

DEPARTMENT OF ARCHITECTURE AND PLANNING

PROGRAMME: BACHELOR OF ARCHITECTURE

VISION OF THE DEPARTMENT

The vision of the School of Architecture and Planning (SAP) is to impart quality education and lifelong learning, fostering innovation, capacity building and scholarly enquiry in the field of architecture & allied subjects.

MISSION OF THE DEPARTMENT

- To deliver holistic education through critical thinking and analysis, experiential learning & hands-on-workshops that cultivates proficient professionals and equip with leadership qualities and domain expertise to spearhead innovative architectural, planning and allied projects.
- To forge strong industry-academia partnerships for collaborative research, development of appropriate innovative and creative technologies, environmentally conscious solutions & ignite an entrepreneurial mind-set.
- To provide ethical, professional, and quality education to students for sustainable and creative solutions to societal problems with a high sense of ethics and integrity.

PROGRAMME EDUCATIONAL OBJECTIVES:

PEO1:

Technical & Professional Excellence: Graduates of Bachelor of Architecture (B. Arch) Program will demonstrate technical competence & proficiency in applying fundamental theories and principles, analytical & problem-solving skills, innovative & creative approaches, and sustainable development solutions to address real world challenges in architecture & allied fields.

PEO2:

Leadership & Collaboration: Graduates will develop exceptional communication, teamwork, and leadership skills, enabling them to effectively manage projects and lead multidisciplinary teams. They will demonstrate adaptability in dynamic environments, ensuring successful collaboration with diverse stakeholders and the seamless execution of complex architectural projects.

PEO3:

Ethics, Integrity & Social responsibility: Graduates will uphold the highest standards of ethics and integrity in their professional practice, demonstrating a strong sense of social responsibility. They will be committed to creating architectural solutions that address societal needs, promote sustainable development, and enhance the well-being of communities, while maintaining a steadfast dedication to ethical principles and integrity in all aspects of their work

PROGRAM SPECIFIC OUTCOME (PSOs)

PSO1: At the end of the programme, the student will have the ability to be socially and environmentally sensitive and to work effectively in multi-disciplinary teams within the building industry with the ability to uphold and demonstrate ethical responsibilities and professional obligations in architecture.

PSO2: At the end of the programme, the student will have the ability to use appropriate technology for designing the built environment, and to think critically and assess existing environments. with the ability to assume professional roles in architecture by offering sound knowledge in design theories and applications, building technology, social, cultural, economic and environmental factors, and the application of interdisciplinary knowledge.

PSO3: At the end of the programme, the student will have the ability to demonstrate creative problem-solving skills while working with varied materials and medium with the ability to communicate the design concepts and solutions necessary for the built environment effectively.

PROGRAMME OUTCOMES:

PO1: Architectural Knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and engineering specialization to the solution of complex architectural designs.

PO2: Problem analysis: Identify and formulate research and analyse architectural problems to arrive at substantiated conclusions using principles of design, art and engineering sciences.

PO3: Design/Development of solutions: Design solutions for complex architectural design problems and design system components, processes to meet the specifications with consideration for the public health and safety and the cultural societal and environmental considerations.

PO4: Conduct investigations of complex problems: Use research-based knowledge including design of experiments, analysis and interpretation of data and synthesis of the information to provide valid conclusions.

PO5: Modern tool usage: Create, select and apply appropriate techniques, resources, and modern software tools including prediction and modelling tools to complex designing activities with an understanding of the limitations.

PO6: The Architect and society: Apply reasoning informed by the contextual knowledge to access societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional Architectural practice.

PO7: Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the Architectural practice.

PO8: Individual and team work: Function effectively as an individual, and as a member or leader in teams, and in multidisciplinary settings.

PO9: Communications: Communicate effectively with the engineering community and with the society at large. Be able to comprehend and write effective reports documentation. Make effective presentations and give and receive clear instructions.

PO10: Project management and finance: Demonstrate knowledge and understanding of engineering and management principles and apply these to one's own work, as a member and leader in a team. Manage projects in multidisciplinary environments.

