FINAL Teaching - Evaluation Scheme for B. Arch (October 2021)												
Course	Subject / Course	1/14	\$/14	SEIVIES		Cr	тм	C & 1	MSE	۲۵۶	FSF	FCF_
Code		L/ W	37 W	1,00		G	1 171	CAI	IVIJE	CAZ	P	SV/STW
BA21051S	Architectural Design IV	0	10	10	SV	10	500	100	0	100	0	300
BA21052S	Building Construction Technology-V	0	4	4	SV	4	200	40	0	40	0	120
BA21053S	Working Drawing I	1	2	3	STW	3	150	30	0	30	0	90
BA21054T	Culture & Built Form-V	2	0	2	TH	2	100	10	20	10	60	0
BA210551	I NEORY OF STRUCTURE-V	2	0	2		2	100	10	20	10	60	0
BA210561	Building Services - III	2 1	0	2		2	100	10	20	10	60	0
BA210575 BA21058T		1	2	3	5100	3	150	50	0	50	0	90
DA210001		2	U	2	ΙH	2	100	10	20	10	60	0
BA210595	A. Appropriate Building Technologies	2	0	2	STW	2	100	20	0	20	0	60
	B. Architectural Journalism											
	Total	12	18	30		30	1500					
				SEMECT								
Course Code	Subject / Course	L/w	S/w	T/w	СТ	Cr	ТМ	CA1	MSE	CA2	ESE- P	ESE- SV/STW
BA21061S	Architectural Design V	0	10	10	SV	10	500	100	0	100	0	300
BA21062S	Building Construction Technology-VI	0	4	4	SV	4	200	40	0	40	0	120
BA21063S	Working Drawing II	1	2	3	STW	3	150	30	0	30	0	90
BA21064T	Culture & Built Form-VI	2	0	2	тн	2	100	10	20	10	60	0
BV010CEC	(Contemporary Architecture)	2	0	2	CT\A/	2	100	20		20		<u>د</u> م
BA210655	Building Services - W	2	0	2	5170	2	100	20	U	20	U	00
DAZIODOI		2	0	2	TH	2	100	10	20	10	60	0
BA21067S	Landscape Design II	1	2	3	STW	3	150	30	0	30	0	90
BA21068S	A. Architectural Design in Steel B. Contemporary processes in Architecture	2	0	2	STW	2	100	20	0	20	0	60
BA21069S	Elective VII (any one) A. Graphic and Product Design B. Vernacular Architecture	2	0	2	STW	2	100	20	0	20	0	60
	Total	12	18	30		30	1500					
Abbreviatio	ons:											
L/w	Number of Clock Hours of Lectures	s per w	eek fo	r the Sı	ubject /	Cours	e					
S/w	Number of Clock Hours of Studios	per we	ek for	the Su	bject / C	Course	2					
 T/w	Total Number of Clock Hours per v	veek fr	or the 9	Subject	/ ()	<u>р</u>	-					
<u>., w</u> ст	Subject / Course Type: Theory /TH) or C++		rm \//	rk (CTIM	- Vor St	udio Vi	(2)/2				
	Total Number of Credite ellette d							va (3v)				
	Total Number of Credits allotted fo	or the	Subjec		ise in th	e sen	iester					
ТМ	I otal Number of Marks allotted fo	r the S	ubject	/ Cour	se in the	Sem	ester					
CA 1	Marks allotted for Continuous Ass the Subject / Course in the Semes	essme ter	nt duri	ng the	Semeste	er bef	ore Mid	Semest	er exan	nination	IS	
MSE	Marks allotted for Mid Semester e	xamin	ations	for the	Subject	/ Cοι	urse in t	he Seme	ester			
CA2	Marks allotted for Continuous Ass Subject / Course in the Semester	essme	nt duri	ng the	Semeste	er aft	er Mid S	Semeste	r exami	nations	the	
ESE-P	Marks allotted for End of Semester	r exan	ninatio	ns Pan	er for th	e Sub	iect / C	ourse in	the Ser	nester		
	Marks allotted for End of Somest	or over	ainatio	nc C+		onal	Nork or	Studio V	/iva for	the Cul	iect	
SV/STW	/ Course in the Semester	er exdfi	matio	115 5100	10 26221		WUTK UT	Studio	viva iUľ	ule SUD	ηστι	

THIRD YEAR B. ARCH. - SEMESTER 5

BA21051S: Architectural Design - IV

Course Information:

Sem.	Code	Course	L	S	Т	СТ	Cr	ТМ	CA 1	MSE	CA2	ESE-Pap	ESE-SV/STW
V	BA21051S	Architectural Design - IV	0	10	10	SV	10	500	100	0	100	0	300

Course Pre-requisite:

A Student will be able to attempt this course only if he / she has completed (attended the course; submitted the work) of **"BA21041S Architectural Design - III"** course / subject of semester IV - Second year Architecture, AND has secured passing grade in **"BA21031S Architectural Design - II"** course / subject of semester III - Second year Architecture

Learning Objectives:

After successful completion of this course, student should be able to:

To explore complex concepts. To understand building basic bye-laws in strict application and interdependency of various functions in a public building.

Design Agenda: Multifunctional public building.

Detailed Syllabus:

1	This semester design program focuses on interrelation of various functions (typology) and architectural response towards it.
2	Site analysis with respect to surrounding environment, tradition, culture. Climatic considerations, topographic understanding and water shed awareness.
3	Related Case Studies & studying building bye-laws. Formatting design brief. Research regarding selected philosophy. Understanding characters of selected style.
4	Conceptual explorations of character and selected style. Occupation and meanings of various spaces within a typology placed in a context
5	Considering structural solutions & materials for plural Architectural spaces. Cluster combinational principles. typology, society and community
6	Design Development. Considering building guidelines. Consideration of building related services. Finalization of Design Proposal. Highlighting the character of building as regards to style, Ism or philosophy.
Studio E Institute Proiect	Exercises suggested: Design of Multifunctional public building preferably Large Public Buildings as decided by the e. based on above Modules with creative presentation of drawings & models.

1	Ching, Francis D.K.; Architecture Form, Space and Order.
2	Pandya Yatin, concept of space in traditional Indian architecture,
3	Jain Kulbhushan, Thematic Space in Indian architecture
4	Koolhaas Rem, SMLXL
5	Anant Raje Architects 1971-2009
6	Scriver Peter, After the masters
7	Peter Streens, Patterns in Nature.
8	Anthony Antoniadis - Poetics in Architecture: Theory of design
9	Am heim Rudolf, Visual Thinking.
10	Jonathan A. Hale -Building Ideas. An introduction to Architectural Theory.
11	William J.J. Synectics: The Development of Creative Capacity
12	Elvadine R. Seligmanann : Reaching Students through Synectics: A Creative solution
13	Jyoce, Bruce and Weil Marsha Synetics Involving creative thought

BA21052S: Building Construction and Technology - V

Course Information:

Sem.	Code	Course	L	S	T/w	СТ	Cr	ТМ	CA 1	MSE	CA2	ESE-Pap	ESE-SV/STW
V	BA21052S	Building Construction Technology - V	0	4	4	SV	4	200	40	0	40	0	120

Learning Objectives:

After successful completion of this course, student should be able to: Understand complex construction systems for large structures. Introduction to special techniques used for modern High rises, Prefabrication, as well as influence of Vernacular Architecture in development and adaptation of new systems.

