



### MAPPING OF COURSE OUTCOMES WITH PROGRAM OUTCOMES (POs)

S.No	Course Code	Course Name	CO.No	CO Description	PO									
					1	2	3	4	5	6	7	8	9	10
1	25AR1101	THEORY OF ARCHITECTURE	CO1	Understand architecture and basics on space and form development.	2									
			CO2	Understand components of building circulation and its relation to architecture.	2									
			CO3	Understand Architectural aesthetics in designing a building & also understand the key role of principles applied in architecture.	2									
			CO4	Apply functioning of design process and its application in architectural buildings through case studies.		2								
2	25AR1102	HISTORY OF ARCHITECTURE - I	CO1	Understand Primitive Architecture and Ancient settlements in pre-Historic times and get knowledge on the Ancient River valley civilizations in the world.			2							
			CO2	Understand the Architecture and Planning of Ancient River Valley Civilizations			2							
			CO3	Understand the Culture and its influence on Architecture in Ancient Greece and Ancient Rome and its impact on Western Architecture			2							
			CO4	Understand the Built forms in Ancient Greece and Ancient Roman Empire and its monumental Urban Architecture			2							



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3	25AR1151	ARCHITECTURAL DRAWING - I	CO1	Understand the fundamentals of drawing and drafting, including construction and development of surfaces for various basic 3D shapes, as well as the representation of various building components and related elements.				2								
			CO2	Comprehend the representation of a building in plan, elevation, and sections, and be able to prepare simple measure drawings.				2								
4	25AR1152	MODEL MAKING WORKSHOP	CO1	Understand cutting and sticking for making a model, Components of detailed model, Representing hills, Plateau, water bodies, furniture's, Cars	2											
			CO2	Understand different materials and apply the acquired knowledge and create a model Independently by choosing appropriate material and techniques.	2											
5	25AR1153	ARCHITECTURAL DESIGN STUDIO - I	CO1	Understanding of the qualities of different elements as well as their composite fusions. An ability to engage and combine the elements of design in spontaneous as well as intentional ways to create desired qualities and effects	2											
			CO2	Development of required skills – observation / analysis / abstractions / interpretation / representations / expressions through models and drawings. Understanding of 3D Composition by involving students in a number of exercises which will help generation of a form from a two dimensional / abstract idea.	2	2										
6	24UC1103	LANGUAGE SKILLS	CO1	Understand the essential listening, speaking, and reading skills												2
			CO2	Apply and produce essential writing and non-verbal communication skills												2



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7	25AR1203	DESIGN OF STRUCTURES - I	CO1	Understand about the architecture and structural engineering interface. Understanding the concept of forces and structural systems.				2						
			CO2	Understand the plane trusses				2						
			CO3	Apply the techniques of shear force and bending moments in column				2						
			CO4	Apply centre of gravity and moments of inertia and its impact on the structures.				2						
8	25AR1204	HISTORY OF ARCHITECTURE - II	CO1	Understand Vedic culture and study the origins of Early Hinduism, Jainism, Buddhism, and its rudimentary forms of construction.			2							
			CO2	Understand Hindu forms of worship, concept, symbolism and to get knowledge on the metaphysical plan of Temple Architecture.			2							
			CO3	Understand and to get knowledge on the temple architecture and temple towns during various periods and empires in South India and North India.			2							
			CO4	Understand and to know the character and Architecture of temples of South India and North India in detail.			2							
9	25AR1254	ARCHITECTURAL DRAWING - II	CO1	Understand the concepts and Scientific Methods of Perspective Drawing and apply Rendering Techniques, principles of Shade & Shadow and Construct sociography of Architectural Structures				2						
			CO2	Understand identification and measuring of specific Architectural Details of Historically significant, Buildings and the presentation techniques of drawings				2						



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10	25AR1255	BUILDING MATERIALS AND CONSTRUCTION - I	CO1	Understand the material stones, bricks and Soil: Types, Properties, Challenges. Bricks: Compositions, Classifications, Alternative Bricks Stone: Stone classifications, tests, uses, preservations, Artificial stones. Concrete: Masonry	3												
			CO2	Apply the knowledge about the techniques of masonry and draft the types of Stone masonry, brick masonry, and Concrete block masonry. Different masonry Walls, Foundations, Lintels and Arches. To understand the basic building components of the building i.e.: Foundation to parapet wall. To study the elements of the building and their importance, to understand the sequences of construction & structural system.					2								
11	25AR1256	ARCHITECTURAL DESIGN STUDIO -II	CO1	Apply anthropometric data, conduct desktop/case study and understand collected data towards framing parameters for House design and Cafeteria Design Cafeteria Design	3	2											
			CO2	Create Architectural Details for floated design exercise floated as per the semester complexity, Buildings and the presentation techniques of drawings		2	2										
12	25AR2105	DESIGN OF STRUCTURES - II	CO1	Understanding the concept of simple stresses and strains and elastic properties of solids					2								
			CO2	Analyze the properties of structural timber and bamboo					2								
			CO3	Analyze the Design of flexure members of timber and design of simple truss.					2								
			CO4	Understand Structural properties of brick masonry and analysis					2								
13	25AR2106	CLIMATE RESPONSIVE ARCHITECTURE	CO1	Understanding of elements of climate, human comfort, and human body heat balance						2							
			CO2	Understanding the concept of heat transfer in buildings, sun path diagrams and designing shading devices						2							