PO11: Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and lifelong learning in the broadest context of technological change.



Credit Definition

Type	Duration (in hours)	Credit
Lecture (L)	1	1
Tutorial (T)	1	1
Practical (P)	1	1
Sessional(S)	1	1

Total Credit Distribution for the Entire Programme

Semester	Credits						Credits/Semester
	PCC	BSAE	PAECC	PE	OE	SEC	
1	18	6	0	0	0	2	26
2	12	8	0	0	0	4	24
3	15	8	0	0	4	4	31
4	14	9	2	0	4	4	33
5	18	12	0	6	0	2	38
6	17	10	0	6	0	2	35
7	22	8	2	6	0	2	40
8	0	0	20	0	0	0	20
9	15	0	4	12	0	0	31
10	24	0	0	6	0	0	30
Credits/Course	155	61	28	36	8	20	308

Category Definition

Definition of Category/Type	Abbreviation
Professional Core	PC/PCC
Building Sciences and Applied Engineering	BSAE
Professional Ability Enhancement Compulsory Courses	PAECC
Professional Electives	PE
Open Electives (Generic Electives)	OE
Skill Enhancement Courses	SEC

FIRST YEAR



SEMESTER-I

Sl No	Course Title	Code	Type	Credit	Type			
					L	T	P	S
1	Architectural Design 1 (Basic Design and Visual Arts)		PCC	6	0	0	0	6
2	Architectural Graphics & Drawing 1		PCC	4	0	0	0	4
3	Theory of design-1		PCC	3	1	0	4	3
3	History of Architecture & Culture 1		PCC	2	2	0	0	0
4	Model Making 1 & Sketching		PCC	3	0	0	4	0
5	Building Materials & Construction 1		BSAE	4	1	1	0	2
6	Applied Mechanics		BSAE	2	2	0	0	0
7	Communicative English - I 1		SEC	2	2	0	0	0
Total Credits					26 Credits			

SEMESTER-II

Sl No	Course Title	Code	Type	Credit	Type			
					L	T	P	S
1	Architectural Design 2 (Basic Design and Visual Arts)		PCC	6	0	0	0	6
2	Architectural Graphics & Drawing 2		PCC	4	0	0	0	4
3	History of Architecture & Culture 2		PCC	2	2	0	0	0
4	Surveying & levelling		BSAE	2	1	0	2	0
5	Building Materials & Construction 2		BSAE	4	1	1	0	2
6	Strength of Materials		BSAE	2	2	0	0	0
7	Computer Application 1		SEC	2	0	0	4	0
8	Communicative English II		SEC	2	2	0	0	0
9	Educational Tour 1		PCC	2	0	0	0	6
Total Credits				24 Credits				

SECOND YEAR



SEMESTER-III

Sl No	Course Title	Code	Type	Credit	Type			
					L	T	P	S
1	Architectural Design 3		PCC	9	0	0	0	6
2	Architectural Graphics & Drawing 3		PCC	4	0	0	0	4
3	History of Architecture & Culture 3		PCC	2	2	0	0	0
4	Building Materials & Construction 3		BSAE	4	1	1	0	2
5	Surveying & levelling		BSAE	2	1	0	2	0
6	Computer Application 2		SEC	2	0	0	4	0
7	Structural Design & system 1		BSAE	2	2	0	0	0
8	General Elective (GE)		OE	4	4	0	0	0
9	Foreign Language - I		SEC	2	2	0	0	0
Total Credits				31 Credits				

SEMESTER-IV

Sl No	Course Title	Code	Type	Credit	Type			
					L	T	P	S
1	Architectural Design 4		PCC	9	0	0	0	6
2	Site Planning and landscape Architecture 1		PCC	3	2	1	0	0
3	Building Materials & Construction 4		BSAE	5	1	0	0	4
4	Building Services 1		BSAE	2	1	1	0	0
5	History of Architecture & Culture 4		PCC	2	2	0	0	0
6	Structural Design & System 2		BSAE	2	2	0	0	0
7	Computer Application 3		SEC	2	0	0	4	0
8	Seminar and Research 1		PAECC	2	0	0	4	0
9	Educational Tour 2			0	0	0	0	0
10	General Elective 2 (GE2)		OE	4	4	0	0	0
11	Foreign Language 2 (FL2)		SEC	2	2	0	0	0
Total Credits				33 Credits				