Detailed Syllabus:

1.	High rise buildings in Concrete & steel, Pre-stressedstructures. Technical nomenclature of different steel sections, construction methods, methods of connections, different types of welds, riveting & bolting,
2.	Modular co-ordination, Modular construction, Pre-fabricated elements for structures, specialized plant & machinery used for on-site installation, sequence of operations in construction
3.	Systems developed in response to- Earthquake zone, adverse site conditions like expansive soils – deep foundations, piles & caisson foundations.
4	Waterproofing of Basements, Swimming pools and other water retaining structures. Construction of swimming pools with details of retaining walls, raft slab, underwater lighting system, scum gutter, inlet & outlet details, spring boarddiving details, filtration plant, notes on washing of swimming pools.

1.	Elements of structure by Morgan
2.	Steel Structure by Krishna Raju
3.	Building Construction by Punmia
4.	Building Construction by Bindra Arora
5.	Building Construction by Sushil Kumar
6.	Structure in Architecture by Salvadori
7.	Building construction by Mckay W. B., Vol. 1 to 4
8.	Construction of Building by Barry, Vol. I to V
9.	Construction Technology by Chudley R. Vol. I to IV
10.	Building Construction Illustrated – Ching Francis D.K.
11.	Elementary Building Construction by Michell

BA21053S: Working Drawing - I

Course Information:

Sem.	Code	Course	L	S	T/w	СТ	Cr	ΤM	CA 1	MSE	CA2	ESE-Pap	ESE-SV/STW
V	BA21053S	Working Drawing - I	1	2	3	STW	3	150	30	0	30	0	90

Learning Objectives:

After successful completion of this course, student should be able to: Understand importance of making detailed working drawings/shop drawings for carrying out work of construction. Importance of Precision, comprehensive information and detailed drawings required to furnished for cost estimating as well as execution of work.

Detailed Syllabus:

1.	Understanding purpose of making Working drawing and details. Importance of 2D – orthographic projection drawings. Understanding Construction details, Sequence of construction. Drawing Conventions, precision / accuracy, scales for overall drawings and details. To be simple and easily read / understood by contractors, workmen and possibly illiterate
	labor also. Importance of incorporating complete information like Measurements, Dimensions, Material, other
	annotation of information etc. Dimension styles and conventions. Getting acquainted with terminology like centerline, section planes, centerline plan, setting out, different schedules etc. Printing to scale and size of sheets of paper.
2	Making a complete set of Working drawing and details of a simple load bearing walls type structure (A design project of
2.	previous semester). All sequential / stage wise plans, sections, elevations, large scale details. Details of Internal & external Water supply & Sanitation layouts including sewage disposal, etc. Electrical layouts showing all details.

1.	Elements of structure by Morgan
2.	Structure in Architecture by Salvadori
3.	Building construction by Mckay W. B., Vol. 1 to 4
4.	Construction of Building by Barry, Vol. I to V
5.	Construction Technology by Chudley R. Vol. I to IV
6.	Building Construction Illustrated – Ching Francis D.K.
7.	Elementary Building Construction by Michell

BA21054T: Culture & Built Form-V

Course Information:

Sem.	Code	Course	L	S	Т	СТ	Cr	TM	CA 1	MSE	CA2	ESE-Pap	ESE-SV/STW
V	BA21054T	Culture & Built Form-V	2	0	2	TH	2	100	10	20	10	60	0

Learning Objectives:

After successful completion of this course, student should be able to:

Identify architectural and structural systems based on categorization of materials and technology developed, geographical, Contextual, social and cultural and political history of the place

Detailed Syllabus:

1.	•	Baroque & Rococo : Introduction to society and culture, Explorations in Form, Light and shadow and dramatic intensity. Original style in Italy: Versions all around, Curved facades and Ornate decorations, Plan typology. Early, High, Late baroque and Culmination in Rococo. Works of Bernini, Francesco Borromini, and Pietro da Cortana, Mannerist Ideologies. Classical Baroque – France, Works of Louis Le Vau, Jules Hardouin, Charles Lebrun and Andre Le Notre
	•	Ottoman Rule : Political factors of Central Asia, Armenia and Persia, Architectural Outputs: Kulleye, Hamman, Hana, Turbe, Masjid, Imaret. Comparisons of Urban and Rural kulliye, Understanding typical Ottoman Mosque, Domes and Cupola, Shehezade and Suleymaniye Mosque: Contributions of Mimar Sinan
	•	Mughal Rule & its Political Impact: Humayun to Akbar: synthesis of Hindu Muslim culture Evolution of Architecture during Mughal time in form of palaces and gardens. Rule of Babur and Humayun and their contribution to architecture, prominent example. Planning of Agra – and Delhi, Study of: Mughal Forts, Tomb Profile. Architectural Elements, and Landscape
	•	Imperial Mughal Dynasty: Akbar to Aurangzeb: Reign of Akbar, Jahangir, Shahajahan and their contribution- Study of Forts, Palaces, Mosques and Moghul Gardens, Refinement in Art and Craft, Important buildings to understand Mughal Style
2.	•	Maratha Empire: Social & Political scenario: Overview of Maratha Dynasty from Shivaji- Peshwa Rule. Typology of Marathi architecture: Civil, Religious and Military. Hill Fort mechanism, and function, Sea Fort, Concept of Garhi, Settlement Planning strategies, road networking, Wada typology, Maratha Column order, Step Wells, Samadhi's, Ghats and Temple Style: Idealistic and Revivalist
	•	Transition from Baroque Rococo: Neoclassicism: Effects of Industrial revolution – Movements: Classification of Baroque: Florid, Classical and restrained, Shift from Catholicist society to Protestant, Study of repetition, Form Sculptural Dignity and ornamentation, The 4 revolutions: Industrial, Artistic, Social and Political. Effects of it on construction technology and architectural Design-Early movements such as Industrial romanticism, eclecticism, Arts and Crafts, Development of 'New Art & Architecture' Art Nouveau, Rise of the Avant- grade
	•	Colonial Architecture: Indo Sarcenic, Indo Gothic, Indo French: cantonments, bungalows etc.: Transformation of Indian architecture during colonial period – influences and effects, Colonialism and its impact on India, Presidencies of Bombay, Madras, Calcutta, Delhi, Portuguese Colonies of Goa, Franco-Tamil Houses, Works of British architects in pre- independence. Planning of New Delhi
	•	INDO-Sarcenic (Neo-classical+Gothic Revival): Onion (Bulbous domes), Overhanging Eaves, Types of Arches, Vaulted roof, Arcades, Domed Kiosks, Miniature Domes, Towers, Open Pavilions. Master Architects and their works: Robert Fellowes, Charles Mant, Henry Irwin, Frederick Stevens, William Emerson. Climatic and Cultural Influences, Study of Heritage Precinct's and eminent Buildings of Precedencies