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			CO3	Understanding air movement for designing buildings accordingly.						2				
			CO4	Understanding climate responsive architecture through case studies.						2				
			CO1	Understanding the evolution of early Christian and Medieval periods its Architecture and socio-political changes			2							
			CO2	Understanding Renaissance and Mannerist Architectures and their practices in Europe, growth of nations and styles of Baroque and Rococo			2							
			CO3	Understanding the Islamic principle's philosophy & its relevance to various built forms and the influence of Islamic architecture on Indian subcontinent Architecture of various provinces under sultanate rule			2							
			CO4	Understanding of Architectural developments during Mughal Dynasty Study of cross culture influence and evolution of secular architecture in princely states			2							
14	25AR2107	HISTORY OF ARCHITECTURE- III												
			CO1	Understand the materials and its joinery: Timber, Bamboo. Understand the techniques, types of construction of wooden doors, windows, roofing. Understand Cement and Concrete: Types, properties, tests, and applications in Doors, Windows, Roofing Understand Ferrous and Non-ferrous materials (Steel): Types, properties, Applications in Doors, Windows, Roofing,					3					
			CO2	Apply the knowledge and draft the details of wooden & steel trusses, RCC roofs, brick roofs, door and windows, wooden, RCC and Steel Roofs trusses as per construction industry/practice. Formwork, Shoring and Scaffolding: types and application					3					
15	25AR2157	BUILDING MATERIALS AND CONSTRUCTION - II												



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16	25AR2158	ARCHITECTURAL DESIGN STUDIO -III	CO1	Applying methods to understand and analyze the use, spaces, and concepts of residential activities, as well as applying methods to understand and analyze the spaces, connectivity, and standards of institution buildings.	2	3												
			CO2	Create projects with design typologies such as Foundation School/Pre School/Public Health Care Centre/Restaurant/Museum/Library, labelled as Project 1 and Project 2.				2										
17	25AR2185	COMPUTER STUDIO - I (MS OFFICE, AUTOCAD 3D)	CO1	Understand the basics of computer system and their supporting technologies like MS Office.				2										
			CO2	Apply the learned skills in preparation of documentation reports, analysis reports, and audio-visual presentations.				2										
18	24UC2105	COMMUNICATION SKILLS	CO1	To Understand the essential career skills, including resume writing, interview techniques							2							
			CO2	Apply a comprehensive understanding of essential team skills, preparing them for successful collaboration and contribution in professional team environments.							2							
19	25AR2208	DESIGN OF STRUCTURES - III	CO1	Understanding of Basics of RCC design				2										
			CO2	Understanding and designing of columns				2										
			CO3	Understanding and designing of footings and staircases				2										
			CO4	Understanding and analysis a given section for under or over design carrying capacity				2										
20	25AR2209	BUILDING SERVICES - I	CO1	Understanding the processes involved in the distribution, treatment, and disposal of wastewater.				2										
			CO2	Understanding the building sanitation method and different types of plumbing systems.				2										
			CO3	Understanding the plumbing and sanitary layouts of a residence.				2										



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			CO4	Understanding the use and installation of various plumbing fixtures and sewerage systems for sanitary conveyance.				2									
21	25AR2210	CONTEMPORARY INDIAN ARCHITECTURE	CO1	Understand the Architecture and Planning of various Cities during Medieval Age.			2										
			CO2	Understand the Culture and Built Forms in Pre – Independence (Colonial Rule) and Post-Independence of India.			2										
			CO3	Understand the Theories of current Architect practices and their applicability in meeting present day Needs.			2										
			CO4	Examine the influence of socio-political, cultural, and economic factors on contemporary Indian architecture.			2										
22	25AR2211	HUMAN SETTLEMENTS AND PLANNING	CO1	Understand the various elements of Human Settlements and the classification of Human Settlements.		2											
			CO2	Understand familiarize the students with Planning concepts and process in Urban and Regional Planning.			2										
			CO3	Understand the changing dynamics of Urban Form and it's planning according to urban transformation												2	
			CO4	Understand the interrelationship between Human Settlements structure and Social Dynamics.												2	
23	25AR2259	BUILDING MATERIALS AND CONSTRUCTION - III	CO1	Understand the Floor Finishes, Roofing techniques like Vaults, domes and Different slab techniques like one way slab, two-way slab, waffle, Bubble deck slab etc. Staircase components and types. Damp proof material and plastering				2									