THIRD YEAR

SEMESTER-V

Sl No	Course Title	Code	Type	Credit	Type			
					L	T	P	S
1	Architectural Design 5		PCC	12	0	0	0	8
2	Contemporary Architecture		PCC	2	2	0	0	0
3	Site Planning and landscape architecture 2		PCC	4	1	1	0	3
4	Building Materials & Construction 5		BSAE	5	1	1	0	4
5	Building Services 2		BSAE	2	1	1	0	0
6	Structural Design & system 3		BSAE	2	2	0	0	0
7	Climatology		BSAE	3	2	1	0	0
8	Elective 1: (Design Thinking)		PE	3	2	1	0	0
9	Elective 1: Architectural Journalism		PE	3	2	1	0	0
10	Foreign Language 3 (FL3)		SEC	2	2	0	0	0
Total Credits				38 Credits				

SEMESTER-VI

Sl No	Course Title	Code	Type	Credit	Type			
					L	T	P	S
1	Architectural Design 7		PCC	15	0	0	0	10
2	Working Drawing & Documentation		BSAE	6	0	0	0	4
3	Specification, Cost Estimation and Budgeting		PCC	2	1	1	0	0
4	Building Services 4		BSAE	2	1	1	0	0
5	Urban Design		PCC	2	2	0	0	0
6	Project Management		PAECC	2	1	1	0	0
7	Interior Design		PCC	3	0	0	6	0
8	AI in Architecture		SEC	2	0	0	4	0
9	Elective 3: (Building Systems Integration and Management)		PE	3	2	1	0	0
10	Elective 3: (Disaster Management)		PE	3	2	1	0	0
Total Credits				35 Credits				

FOURTH YEAR

SEMESTER-VII

Sl No	Course Title	Code	Type	Credit	Type			
					L	T	P	S
1	Architectural Design 6		PCC	15	0	0	0	10
2	Architectural Planning Paradigms		PCC	2	2	0	0	0
3	Building Services 3		BSAE	2	1	1	0	0
4	Advanced Structures		BSAE	2	2	0	0	0
5	Building Materials & Construction 6		BSAE	6	1	0	0	5
6	Elective 2: (Architectural Conservation)		PE	3	2	1	0	0
7	Elective 2 : (Vernacular Architecture)		PE	3	2	1	0	0
8	Educational Tour 3			0	0	0	0	0
9	Foreign Language 4 (FL4)		SEC	2	2	0	0	0
Total Credits				40 Credits				

SEMESTER-VIII

Sl No	Course Title	Code	Type	Credit	Type			
					L	T	P	S
1	Practical Training		PAECC	20	0	0	40	0
Total Credits				20 Credits				

FIFTH YEAR

SEMESTER-IX

Sl No	Course Title	Code	Type	Credit	Type			
					L	T	P	S
1	Architectural Design 8		PCC	15	0	0	0	10



2	Research Methodology & Dissertation		PAECC	2	2	0	0	0
3	Professional Practice		PAECC	2	2	0	0	0
4	Elective 4: (Housing)		PE	3	2	1	0	0
5	Elective 4: (Real Estate Management)		PE	3	2	1	0	0
6	Elective 5: (Glass & Steel Architecture)		PE	3	2	1	0	0
7	Elective 5 (Green Building Rating System)		PE	3	2	1	0	0
Total Credits				31 Credits				

SEMESTER-X

Sl No	Course Title	Code	Type	Credit	Type			
					L	T	P	S
1	Design Thesis		PCC	24	0	0	0	16
2	PE 6: (Facade Design)		PE	3	2	1	0	0
3	PE 6: (Product Design)		PE	3	2	1	0	0
Total Credits				30 Credits				

COURSE CO-PO-PSO MAPPING

SEMESTER-I

ARCHITECTURAL DESIGN 1

COURSE OUTCOMES:

CO1: Students will be able to identify fundamental elements and principles of design.