1.	Spiro Kostof "History of Architecture"
2.	Global History of Architecture – Franchis d.k Ching
3.	The Puzzle of Architecture by Robui Boyd.
4.	Modern Architecture by Kenneth Frampton
5.	Architecture & independence by John T. Lans, Madhavi Desai Miki Desai
6.	The story of Architecture by Patrick Nuttgens.

BA21055T: Theory of Structure - V

Course Information:

Sem.	Code	Course	L	S	Т	СТ	Cr	ТМ	CA 1	MSE	CA2	ESE-Pap	ESE-SV/STW
V	BA21055T	Theory of Structure - V	2	0	2	TH	2	100	10	20	10	60	0

Learning Objectives:

After successful completion of this course, student should be able to: Understand Course emphasis on understanding of section design in R.C.C. and its implication on design of structures

Detailed Syllabus:

1.	 PRESTRESSING: Definitions, Principles of Pre stressing ,Pre stressing and post tensioning, Materials of Pre stressing, systems of pre stressing , applications and uses - stresses of pre stressed concrete members , Approximate design of pre stressed concrete members. SHELLS STRUCTURES: Definition and various forms and classification of shells Advantages and disadvantages, Study of Preformed shells, cylindrical shells. Hyperbolic and paraboloids, free forms of shells.
2.	 PREFABRICATION: Definitions, Principles of Prefabrications, Applications – Prefabrication system for buildings. CABLE STRUCTURES: Cable stayed – cable suspended structures, simply curved suspended roofs, combination of roofs and struts. The students are encouraged to do case study of advance structural forms and make a presentation.

1.	Elements of Structures – Morgan.
2.	Structure in Architecture – Salvadon and Heller.
3.	Engineering mechanics by A. K. Tayal
4.	Mechanics of structure Vol. I By Junnarkar.
5.	Design of steel structures-Vazirani – Rathwani.
6.	Design of steel structures- L.S. Negi.
7.	R.C.C. Design – Khurmi, Punmia, Sushilkumar.
8.	Strength of Materials by Amol Dongre.
9.	Engineering Mechanics - F.L. Singer, Harper Collins publications.

BA21056T: Building Services - III

Course Information:

Sem.	Code	Course	L	S	T/w	СТ	Cr	ТМ	CA 1	MSE	CA2	ESE-Pap	ESE-SV/STW
V	BA21056T	Building Services - III	2	0	2	TH	2	100	10	20	10	60	0

Learning Objectives:

After successful completion of this course, student should be able to:	
Understand Environmental control systems – Artificial Ventilation.	

Detailed Syllabus:

1.	•	Basic theory – Terminology – Heat, Temperature, Humidity, Relative humidity, heat exchange, heat flow -
		Conduction, Convection, Radiation, sensible (Specific heat) and insensible (Latent heat) Heat, Conductivity of
		materials, "K" value, "U" value, transmittance. Human - Physical comfort-Freshness of Air & Air change,
		Temperature, Humidity, outdoors and indoors, heat flow within buildings, steady state conditions and periodic
		flow, thermal performance of building elements, sun protection of buildings. Natural Ventilation, Wind and stack
		effects, evaporative cooling. Concept of Heat Exchange- Heating / cooling loads. Artificial Ventilation. Forced
		ventilation system, Types of fans and blowers, mounting, sizes and calculation of fans Unit.
	•	Air-conditioning system, Principles of air-conditioning system, Components of air-conditioning system, Air-
		conditioning system, Types of conventional systems of air-conditioning, Non-conventional systems of air-
		conditioning. Air conditioning Ventilation Equipment & systems presently used, their working, installation
		requirements and demands in building layout, supply air, return air ducting systems, their layouts and
		requirements within building systems, co-ordination to building systems.
2.	•	Air-conditioning systems their layouts of ductwork and requirements within building systems, co-ordination to
		building systems.
	•	Mechanical Services in a building. Vertical & horizontal transportation systems like Lifts, escalators, dumb waiters,
		conveyor paths. Determining the demand, carrying capacity, travel time, co-ordination, space requirements &
		installation of such equipment. Layouts of lift banks, Escalators etc. in a building.

1.	National Building Code 2016
2.	Mechanical and Electrical Equipment for Buildings by Walter T. Grondzik, Alison G. Kwok, Benjamin Stein
3.	Building Construction by Rangwala.
4.	Basic Refrigeration and Air Conditioning by A. Ananthanarayana

BA21057S: Landscape Design-I

Course Information:

Sem.	Code	Course	L	S	T/w	СТ	Cr	ТМ	CA 1	MSE	CA2	ESE-Pap	ESE-SV/STW
V	BA21057S	Landscape Design-I	1	2	3	STW	3	150	30	0	30	0	90

Learning Objectives:

After successful completion of this course, student should be able to:

Make students aware of architecture beyond buildings, in the outdoor environment and spaces, and the role and importance of landscaping and site planning in enhancing and improving the quality of building environs, functionally and aesthetically.

Detailed Syllabus:

1.	 Introduction to Landscape Architecture, definitions, importance, need and scope. Levels of landscape planning and design. Landscape architecture and ecology. Relationship between landscaping and environmental planning, regional planning, urban planning, urban design, architecture and interior design. Historical development of landscape architecture. Origins of gardens. Design Principles, salient features and elements of various gardens in history – like Egyptian, Persian, Spanish, Italian, French, English, American, Japanese, Moghul Indian etc. Changed scenario for modern garden designs. Different factors and components of a landscape. Social and economic factors. Psychological considerations of spaces and enclosures. Brief idea about manmade components like walls, fences, entrances, gates, barriers, screens, planters, roads & pathways, street furniture, signage, services-electrical, water supply and drainage. Basic natural
2.	 components - land, trees, water and climate. Different aspects of land as a landscape element - soils, geology, topography, earth forms, levels, foundations, grading, drainage, paved and unpaved surfaces. The importance and use of the aspects as a landscape design element. Various forms 'of water elements in a landscape - fountains, waterfalls, pools, cascades, channels irrigation etc. Importance and use of water as a landscape design element. Construction of various water elements. Different aspects of trees, shrubs, climbers, hedges, lawns as landscape elements. Basic horticultural idea about plants, plant selection, planting design and care of plants. Importance and use of the aspects as a landscape design element.