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			CO2	Apply concrete, wooden, stone, tile, etc. for flooring. vault, dome, waffle, bubble deck, hollow core slabs, filler slab, etc. for roofing. wooden, metal, RCC, etc. for staircase types.					3					
24	25AR2286	SITE SURVEY AND ANALYSIS	CO1	Understanding Surveying using Chain and Compass. Understanding Surveying using Dumpy Level and Theodolite.					2					
			CO2	Applying survey practices in field using Chain, Compass, Dumpy Level, Theodolite, Total Station and Alidade					2					
25	25AR2260	ARCHITECTURAL DESIGN STUDIO -IV	CO1	Analyze the anthropometry, circulation patterns, standards of various facilities	2	3								
			CO2	Create the Design after the analysis of the rural planning, infrastructure, and settlement planning of a village (rural settlement) as per the needs of the settlement as Project 1. Propose a design depending on the village documentation and survey that is functionally, good community oriented and open spaces – Project 2					2					2
26	25AR2287	COMPUTER STUDIO - II	CO1	Understand and learn to use of image editing software, graphics and animation software's.				3						
			CO2	Apply the tools of sketch up or equivalent software to create a detailed 3D model by working in collaboration by application of advanced tools				3						
27	25AR3112	CONTEMPORARY WESTERN ARCHITECTURE	CO1	Understand Cubism & Constructivism along with various Building styles of Early Modern Architects.			2							
			CO2	Understand Post Modernism and International Style along with Ideas and Works of Various Architects of that time					2					





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			CO3	Understand Critical Regionalism and other alternative practices. along with Ideas and Works of Various Architects of that time.				2							
			CO4	Understand Deconstructivism along with Forms, Ideas and Concepts followed by Various Architects in their works			2								
28	25AR3113	DESIGN OF STRUCTURES - IV	CO1	Understanding of limit state design.				2							
			CO2	Apply the techniques and Design of reinforcement for a section.				2							
			CO3	Apply the Design detailing, and the purpose of one-way and two-way slabs.				2							
			CO4	Apply the detailing for special structures such as deep beams, corbels, and shear. walls etc.				2							
29	25AR3114	BUILDING SERVICES - II	CO1	Understanding the planning techniques and study of electricity, installations, wiring, and principles of distribution and safety.				2							
			CO2	Understanding the application of artificial illumination and lighting design for various spaces				2							
			CO3	Understanding the knowledge of ventilation principles.						2					
			CO4	Applying the properties of sound and architectural acoustics, applicability of acoustic concepts and design, and learning how to create acoustics and analyze the integration of all three services in architectural planning.				2							
30	25AR3161	SITE PLANNING AND LANDSCAPE STUDIO	CO1	Understand the elements, principles, and types of landscapes applicable to different architectural contexts.									2		
			CO2	Analyze site characteristics and apply technical knowledge including tree species selection and landscape specifications.										2	



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			CO3	Apply site planning methods for organizing built and open spaces efficiently and aesthetically.							2			
			CO4	Develop site and landscape design proposals through drawings, models, and documentation integrating ecological and functional requirements.									2	
	25AR3162	BUILDING MATERIAL AND CONSTRUCTION - IV	CO1	Understanding Plastics, Glass, Aluminium, Gypsum Board, Fibre Board, particle Board as a building material: types, properties, use, principles and methods of construction. Markey Survey of the material types.				3						
31			CO2	Apply the knowledge: Glass and Metal cladding of facades and building envelopes, Skylights: Fixing and fabrication details. Walls: Sandwich panel walls, PUF panels etc Partitions, False Ceiling and False Floorings: Types and Construction techniques, Construction details as per industry standards.					2					
	25AR3163	ARCHITECTURAL DESIGN STUDIO -V	CO1	Analyse the use, the spaces and the concepts of different homes for the disabled. To understand and analyze the spaces, connectivity, and the standards of Institution buildings	2	2								
32			CO2	Design a Social oriented building. A Home for physically and mentally challenged- Project 1 To design an institution-oriented building, School of Architecture, Design Institutions. Project 2 Old age Home, orphan age, School for disabled, Campus Design, theme-based hotels, shopping mall, Resort etc.		2		3						
	25AR3188	COMPUTER STUDIO - III	CO1	Understand interface, workspace, and utilization of tools of 3D modeling software applies the required tools and components in building a 3D model. To create documentation reports, analysis reports, and audiovisual presentations.				3						
33														



