for the purpose and contained in the Log Book.
/		• The trainee must obtain a 'No Dues Certificate' duly and get relived from the office at the end of
	Training Office	the training period or before changing the 'Training Office'. The trainee must submit this 'No Dues
		Certificate' along with the Log Book.
	Change of Training Office	• In case of any emergency, a trainee may be permitted to change the training office/place of training
		once only during the entire period of training. He/she shall inform the Principal/Director/Head of Department/Officer in-charge of the 'Training and Placement Cell', and seek prior permission for such a
8		change
		• The total duration of the practical training shall be the sum of the period of stay in different offices.
		It shall be in conformity with the 'Duration of Training' as prescribed in the 'Ordinances, Scheme of
		Examination & Syllabus' of the University
		The Trainee will have to submit through e-mail fortnightly progress reports to the Training Coordinator of
	Continuous	the Department of Architecture, Integral University, on the prescribed format, who shall monitor the progress
9	Assessment and	of each and every trainee and suggest remedial measures as and when required. The Training Coordinator
	Monitoring	will also remain in constant touch with the Trainer to ensure that the trainee is going on as per the aim and
		objectives of the training.           After completion of practical training, the trainee is required to submit the following in the University:
		<ul> <li>Certificate' of successful completion of the practical training mentioning the attendance in</li> </ul>
		percentage, from the architect.
		• 'Daily Diary' with details of the day to day work record, which will be returned to the student after
10		assessment and viva voce examination. The suggested 'Performa' of the page of the daily diary is available
	Final Submissions	in the prescribed 'Log-Book'.
10		• 'Training report' supplemented with the prints and documents of work done during practical
		training. The prints and documents shall be obtained with the permission of the architect's office and shall
		be duly signed by the 'Supervisor'.
		• Training report shall be submitted in three copies. First copy shall be returned to the student after assessment of sessional marks and viva voce examination. The second copy shall be retained by the Training
		and Placement Cell/library. These shall be presented in A-4 size with ring binding.
	Internal	
11	Assessment	An internal assessment of the training will be conducted by an internal jury consisting of Two Senior Faculty
	(Sessional Marks)	Members and the Training Coordinator.
		Viva Voce Examination shall be conducted by a Jury constituted by the Examination Department of the
12	Viva Voce	University which will consist of following Members:
	Examination	Two Senior Faculty Members
		One Practicing Senior Architect.
13	Failures	In case the student/ trainee remains unsuccessful or fails in completing his/ her training, internal assessment or viva- voce examination, he/she shall have to repeat the whole semester and will not be promoted to the
15	1 anuros	next class till successfully completing and clearing the Practical Training.
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		Course Articulation Matrix: (Mapping of COs with POs and PSOs)																
PO- PSO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6
СО																		
CO1	I	3	2	-	3	-	-	-					3	2	3	3		
CO2	3	3	2	3	-	-	1	3					3	2	3	3		
CO3	2	2	3	3	2	2	1	3					3	2	3	3		
CO4	2	3	3	2	3	3	1	3					3	2	3	3		
CO5	1	3	3	2	3	1	1	3					3	2	3	3		
CO6	-	3	1	-	2	1	-	-					3	2	3	3		
	1-	L	ow Co	rrelati	on; 2-1	Moder	ate Co	rrelatio	on; 3- 8	Substan	tial Cor	relation	•					

Ar. Shweta Verma Name & Sign of Program Coordinator