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1.	Appleton. (1996). The Experience of Landscape. Wiley.
2.	Geoffrey, and Jellico, S. (1987). The Landscape of Man. Thames and Hudson.
3.	Holl, G. P. (2006). Questions of Perception Phenomenon logy of Architecture. Richmond
4.	Laurie. (1986). An Introduction to Landscape Architecture. Elsevier.
5.	Lynch, K. (1962). Site Planning. Cambridge: The MIT Press.
6.	Reid, G. (2002). Landscape Graphics. New York: Watson-Guptill.
7.	Simonds, J. O. (2006). Landscape Architecture: A Manual of Land Planning and Design.

BA21058T: Sociology

Course Information:

Sem.	Code	Course	L	S	T/w	СТ	Cr	TM	CA 1	MSE	CA2	ESE-Pap	ESE-SV/STW
V	BA21058T	Sociology	2	0	2	TH	2	100	10	20	10	60	0

Learning Objectives:

After successful completion of this course, student should be able to:
Understand relationship between sociology, social systems and built environment.

Detailed Syllabus:

1.	•	Introduction to Sociology, an overview of Urban Sociology. Social institutions - Introduction to the concept of family, community, association, religion, etc. Study of culture, Culture and Society – interrelationships. Social interactions, groups, communication, leadership. Social process - Co -operation, Conflict, Competition, Accommodation, Assimilation, progress and evolution. Socialization, Social change, Population, demographic transition - planned and unplanned Urbanization Process, World urbanization, Indian and different states
2.	•	Urbanization pattern and social change due to urbanization, Growth of slums and squatter settlements, migration pattern, population structure in slums, Concept of personal Integration, Consolidation index to compare slums at varying age, effect of industrialization and technological advancement on Society. Urban living - Crime and city size. Urban revitalization. Social policy and social planning community planning, urban crime, Effect of living in high rise building on children - Meaning of urban space. Effect on social planning on spatial planning.

1.	The Sociology of Architecture: Constructing Identities by Paul Jones
2.	Cities and urbanization (Viewpoints in sociology) by T Richard Geruson
3.	Urban Renewal in India: Theory, Initiatives and Spatial Planning Strategies by S K Kulshrestha

BA21059S: Electives – V (A) Appropriate Building Technologies

ANY ONE OF THE ELECTIVES (A) or (B)

Course Information:

Sem.	Code	Course	L	S	Т	СТ	Cr	ТМ	CA 1	MSE	CA2	ESE-Pap	ESE-SV/STW
V	BA21059S	Electives – V (A) Appropriate Building	2	0	2	STW	2	100	20	0	20	0	60
	(A)	Technologies											

Learning Objectives:

After successful completion of this course, student should be able to: Understand the Appropriate building techniques other than conventional ones with relation to economic and environmental outcomes.

Detailed Syllabus:

1.	Introduction Types of Appropriate building techniques like, Earth, Flyash, Bamboo, Thatch, Ferro-cement, etc. Advantages of Appropriate building techniques over conventional methods. Alternative methods of construction related to different materials and their comparison. Upgradation, modification and revision of various methods of construction.
2.	Appropriate technologies as evolved from contexts through the practice of Indian and International Architects. Systems and techniques developed in Research labs. Cost Reduction Techniques – Planning aspects. Prefabricated building components.
2.	Earth: Components of earth: gravel, sand, silt and clay. Characteristics, advantages and disadvantages, needs and usage of various methods of construction like walling, flooring and roofing techniques. Composite materials made from earth like rammed earth, compressed stabilized earth blocks, stacked earth, sun dried clay bricks, and steam cured blocks, Wattle and Daub. Filler slab, Jack arch roof.
3.	Bamboo: Characteristics, advantages and disadvantages, needs and usage of various methods of construction like walling, flooring and roofing techniques. Preservation of bamboo, bamboo tiles, shingles, bamboo joints.
4.	Recycled Waste Materials: Types of waste used in construction. Benefits of using recycled waste materials. Materials made out from waste paper, wood, plastic bottles, plastic bags, earthen materials, steel, aluminum, copper, bricks, gypsum, straw, and wool etc, Techniques of using these materials in building construction.

1.	Lewis Davidson Gotlieb, Environment and design in housing, The Mc.Millan Corp, New York
2.	Housing and building in hot-humid and hot dry climate
3.	Low-cost housing in developing countries/ Mathur,
4.	A.G MadhavaRao and D.S Ramachandra Murthy : Appropriate Technologies for Low cost housing.

BA21059S: Electives – V (B) Architectural Journalism

ANY ONE OF THE ELECTIVES (A) or (B)

Course Information:

Sem.	Code	Course	L	S	Т	СТ	Cr	TM	CA 1	MSE	CA2	ESE-Pap	ESE-SV/STW
V	BA21059S	Electives – V (B) Architectural	2	0	2	STW	2	100	20	0	20	0	60
	(B)	Journalism											

Learning Objectives:

After successful completion of this course, student should be able to: Get an overview of journalism and reporting in the field of Design and Interior Design in particular.

Detailed Syllabus:

1.	Writing descriptive and analytical reports of visits to sites, identifying the design theme, Case studies and class
	exercises.
	Interviewing techniques, Photo journalism, Editing write ups, Editorial policies. Case studies and class exercises.
2.	An overview of Structure of Design journals and overall content and distribution of the content in journals. Page
	compositions, The printing process. Case studies and class exercises.
	Electronic media and e-journals, various techniques used in e-presentations. Case studies and class exercises,

1.	Exploration of Architectural Journalism in India by Pappal Suneja
2.	Challenges to the Epistemology of Journalism: The Architecture of the Contemporary Mediascape
3.	Architectural Voices of India: A Blend of Contemporary and Traditional Ethos Book by Apurva Bose Dutta

THIRD YEAR B. ARCH. - SEMESTER 6

BA21061S: Architectural Design - V

Course Information:

Sem.	Code	Course	L	S	T/w	СТ	Cr	ТМ	CA 1	MSE	CA2	ESE-Pap	ESE-SV/STW
VI	BA21061S	Architectural Design - V	0	10	10	SV	10	500	100	0	100	0	300

Course Pre-requisite:

A Student will be able to attempt this course only if he / she has completed (attended the course; submitted the work) of **"BA21051S Architectural Design - IV"** course / subject of semester V - Third year Architecture, AND has secured passing grade in **"BA21041S Architectural Design - III"** course / subject of semester IV - Second year Architecture

Learning Objectives:

After successful completion of this course, student should be able to:

To explore Idea of mass housing which strictly prevailing a model of apartment typology. It should explore new design styles and design issues discussed globally.