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			CO2	Understand, visualize the space and apply the tools of BIM software, identify the need of tools of BIM software. To create a detailed 3D model by working in collaboration by application of advanced tools				3									
34	25AR3215	BUILDING SERVICES - III	CO1	Understanding the Thermal Properties of the building material and components and mechanical ventilation				2									
			CO2	Understanding the principles, systems, and design criteria of HVAC.				2									
			CO3	Understanding the techniques and concepts in fire safety norms in the buildings.				2									
			CO4	Apply the techniques of mechanical transportation systems in building plans				2									
35	25AR3216	SPECIFICATION, ESTIMATION AND COSTING	CO1	Understanding of data required and methods of estimation	2												
			CO2	Applying various methods, estimate different quantities.			2										
			CO3	Understanding of the types of estimates and costing			2										
			CO4	Understanding various specifications and terminology used.										2			
36	25AR3217A	SPATIAL DESIGN	CO1	Understand the theoretical and perceptual foundations of spatial design.										2			
			CO2	Analyze spatial qualities and organization in architectural and urban contexts.							2						



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			CO3	Apply basic principles of spatial design such as hierarchy, rhythm, sequence, and proportion.							2			
			CO4	Develop conceptual and physical models to explore spatial relationships.							2			
			CO1	Understand and define key terminologies, materials, and basic concepts related to passive design, active systems, daylighting, and natural ventilation in sustainable architecture.						2				
			CO2	Comprehend and apply the GRIHA rating system criteria for evaluating and designing green buildings in the Indian context.								2	2	
			CO3	Analyze and compare IGBC and LEED rating systems, and apply their principles to sustainable building projects.								2		
			CO4	Demonstrate the ability to use energy simulation software (eQuest) for evaluating building performance and prepare a technical report based on global case studies.							2			
37	25AR3217B	GREEN BUILDING RATING SYSTEMS												
			CO1	Understand the importance of Building codes in different zones and learning about the terminologies			2							
			CO2	Understand the different norms from National Building Code of India					2					
			CO3	Understand the basic need of building bye laws of local region and to learn the terminology. To be introduced to Energy Conservation				2						
			CO4	Fundamentals of real estate, Real Estate Markets and Trends				2						
38	25AR3218	BUILDING BYE LAWS AND REAL ESTATE												



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39	25AR3264A	INTERIOR DESIGN STUDIO	CO1	Apply and demonstrate proficiency in conceptualizing and executing interior design projects, integrating principles of spatial planning, aesthetics, and functionality effectively.	2		2								
			CO2	Analyze advanced skills in utilizing digital tools and software to create comprehensive interior design presentations, fostering creativity and professionalism in their design solutions	2				3						
40	25AR3264B	MODULAR CONSTRUCTION STUDIO	CO1	Applying methods to develop an understanding of space design at the local level. Additionally, applying techniques to integrate various knowledge systems to formulate a design proposal of a practical scale, along with implementing the process used for the same.						3					
			CO2	Creating opportunities for students to comprehend the area, scale, design, and implementation factors involved in Modular construction. Additionally, create projects for students to incorporate Modular construction, with a mandatory requirement for conducting case studies and documentation of Modular Construction.										2	
41	25AR3265	ARCHITECTURAL DESIGN STUDIO -VI	CO1	Analyse the challenges of designing functionally complicated buildings and having a complex array of activities and services, integration of structural design and specialized building services in the framework of architectural design	2	2									
			CO2	Design A Functionally Complex Building (Medium Rise Structure Example Hospital, Juvenile Correction Centre, Research and Development Centre), Project 2 Design A Shopping Mall or Students Hostel or Travellers Hostel, Conventional Center, 5-star hotel Etc.		2			3						
42	25AR4119	URBAN DESIGN	CO1	Understand Urban Design terminologies											2
			CO2	Understand Users and Activities in a city										2	