Mass Housing - Climate, interdependency, Density -

footprints, built and unbuilt relation, and understanding. Theory of mass housing and issues of policies related.

Detailed Syllabus:

1	Issues of Identity, Scale, Public spaces, Context, Grouping of buildings, Infrastructure for community formation etc. Site analysis with respect to surrounding environment, tradition, culture. Climatic considerations. Study of Contours.						
2	Related Case Studies & defining guidelines in various contexts. Formatting design brief.						
3	Conceptual explorations of character and selected style.						
4	Urban neighborhoods, traditional and present day composition, structure, density, building use, built and unbuilt, building controls, urban infrastructure and services Considering structural solutions & materials for complex Architectural spaces. Considering use of mechanical vertical transport.						
5	Finalization of Design Proposal. Highlighting the character of building as regards to style.						
Studio E Institute	Studio Exercises suggested: Design of Complex function spaces preferably related to Housing complexes as decided by the Institute. Major Project based on above Modules with creative presentation of drawings & models						

1.	Ching, Francis D.K.; Architecture Form, Space and Order.
2.	C.M. Deasy -Design for Human Affairs.
3.	Rudofsky, Bernard; Architecture without Architects.
4.	Rasmussen, Steen Eiler; Experiencing Architecture
5.	Paul Lassau – Graphic Thinking for Architects and Planners.
6.	Peter Pearce, Structure in Nature – Strategy for Design.
7.	Peter Streens, Patterns in Nature.
8.	Anthony Antoniadis - Poetics in Architecture: Theory of design
9.	Am heim Rudolf, Visual Thinking.
10.	Jonathan A. Hale - Building Ideas. An introduction to Architectural Theory.
11.	William J.J. Synectics: The Development of Creative Capacity
12.	Elvadine R. Seligmanann : Reaching Students through Synectics: A Creative solution
13.	Jyoce, Bruce and Weil Marsha .Synetics Involving creative thought

BA21062S: Building Construction and Technology - VI

Course Information:

Sem.	Code	Course	L	S	Т	СТ	Cr	TM	CA 1	MSE	CA2	ESE-Pap	ESE-SV/STW
VI	BA21062S	Building Construction Technology -VI	0	4	4	SV	4	200	40	0	40	0	120

Learning Objectives:

After successful completion of this course, student should be able to: Understand materials used in construction, principles of construction, building systems. Issues related to Remodeling,

Repairs, and Temporary structures. Issues related to coordination between the detailing and execution on site.

Detailed Syllabus:

1.	Building repairs & remodeling: Temporary supports like formwork, strutting, scaffolding, and shoring. Procedure of carrying out repairs, construction details for building services. Additions and alterations to existing Residential, Commercial, Industrial buildings.
2.	Issues of clear coordination in construction to relate between the design and construction, causes for failures in performance. Case studies to illustrate coordination and cases of failure.
3.	Construction details of a balcony slab in an auditorium/ cinema theatre, raker beam details & RCC slab details (showing general reinforcement), longitudinal section of an auditorium.
4	Advanced construction techniques: Retaining structures and various practices in their construction. Advanced construction techniques: Construction of manufactured systems for curtain walls, skylights. Advanced Machinery in construction.

1.	Elements of structure by Morgan
2.	Building Construction by Punmia
3.	Building Construction by Bindra, Arora
4.	Building Construction by Sushil Kumar
5.	Structure in Architecture by Salvadori
6.	Building construction by Mckay W. B., Vol. 1 to 4
7.	Construction of Building by Barry, Vol. I to V
8.	Construction Technology by Chudley R. Vol. I to IV
9.	Building Construction Illustrated – Ching Francis D.K.
10.	Elementary Building Construction by Michell

BA21063S: Working Drawing - II

Course Information:

Sem.	Code	Course	L	St	Tot	Туре	Cr	ΤM	CA 1	MSE	CA2	ESE-Pap	ESE-SV/STW
VI	BA21063S	Working Drawing - II	1	2	3	STW	3	150	30	0	30	0	90

Learning Objectives:

After successful completion of this course, student should be able to: Understand importance of making detailed working drawings/shop drawings for carrying out work of construction. Importance of Precision, comprehensive information and detailed drawings required to furnished for cost estimating as well as execution of work.

Detailed Syllabus:

1.	Understanding purpose of making Working drawing and details. Importance of 2D – orthographic projection drawings. Understanding Construction details, Sequence of construction. Drawing Conventions, precision / accuracy, scales for overall drawings and details. To be simple and easily read / understood by contractors, workmen and possibly illiterate labor also. Importance of incorporating complete information like Measurements, Dimensions, Material, other annotation of information etc. Dimension styles and conventions. Getting acquainted with terminology like centerline, section planes, centerline plan, setting out, different schedules etc. Printing to scale and size of sheets of paper.
2.	Making a complete set of Working drawing and details of an R.C.C. frame type structure (A design project of previous semester). All sequential / stage wise plans, sections, elevations, large scale details. Details of Internal & external Water supply & sanitation layouts including sewage disposal, etc. Electrical layouts, Air conditioning ductwork layout showing all details.
3.	Making a Building Permission drawing (Municipal drawing) for submission to Authorities, of Architectural Design project of previous semester.

1.	Elements of structure by Morgan
2.	Structure in Architecture by Salvadori
3.	Building construction by Mckay W. B., Vol. 1 to 4
4.	Construction of Building by Barry, Vol. I to V
5.	Construction Technology by Chudley R. Vol. I to IV
6.	Building Construction Illustrated – Ching Francis D.K.
7.	Elementary Building Construction by Michell

BA21064T: Culture & Built Form-VI (Contemporary Architecture)

Course Information:

Sem.	Code	Course	L	S	Т	СТ	Cr	TM	CA 1	MSE	CA2	ESE-Pap	ESE-SV/STW	
VI	BA21064T	Culture & Built Form-VI	2	0	2	TH	2	100	10	20	10	60	0	
		(Contemporary Architecture)		-					_	-	_		-	
Lear	earning Objectives:													
Afte	After successful completion of this course, student should be able to:													
Ide	Identify architectural and structural systems based on categorization of materials and technology developed. geographical.													
Con	textual. so	cial and cultural and political history of	fth	e pla	ce		iace			101057	acreio	ped) 8ee	Brapineal)	
		······································		- 1										
Deta	iled Syllab	ous:												
1.	• A	rt Nouveau, Art and Crafts, Industrial	Ro	man	ticism	, eclect	icisr	n, Woi	ks of A	rchitec	ts: Gu	stav Eiffe	el: Birth of	
	Ai	rt Nouvueau – New Style, Maison de l'	Art	, ear	ly ver	sion of l	Мос	lern Ar	chitect	ure, Pu	blic-Co	nsumer		
	re	relationship, impetus to Art and Crafts, scope in all art forms, Features: Asymmetry, curve, free flowing, organic												
	fo	forms, stained glass, motifs, advent of Steel and Henry Labrouste -Great Exhibitions of 1851 and 1889 and their												
	CC	contributions. Pioneers of these movements - Joseph Paxton, Gustav Eiffel, Anguste Perret, Tony Garnier,												
	A	Antonio Gaudi, Victor Horta, Hector Guimard and their Creations Modernism: Introduction to modernism. Social Cultural and Political scenario. W/W/L Parallel Movements:												
	• IVI Su	Modernism: Introduction to modernism, Social Cultural and Political scenario, WWI, Parallel Movements:												
	or	on Architecture. Design Principles by Masters: Adolf Mever. Frank Llvod Wright. Walter Gropius. Ludwig Mies												
	Va	Van der Rohe. Schools of Art and Architecture. Corbusier's – Purism, Bauhaus												
	• A	Art Deco and International Style: Post world- war Political and Social Scenario, Works of Henry Russel and												
	Pł	Philip Johnson, Architectural characteristics: rectilinear forms, Planer surfaces, Minimalistic exterior, no-												
	or	namentation, Philosophy of Less is Mo	ore	: Spr	ead a	nd Deve	elop	ment o	of Interr	nationa	l style	under Le	Corbusier,	
	Lo	ouis-I- Kahn, I M Pei, Lucio Costa				• -						_		
	• Po	ost Modernism: The age of enlightme	nt,	New	age o	f Reaso	ning	g and, i	deologi	es of p	rogres	s. Oppos	ition to	
		odernist ideologies: Form Follows Fur	ICTI	on, le	ESS IS	Nore, II	nsid	e –Out docign	side, ar		iguity	in Archit	ecture.	
		aracteristics of Post-Modernism. Modern	unc Arc	hitor	turo	, Ampin Farly h	igh	and Lat	process	s, KIIIZU av and	semar	ntics in A	iu rchitecture	
	M	asters works: Robert venture Michae	L Gi	raves	Cha	rles Mo	ore	Philin	Iohnsoi	ax anu n lame	selliai	ling Pete	ar	
	Ei	senman, John Heiduk, and terry Farrel		aves	, chu		010,	1 mip	5011150	n, same		iiiig, i ett	-1	
2.	• A	chitecture 1970 Onwards - Structura	lisn	n, M	etabo	lism, Bı	ruta	lism W	orks of	Norma	an Fost	ter etc: E	Brutalism,	
	St	ructuralism, Metabolism, Formation c	of C	IAM,	Туро	logy of	Buil	dings-L	ow and	l High F	Rise, Sp	oatial cor	nfigurations	
	in	Architecture, Surrealism & Constructi	vis	m- G	lass S	teel (Ru	ssia	n), Wo	rks of V	'ladimir	[.] Tatlin	. Metabo	olism:	
	Pi	oneering Architects: Kiyonori Kikutake	е, К	enzo	Tang	e, Noria	ıki "I	Kisho"	Kuroka	wa, Ma	isato C)taka, Fu	mihiko	
	M	aki. Kenzo Tange: Tokyo Plan. Brutalis	m:	Insp	iratio	n from L	.e Co	orbusie	er, exter	nsive w	ork: A	lison and	Peter	
	Sr	nithson					_							
	• Pl	nilosophies of India Architects - Social	hi:	story	post	-Indepe	ende	ence: Ir	idian Ar	rchitect	ure sir	nce Indep	pendence.	
	W	orks of some master architects from t	he	post	-inde	penden	ce p	eriod li	ike Dr. I	3.V. Do	shi, A.	P. Kanvir	ide, Charles	
		orrea, Raj Rewal, Anant Raje, J.A. Stein	1, A	. Kan	vinde	. Impac	τοτ	Chand	igarn pi	anning	on inc	lian Arch	itecture.	
		gionalism & Critical Regionalism: Reg		nn n Salici	iuia m in li	adia any	4 00	itcida li	ndia W	orks ar			f Konnoth	
	Fr	amptom Charles Correa Hassan Fath	v L	Alvar.	n Siza	Geoffe	a Ou arv P	Rawa A	lvar Alt	o Tada	an And	lo Willia	m Curtis	
	R	anheal Moneo, Baesm Badran	y,,	(ival)	0 0120	, deone		, awa, r		.0, 1000		io, v iina	in curus,	
	• D	e-Constructivism – Works of Architec	ts:	Char	acteri	zed bv i	dea	s of fra	gmenta	ation. a	n inter	est in m	anipulating	
	id	eas of a structure surface or skin, non	-re	ctilin	ear sh	apes w	hich	serve	to disto	ort and	disloca	ate some	of the	
	el	ements of architecture such as structu	ıre	and	envel	ope. Wo	orks	of Fran	nk O – 0	Gehry, I	Daniel	Libelskin	id, Rem	
	Ко	oolas, Zaha Hadid								-				
	• La	te 20th –Century Supertall Towers: N	/lec	hani	sm of	Super 1	Fall S	Structu	res, Pla	nning,	Floorp	late sche	ematics,	
	In	tervention of development control an	d r	egula	ations	, Climat	olog	gical fa	ctors ar	nd Load	ling, Tr	end in fa	içade	
	de	esigning of High rise, detailed study of	со	ntem	pora	y High ı	rises	5						

Recommended Reading:

1. Architecture for the Poor – Hassan Fathy

2.	Architecture in India- Electa Moniteur
3.	A concise History of modern architecture in India – Jon Lang
4.	Delhi and its neighbourhood
5.	Indian canvas - Rerendered
6.	Details of modern Architecture – Edword. R Ford
7.	Building 300 years of design, engineering & Construction – Adam Addas
8.	Ballard B and Rank V.P "Material for Architectural Design " Lawrence King 2006
9.	Frampton K " Modern Architecture - A Critical History" 3rd edition Thames & Hudson 2002
10.	Gossel P and Lenthauser G. "Architecture in the 20th century" vol 1 & 2 Taschen

BA21065S: Human Settlement Planning

Course Information:

Sem.	Code	Course	L	S	T/w	СТ	Cr	ТМ	CA 1	MSE	CA2	ESE-Pap	ESE-SV/STW
VI	BA21065S	Human Settlement Planning	2	0	2	STW	2	100	20	0	20	0	60

Learning Objectives:

After successful completion of this course, student should be able to:

To initiate thinking towards interface between architecture, landscape architecture and urban planning. To sensitize the students about the concept of public realm, understanding of the city as a three dimensional entity and perception of spaces at multiple scales. Familiarize students with the implementation processes through various statutory and non-statutory guidelines.