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			CO3	Understand public spaces, streets & Transport														2
			CO4	Understand Application of Urban Design														2
43	25AR4120	HOUSING	CO1	Understand housing and Housing issues	2													
			CO2	Understand Housing, 5-year plans specific to housing	2													
			CO3	Understand Critical Sources of Finance				2										
			CO4	Understand Planning – Physical, Administration, Socio-Cultural, Sustainable, Financial, Future forecasts, and trends					2									
44	25AR4121A	APPROPRIATE CONSTRUCTION TECHNOLOGIES	CO1	Understanding the alternative building materials, applying cost. effective materials and techniques to resolve environmental problems.		2												
			CO2	Understanding the indigenous construction materials and techniques for building resilience and disaster mitigation		2												
			CO3	Understanding the materials and techniques for energy efficient building construction				2										
			CO4	Applying Building Information Modelling in modern construction industry								2						
45	25AR4121B	SUSTAINABLE CITIES AND COMMUNITIES	CO1	Understand and explain the key concepts of sustainability, resource depletion, and climate change in the context of cities and communities.							2							
			CO2	Understand sustainable site selection, development principles, and the role of green materials and technologies in shaping sustainable urban environments.								2						
			CO3	Understand low-impact construction methods, biomimicry concepts, and various dimensions (environmental, social, economic, cultural) of sustainability in communities.									2					



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			CO4	Understand recent global trends such as Transit-Oriented Development (TOD), Livable Cities, Healthy Cities, Happy Cities, and recognize sustainable practices through case studies of eco-cities and communities.						2							
46	25AR4122A	ARCHITECTURAL CONSERVATION	CO1	Understand about the basics of Conservation in India				2									
			CO2	Understand the Conservation Practices			2										
			CO3	Understand the importance & analysis of Urban Conservation			2										
			CO4	Discuss about Conservation planning & Adaptive Conservation.				2									
47	25AR4122B	VERNACULAR ARCHITECTURE	CO1	Understand the Vernacular Architecture, its Approaches & Concepts.				2									
			CO2	Understand the Vernacular styles of Buildings in Western, Northern & North-Eastern India.						2							
			CO3	Understand the Vernacular Architectural Styles of Southern India.			2										
			CO4	Understand the Influence of Western world on Vernacular Architecture.			2										
48	25AR4166	WORKING DRAWING - I	CO1	Applying teaching methods, instruct students in preparing detailed working drawings for effective execution at construction sites and impart knowledge of the essential components of working drawings, notations, and drawing standards.				2									
			CO2	Applying methods of transmittals and record-keeping, integrate services drawings and detail various types of drawings. Apply the latest materials knowledge with specifications for updates.				2									



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49	25AR4189A	ENVIRONEMENTAL LAB	CO1	Understand and evaluate climatic parameters (temperature, humidity, wind, solar radiation) and their implications for design. Conduct site analysis for environmental suitability, including sun path, wind flow, and shading studies.						2				
			CO2	Use tools and techniques for assessing daylight, thermal comfort, and natural ventilation in architectural spaces. Apply principles of passive design through model testing and simulation tools.						2				
50	25AR4189B	REVIT - BIM	CO1	Explain the fundamentals of Building Information Modeling (BIM) and its significance in modern architectural practice. Navigate and use the Revit software interface tailored for architectural workflows. Develop basic to intermediate architectural models including walls, doors, windows, floors, roofs, and other components. Create construction documents including plans, sections, elevations, and schedules directly from the BIM model.					2					





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			CO2	Use Revit's annotation and detailing tools to produce clear and professional architectural drawings. Understand and apply principles of collaboration and coordination within BIM environments. Produce visual presentations and renderings of architectural models for design communication. Manage and export Revit projects effectively for academic submissions and professional use.				2						
51	25AR4167	ARCHITECTURAL DESIGN STUDIO - VII	CO1	Application of the integration of services, sustainable building and anthropometry, circulation patterns.				2	2					



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			CO2	Create and design spatial planning and functionality in Low. Rise. High Density Project. Project 1. To analyze the spaces, connectivity, and the standards of sustainable and service intensive building. Case study. To create design of a sustainable service integrated intelligent. Green building in High Rise (Project 2)					2	3						
52	25AR4223	BUILDING CONSTRUCTION MANAGEMENT	CO1	Understand the Objectives and Methods of project Management System								2				
			CO2	Understand various Tools and Techniques to facilitate efficient management of Projects								2				
			CO3	Understand Project cost model and steps involved in cost optimization								2				
			CO4	Applying Scientific Evaluation Techniques to Manage Project Durations and resources with Examples								2				
53	25AR4224A	TRANSPORTATION PLANNING	CO1	Understand Basic elements and various category of vehicles depending upon the category of Roads exiting		2										
			CO2	Understanding Various types of Circulation & Users along with their infrastructural needs.		2										
			CO3	Understanding Road Safety & Civic Sense		2										
			CO4	Understanding Traffic & Transportation byelaws & Regulation		2										
54	25AR4224B	DISASTER MITIGATION AND MANAGEMENT	CO1	Understand the necessity for disaster management and measures that are to be followed.					2							
			CO2	Understand the disaster preparedness and Involving Design Considerations for buildings					2							
			CO3	Understand the study of design considerations for disaster management and precautions.							2					
			CO4	Understand the Relief & Rehabilitation for Disasters							2					