Detailed Syllabus:

1.	• •	Brief introduction to human settlements as expression of civilizations. Introduction and Scope Relationship between Architecture. Brief review of the evolution of the urban design as a discipline. Basic principles and theories. Broad understanding of urban forms and spaces at various spatial scales through examples from historic cities.
2.	•	Urban Design and Sustainability - Sustainability concept, Relationship of urban design with economic, environmental and social sustainability. Urban renewal and urban sprawl. Concepts of Transit Oriented Development, Compact City, Healthy City and Walkable City. Urban Design Implementation Urban design and its control Types of planning instruments, structure plans, master plans and local area plans and zoning guidelines Design communication and role of public participation.

1.	Larice, M. and Macdonald, E. Ed. (2013). The Urban Design Reader. 2nd Ed. The Routledge Urban Reader Series, Abingdon, Oxon: Routledge.
2.	Carmona, M., Heath, T., Oc, T. and Tiesdell, S. (2010). Public Places Urban Spaces. Oxford: Architectural Press.
3.	Marshall, S. (2009). Cities design and evolution. New York: Routledge.
4.	Lang, J. T. (2005). Urban Design: A Typology of Procedures and Products. Oxford: Elsevier/Architectural Press.
5.	Moughtin, C., Cuesta, R., Sarris, C. and Signoretta, P. (2003). Urban Design - Methods and Techniques. Oxford: Architectural Press.
6.	Watson, D., Plattus, A. and Shibley, R. (2003). Time-Saver standards for urban design. New York: McGraw Hill.

BA21066T: Building Services - IV

Course Information:

Sem.	Code	Course	L	S	T/w	СТ	Cr	TM	CA 1	MSE	CA2	ESE-Pap	ESE-SV/STW
VI	BA21066T	Building Services - IV	2	0	2	TH	2	100	10	20	10	60	0

Learning Objectives:

After successful completion of this course, student should be able to:
Understand Environmental control systems - Building Acoustics, Noise control, Fire safety & Hazard management

Detailed Syllabus:

1.	Building Acoustics. Sound- Basic theory, Physics of sound, human perception, various units of measurer sound. Behavior of sound in enclosed & open field- Travel, reflection, refraction, reverberation, attenuation or Design for good hearing conditions- Calculations for actual reverberation time, coefficients of absorption theory, correction & acoustical Treatment for desired conditions. Construction details	ment of f sound. on, Sabine's
2.	Noise control - behavior of sound for noise control, measure & designing for correction. Construction d of practice like NRC, etc. Fire safety & hazard management: Causes of occurrence spread of fire. Concept & understanding of Fin system for various materials & spaces. Warning systems, Fire extinguishers. Study of fire regulations, sp for fire prevention & control. Fire escapes, Fire doors, fire staircase – lifts etc. Means of escape.	letails, codes re rating pace planning

1.	Leslie, Doelle. Environmental Acoustics. McGraw Hill.1972
2.	Kundsen, V.O. & Harris, C.M. Acoustical designing in Architecture
3.	Egan, M. David. Architectural Acoustics. McGraw-Hill
4.	Mehta, Madan, Johnson, J., Rocafort, J. Architectural Principles and Design
5.	National Building Code of India

BA21067S: Landscape Design-II

Course Information:

Sem.	Code	Course	L	S	Т	СТ	Cr	ΤM	CA 1	MSE	CA2	ESE-Pap	ESE-SV/STW
VI	BA21067S	Landscape Design-II	1	2	3	STW	3	150	30	0	30	0	90

Learning Objectives:

After successful completion of this course, student should be able to:

To introduce the students to the discipline of Landscape architecture & its relevance to Architecture. To gain an insight into the changing relationship of human with nature, to develop the understanding of site and site planning. To develop the skill of integrated design of open and built spaces.

Detailed Syllabus:

- Meaning and experience of a landscape, Aesthetics and Imagery of a landscape. Relationship of humans and nature. How landscapes relate to land, nature, environment and place. How the scales & conception of landscapes evolve over time, Sense of place in the landscape.
 - Site survey and appraisal, Site Inventory checklist Topography, vegetation, soil, hydrology, climate etc. Principles of site planning, Design issues in site planning and siting of buildings. Integrating the built and open spaces.
- Macro and micro-climatic considerations in landscape architecture. Effect of climate on landscape and various components of landscape on the micro climate. Relationship between climate and landscape and architecture.
- 2. Study and detailing of hard and soft landscape Hardscape Materials used in civil component. Softscape Trees, Shrubs, Ground cover, Indoor plants, Creepers. Importance and use of these elements in designed Landscape.
 - Functional requirement of landscape design as per Residential, Commercial, Industrial occupancy and relationship with user group.
 - Introduction to services related to Landscape like: Plumbing, electrical, Sewage, management, Irrigation
 - Introduction to Landscaping of City level Parks, plazas, squares, Stadiums / Playgrounds, Roof Garden, Vertical Garden, Avenue / Roadside Plantation, Indoor Landscape, Landscape on wastelands

1.	Appleton. (1996). The Experience of Landscape. Wiley.
2.	Geoffrey, and Jellico, S. (1987). The Landscape of Man. Thames and Hudson.
3.	Holl, G. P. (2006). Questions of Perception Phenomenon logy of Architecture. Richmond :
4.	Laurie. (1986). An Introduction to Landscape Architecture. Elsevier.
5.	Lynch, K. (1962). Site Planning. Cambridge: The MIT Press.
6.	Reid, G. (2002). Landscape Graphics. New York: Watson-Guptill.
7.	Simonds, J. O. (2006). Landscape Architecture: A Manual of Land Planning and Design.

BA21068S: Electives – VI (A) Architectural Design in Steel

ANY ONE OF THE ELECTIVES (A) or (B)

Course Information:

Sem.	Code	Course	L	S	Т	СТ	Cr	ТМ	CA 1	MSE	CA2	ESE-Pap	ESE-SV/STW
VI	BA21068S	Electives – VI (A) Architectural Design in Steel	2	0	2	STW	2	100	20	0	20	0	60
	(A)												

Learning Objectives:

After successful completion of this course, student should be able to: Understand building design using steel, design issues relevant to key stages of the design process, particularly at the concept design stage. Understand structural benefits of steel.

Detailed Syllabus:

1.	Introduction, History, Examples of Projects, Advantages - ability to create architecturally interesting or long-span solutions combined with savings in the construction programme and its light weight leading to reduced loading on foundations.
2.	Definition of the physical features of the building using steel as main material; its viability, Functional requirements of the space, shape, height, Architectural or other key visual features, planning grid, External appearance in relation to the cladding options.
3.	Factors that influence design decisions with reference to typology and function, Commercial viability, efficient use of space and Architectural importance of the project in relation to the use of expressive structural solutions.
4.	Introduction to stages from design consideration to completion, with reference to Modelling, analysis, fabrication and procurement.

1.	Steel Structures, Hasan Al Nageim
2.	Design of Steel Structures, Dr. P. Dayaratnam
3.	Steel Design by William Segeui
4.	Structure as Architecture, Andrew Charleson
5.	Design of Steel Structures, S. Duggal
6.	Architecturally Exposed Structural Steel, Terri Meyer Boake.

BA21068S: Electives – VI (B) Contemporary Processes in Architecture

ANY ONE OF THE ELECTIVES (A) or (B)

Course Information:

Sem.	Code	Course	L	S	Т	СТ	Cr	ТМ	CA 1	MSE	CA2	ESE-Pap	ESE-SV/STW
VI	BA21068S	Electives – VI (B) Contemporary Processes	2	0	2	STW	2	100	20	0	20	0	60
	(B)	in Architecture											

Learning Objectives:

After successful completion of this course, student should be able to:

Understand impact of science and technology on modern day architecture. Understanding integration of computer aided design, fabrication and construction. Eliminating geometric constraints imposed by traditional drawing process. Understanding various aspects of Digital architecture and facilitation of abstract ideas.

Detailed Syllabus:

1.	•	Works of contemporary architects who have illustrated the influence of the digital media in evolving architecture. Theories of media and its influence on the perception of space – Virtual Reality – Augmented Reality.
2.	•	Introduction to Digital architecture involving computationally based processes of form origination and transformation. Introduction to computational concepts like Topological architecture, Isomorphic architecture, Animate architecture, Metamorphic architecture, Parametric architecture and Evolutionary architecture

1.	Contemporary Architecture and the Digital Design Process By Peter Szalapaj
2.	Architecture, technology and process by Chris Abel
3.	Architecture and Computers: Action and Reaction in the Digital Design Revolution By James Steele

BA21069S: Electives – VII (A) Graphic & Product Design

ANY ONE OF THE ELECTIVES (A) or (B)

Course Information:

Sem.	Code	Course	L	S	T/w	СТ	Cr	ТМ	CA 1	MSE	CA2	ESE-Pap	ESE-SV/STW
VI	BA21069S	Electives – VI (B) Graphic & Product	2	0	2	STW	2	100	20	0	20	0	60
	(A)	Design											

Learning Objectives:

After successful completion of this course, student should be able to:

Read, understand and demonstrate in the language of graphic design. Basic understanding about Product and Industrial design process.

Detailed Syllabus:

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1	. •	Introduction, History & Future of Graphic Design
	•	Development of aesthetic sensibility towards design. Elements and principles of design.
	•	Use of Technology, softwares for Graphic design.
2	. •	Introduction to product design, design by evolution & design by innovation, essential factors, morphology of design, primary design phases and flow charting
	•	Standardization, industrial design organisation, role of aesthetics in product design, functional design practice; strength, stiffeners and rigidity considerations in product design
	•	Primary, machining & non-traditional machining processes, manufacturing requirements in design of machine components, design for forging, pressed components, casting & machining, designing with plastics, rubber, ceramics & wood
	•	Use of Computers for Form generation; Creativity techniques; product detailing and manufacture; exploratory mockup models for concept development

1.	Stuart Trolley, Min: The New Simplicity in Graphic Design, 1960
2.	John Krull, Graphis Design Annual, 2017
3.	Timothy Samara, Making and Breaking the Grid, Second Edition, Updated and Expanded: A Graphic Design Layout Workshop
4.	Chitale & Gupta, Product Design & Manufacturing, PHI, 3rd edition
5.	Ulrich & Epinger, Product Design And Development
6.	M. Baxter, Product Design - Practical Methods for the Systematic Development of New Products, Chapman & Hall, 1995
7.	N. F. M. Roozenburg, J. Eekels, Product Design, Fundamentals and Methods, Willey Publications

BA21069S: Electives – VII (B) Vernacular Architecture

ANY ONE OF THE ELECTIVES (A) or (B)

Course Information:

Sem.	Code	Course	L	S	T/w	СТ	Cr	ТМ	CA 1	MSE	CA2	ESE-Pap	ESE-SV/STW
VI	BA21069S	Electives – VI (B) Vernacular Architecture	2	0	2	STW	2	100	20	0	20	0	60
	(B)												

Learning Objectives:

After successful completion of this course, student should be able to:

Develop an understanding of architecture, including settlements, landscapes and buildings as a cultural product shaped by various factors.

Highlight the role of Vernacular Architecture & lessons useful in contemporary context · Connect the aspect of climate responsiveness and environment suitability of vernacular architecture to the ongoing design studio.

Detailed Syllabus:

1.	•	Introduction to Vernacular- Definitions; Relevance; Role & scope of Vernacular Architecture;
	•	Brief overview of the varied learnings from vernacular including Sense of Place, Spontaneity & variation,
		Control, Open Ended form Relationship, Symbols & Meanings.
	•	Case studies: Study of vernacular architecture outside India specifically in varied climatic zones.
2.	•	Study of vernacular and traditional architecture of India.
	•	Study of examples like Courtyard wadas of Maharashtra, Nalukettu houses, Toda huts , Bhunga houses, Havelis
		of Rajasthan, Kath Khuni houses of Himalayan region, Pols of Ahmedabad etc.

1.	Architecture without architects- Bernard Rudofsky
2.	Encyclopedia of vernacular architecture of the world- Paul Oliver
3.	The living house: an anthropology of architecture in South east Asia- Rexana Waterson
4.	Mud architecture of Indian Desert- Kulbhushan Jain
5.	Pattern books create an American Architecture- Janet Foster
6.	Himalayan Traditional Architecture- Omacanda Handa
7.	Himalayan Cities: Settlement Patterns, Public Places and Architecture – Pratyush Shankar
8.	Havelis: A Living Tradition of Rajasthan - Shikha Jain
9.	Tribal Architecture in India- Dr.O.P.J oshi
10.	Wooden Architecture of Kerala- Miki Desai
11.	Tribal Architecture in Northeast India- Rene Kolkman, Stuart Blackburn
12.	Maratheshahi Vastushilpa – Madhukar. S . Mate
13.	Temples, Wadas, and Institutions of Pune: A Legacy and Symbolism in Architecture G.K. Kanhere
14.	Courtyard Wada of Maharashtra- Rupa RajeGupta
15.	Maratha Architecture- Madhukar. S . Mate
16.	Haveli: Wooden Houses and Mansions of Gujarat- V.S.Pramar
17.	Traditional buildings of India- Ilay Cooper
18.	Invitation to Vernacular Architecture: A Guide to the Study of Ordinary Buildings and Landscapes- Thomas Carter &
	Elizabeth Cromley.
19.	House, Form & Culture- Amos Rappoport
20.	VISTARA – The architecture of India- Carmen Kagal.
21.	Built to meet needs. Cultural issues in vernacular architecture- Oliver Paul.