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55	25AR4224C	VASTHU VIDYA	CO1	Understand the historical and philosophical foundations of Vastu Vidya in the context of Indian architectural traditions.			2												
			CO2	Interpret Vastu Purusha Mandala and its application in spatial planning and orientation.													2		
			CO3	Analyze architectural layouts based on Vastu principles and assess their influence on form, function, and energy flow.													2		
			CO4	Analyze architectural layouts based on Vastu principles and assess their influence on form, function, and energy flow.													2		
56	25AR4268A	DISSERTATION	CO1	Understand research skills by formulating a well-defined research question, conducting in-depth literature reviews, and presenting original findings in a structured academic format													2		
			CO2	Analyzing the theoretical frameworks and empirical evidence to produce a coherent argument, contributing new insights to their field of study.													2		
57	25AR4268B	THESIS SEMINAR	CO1	Identify, explore and research topics of their interest; then describe by the organized presentations.													2		
			CO2	Apply the ideas in finding a new solution to the existing problem and interpret via applying the architectural systems		2													



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58	25AR4269	WORKING DRAWING - II	CO1	Applying teaching methods, instruct students in preparing detailed working drawings for effective execution at construction sites and impart knowledge of the essential components of working drawings, notations, and drawing standards.				2								
			CO2	Applying methods of transmittals and record-keeping, integrate services drawings and detail various types of drawings. Apply the latest materials knowledge with specifications for updates.								2				
59	25AR4270	URBAN DESIGN STUDIO	CO1	Analyse the role of Services at higher scale in Urban level and apply the integration of services into intelligent sustainable building case study case study		3		3								
			CO2	Create High Density Urban facility as a solution to the Urban area problems, Current issues. (Project-1) Analyze the spaces, Transformation according lifestyle changes in Urban population, connectivity, and the standards of sustainable and service intensive building. Case study. Create design of a sustainable service integrated intelligent green building High Density Project. (Project 2)					2						2	
60	25AR5171	PRACTICAL TRAINING / INTERNSHIP	CO1	Understand the preparation of professional architectural portfolio and resume. Apply Academic architectural skills in various projects while working in office										3		
			CO2	Evaluate attributes of project, based on discussions with Chief Architect and clients. Site supervision during execution and coordination with the agencies involved in the construction process.											2	
61	25AR5225	ARCHITECTURE PROFESSIONAL PRACTICE	CO1	Expose students to the daily realities of an architectural practice through the Training								2				
			CO2	Facilitate an understanding of the evolution of an architectural project from design to execution.								2				



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			CO3	Enable an orientation that would include the process of development of conceptual ideas, presentation skills.								2		
			CO4	Involvement in office discussions, client meetings, development of the concepts into working drawings, tendering procedure.									2	
62	23FL3054	OPEN ELECTIVE -1 FOREIGN LANGUAGE (FRENCH)	CO1	Acquire a working knowledge of the basic elements of the French language viz. letters, vowels, accents, articles, useful expressions, etc.							2			
			CO2	Classify questions and respond in the affirmative or negative with ?tre and avoir and form plurals	2									
			CO3	Utilize and apply the adjectives and essential verbs.							2			
			CO4	Construct and use in speech, vocabulary, reading, questions and answers							2			
63	23FL3055	OPEN ELECTIVE -1 FOREIGN LANGUAGE (GERMAN)	CO1	Classify their understanding of greeting wishes, alphabets and numbers learning. To understand the greetings in formal and informal way							2			
			CO2	Apply their knowledge of essential daily expressions, present, past and future tense. Conjugating the verbs in the Singular and Plural groups, Past participle tense and the futertense and relations with the verbs	2									
			CO3	Utilize their understanding with suitable prepositions, questions, and possessive pronouns, and the importance of four German cases. Prepositions in Akkusativ and Dativ							2			
			CO4	Develop their knowledge about how to move in public places, such as shopping centres, restaurants, tourist places, etc, and preparation of them for German A1 level examination.									2	
64	23FL3058	OPEN ELECTIVE -1 FOREIGN	CO1	Classify Hiragana, Katakana, and basic Kanji characters used in greetings and simple scripts							2			



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		LANGUAGE (JAPANESE)	CO2	Apply their knowledge of essential daily expressions, numbers, months, dates, time, body parts, colors, and common vocabulary to effectively communicate in basic everyday situations	2										
			CO3	Utilize their understanding of present, past, and future tenses, along with the ability to construct interrogative sentences, to express themselves in various timeframes and ask questions effectively in different conversational contexts. pen_spark							2				
			CO4	Develop their knowledge of verbs, including negative conjugations, and prepositions to discuss hobbies, deliver self-introductions, and navigate basic interview scenarios in Japanese										2	
65	25AR5272	ARCHITECTURAL THESIS	CO1	Applying the Architectural Thesis, Writing Synopsis, Studies Related to Project. Literature study in relation to literatures, Desktop Studies, Case studies.	2	3									
			CO2	Create a design from the Site Study, Application of Data & Information Collected regarding project topic, Preliminary Drawings production. Creation of final Viable drawings & Building Services, Physical & Virtual Model and Report making.				3	2						

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**Program Articulation Matrix (Mapping of Courses with POs)**

S.No	Course Code	Course Name	Category	L	T	P	S	Cr	PO										PSO	
									1	2	3	4	5	6	7	8	9	10	1	2
1	22AR1101	Theory Of Architecture	PCC	3	0	0	0	3		2		2							1	
2	22AR1102	History Of Architecture - I (Ancient Civilization)	PCC	3	0	0	0	3			2	2		2				2		1
3	24AR1152	Architectural Drawing - I (Basic Geometry)	PCC	0	0	3	0	3	2		2	2	2						1	
4	24UC1103	Language Skills	HAS	0	0	4	0	2	2						2	2				
5	24AR1153	Architectural Design Studio - I	PRI(PC)	0	0	9	0	9	1		2		2		2					1
6	24AR1154	Model Making Workshop	PCC	0	0	4	0	4		2				2	2	2				1
7	22UC0009	Ecology & Environment	BSAE	2	0	0	0	2						1				1		
8	24UC1203	Design Thinking And Innovation	HAS	2	0	2	0	3			2				2		2	2		
9	23AR1204	Design Of Structures - I (Plane Trusses, Shear Force And Bending Moments)	BSAE	3	0	0	0	3	2		2								1	2
10	22AR1205	History Of Architecture - II(Hindu Architecture)	PCC	3	0	0	0	3		2	2	2								1

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11	24AR2155	Architectural Drawing – II (3d Forms And Colour)	PCC	0	0	3	0	3							2	2		2		1
12	23AR1256	Architectural Design Studio -II	PRI (PC)	0	0	9	0	9		2		1					2			2
13	24AR1258	Building Materials And Construction - I (Masonry)	BSAE	0	0	4	0	4						2		2	2	2		2
14	24UC1205	Communication Skills	HAS	0	0	4	0	2						2	1	2	2			
15	23AR2107	Design Of Structures - II (Design Of Beams And Columns)	BSAE	3	0	0	0	3	2		2								1	1
16	22AR2109	Climate Responsive Architecture	BSAE	3	0	0	0	3	2		2	2	2							2
17	23AR2110	Site Survey And Analysis	SEC	0	0	0	3	3				2				2		2		2
18	22AR2108	History Of Architecture- III( Medieval Architecture)	PCC	3	0	0	0	3		2	2		2							1
19	24AR2157	Computer Studio - I (Ms Office, Autocad 3d)	SEC	0	0	0	3	3							2	2			1	2
20	24AR2160	Building Material And Construction - II (Joinery, Trusses, Roofs, Formwork)	BSAE	0	0	4	0	4						2		2	2	2		2
21	23AR2159	Architectural Design Studio -III	PRI (PC)	0	0	9	0	9		2		1						2		2



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22	23AR2211	Design Of Structures – III (Design Of Footings)	BSAE	3	0	0	0	3	3		3							1	1
23	22AR2211	Building Services - I (Plumbing And Sanitation)	BSAE	3	0	0	0	3							1	2			1
24	24AR2263	Building Materials And Construction - III (Staircase, Flooring & Advanced Roofing)	BSAE	0	0	4	0	4				2		2	2	2	2		2
25	22AR2212	Site Analysis And Planning	PCC	2	0	0	0	2		2	2						2	2	2
26	23AR2261	Architectural Design Studio -IV	PRI (PC)	0	0	9	0	9		2		1					2	2	
27	23AR2214	Contemporary Architecture	PCC	3	0	0	0	3			2	2		2			2		1
28	23AR2262	Computer Studio - II (Image Making And 3d Making Software)	SEC	0	0	0	3	3	2	2				2				2	
29	23AR2223	Human Settlements And Planning	PCC	2	0	0	0	2		1	2						2		2
30	23AR3120A	PE 1 - Vernacular Architecture	PEC	3	0	0	0	3			2	2		2					2
	23AR3120B	PE 1 - Sustainable Architecture		3	0	0	0	3	2		2			2					2
31	23AR3115	Design Of Structures - IV (Detailing Of Structural Member)	BSAE	3	0	0	0	3		3	2								2

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32	23AR3116	Building Services - II (Electrical, And Acoustics)	BSAE	3	0	0	0	3	2		2					2			2
33	24AR3166	Building Materials And Construction - IV (Partitions, False Ceiling & False Flooring)	BSAE	0	0	4	0	4						2		2	2		1
34	24AR3117	Building By Laws And Office Management	PCC	2	0	0	0	2	2		2	2	2					2	
35	23AR3164	Architectural Design Studio -V	PRI (PC)	0	0	9	0	9		2		1		2					3
36	23AR3165	Computer Studio - III (Building Information Modelling)	SEC	0	0	4	0	4	2	2					2		2		2
37	23AR3221	Building Services - III (HVAC And Fire Safety)	BSAE	3	0	0	0	3	2		2				2	2			2
38	23AR3222	Specification, Estimation And Costing	PCC	3	0	0	0	3	1		2		2		2				
39	23AR3224A	PE 2 - Landscape Design Studio	PEC	0	0	4	0	4						2	2	2	2	2	
	23AR3224B	PE 2 - Modular Construction Studio		0	0	4	0	4						2	2	2	2		2
40	23AR3267	Architectural Design Studio -VI	PRI (PC)	0	0	12	0	12		2		1					2	2	
41	23AR3225A	PE 3 - Appropriate Construction Technologies	PEC	2	0	0	0	2		1	2			2					1

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	23AR3225B	PE 3 - Energy Efficient Buildings		2	0	0	0	2	2		2			2					2
42	23AR3229A	PE 4 - Architectural Conservation	PEC	3	0	0	0	3			2	2			2				2
	23AR3229B	PE 4 - Set Design		3	0	0	0	3			2	2					2		2
43	23AR4126	Building Services - IV (Building Automation)	BSAE	3	0	0	0	3						2					2
44	23AR4128A	Pe 5 - Housing	PEC	2	0	0	0	2	2		2	2	2		2				1
	23AR4128B	Pe 5 - Architecture Journalism and Photography		2	0	0	0	2	2						2			2	1
45	23AR4118A	Pe 6 - Interior Design Studio	PEC	0	0	4	0	4		1		1			2			2	2
	23AR4118B	Pe 6 - Furniture Design Studio		0	0	4	0	4	1	1	1	2	2						
46	23AR4168	Architectural Design Studio -VII	PRI (PC)	0	0	12	0	12		2		1					2	2	2
47	23AR4130	Working Drawing - I (Building Structure, Civil And Masonry)	BSAE	0	0	4	0	4	2					2	2	2			2
48	23AR4131	Research Methodology	PRI (PC)	2	0	0	0	2			2	2					2		2
49	22AR4232	Building Construction And Management	PAECC	3	0	0	0	3			1			2	1	2	2		2
50	23AR4269A	Pe 7 - Dissertation	PEC	0	0	4	0	4		2	2			2	2				2
	23AR4269B	Pe 7 - Thesis Seminar		0	0	4	0	4											
51	23AR4233A	Pe 8 - Urban Design	PEC	2	0	0	0	2		1		2					2	2	2
	23AR4233B	Pe 8 - Behavioral Architecture		2	0	0	0	2	1			2					2	2	2

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52	24AR4270	Urban Design Studio	PCC	0	0	12	0	12		1					2			2	2	2
53	23AR4234A	Pe 9 - Transportation Planning	PEC	3	0	0	0	3												
	23AR4234B	PE 9 - Disaster Mitigation And Management	PEC	3	0	0	0	3	2		2	2		2			2			2
54	23AR4271	Working Drawing - II (Detailing)	BSAE	0	0	4	0	4		2					2		2			2
55	23AR5172	Practical Training / Internship	PAECC	0	0	30	0	30			2		2			2	2			2
56	22AR5235	Architecture Professional Practice	PAECC	3	0	0	0	3					2	2		2	2			2
57	23AR5273	Architectural Thesis	PCC	0	0	15	0	15	2		2	2		2						2
58	23UC0026	Human Values, Gender equality and Professional Ethics	HAS	2	0	0	0	2					2							
59	23FL3054	French Language	OEC	3	0	0	0	3							2					
	23FL3055	German Language	OEC						2						2					2
	23FL3058	Japanese Language	OEC						2						2				2	