CO2: Students will be able to apply basic ergonomic concepts and anthropometric data in form-based spatial compositions.

CO3: Students will be able to analyze spatial relationships and visual grammar through 2D and 3D design exercises.

CO4: Students will be able to evaluate abstract and conceptual ideas.

CO5: Students will be able to create visually and spatially coherent compositions using various media and modelling techniques.

MAPPING OF COs WITH POs AND PSOs

COURSE OUTCOMES	PROGRAMME OUTCOMES											PROGRAMME SPECIFIC OUTCOMES		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PSO1	PSO2	PSO3
CO1	3	2	2	1	1	2	3	2	2	3	3	2	3	3
CO2	3	3	3	2	2	3	3	2	2	3	3	2	3	3
CO3	3	3	3	2	2	3	3	2	2	3	3	2	3	3
CO4	3	3	3	2	2	3	3	2	2	3	3	2	3	3
CO5	3	3	3	2	2	3	3	2	2	3	3	2	3	3

1. LOW

2. MODERATE

3. SUBSTANTIAL



ARCHITECTURAL GRAPHICS AND DRAWING 1

COURSE OUTCOMES:

CO1: Students will be able to identify and use architectural communication through architectural equipment.

CO2: Students will be able to apply principles of orthographic projection, dimensioning, and lettering to technical drawings.

CO3: Students will be able to analyze geometric constructions and interpret their relevance in architectural representation.

CO4: Students will be able to evaluate drawings for accuracy, clarity, and scale using appropriate hatching and rendering techniques.

CO5: Students will be able to create measured and freehand drawings of objects, furniture, and built forms using correct visual representation techniques.

MAPPING OF COs WITH POs AND PSOs

COURSE OUTCOMES	PROGRAMME OUTCOMES											PROGRAMME SPECIFIC OUTCOMES		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PSO1	PSO2	PSO3
CO1	3	2	2	1	1	2	3	2	2	3	3	2	3	3
CO2	3	3	3	2	2	3	3	2	2	3	3	2	3	3
CO3	3	3	3	2	2	3	3	2	2	3	3	2	3	3
CO4	3	3	3	2	2	3	3	2	2	3	3	2	3	3
CO5	3	3	3	2	2	3	3	2	2	3	3	2	3	3

1. LOW

2. MODERATE

3. SUBSTANTIAL

Theory of Design 1

COURSE OUTCOMES:

CO1: Students will be able to recall fundamental design principles, elements, and theories related to form, space, and aesthetics.

CO2: Students will be able to analyze the relationship between function, form, structure, and context in architectural and interior design works.

CO3: Students will be able to interpret various design philosophies and movements and relate them to cultural, social, and technological influences.

CO4: Students will be able to evaluate design compositions based on proportion, scale, harmony, balance, and unity.

CO5: Students will be able to apply theoretical knowledge to develop conceptual frameworks for creative and context-sensitive design solutions.

MAPPING OF COs WITH POs AND PSOs

COURSE OUTCOMES	PROGRAMME OUTCOMES											PROGRAMME SPECIFIC OUTCOMES		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PSO1	PSO2	PSO3
CO1	3	2	2	1	1	2	3	2	2	3	3	2	3	1
CO2	3	3	3	2	2	3	3	2	2	3	3	2	3	1
CO3	3	3	3	2	2	3	3	2	2	3	3	2	3	1
CO4	3	3	3	2	2	3	3	2	2	3	3	2	3	1
CO5	3	3	3	2	2	3	3	2	2	3	3	2	3	1

1. LOW

2. MODERATE

3. SUBSTANTIAL

History of Architecture and Culture 1

COURSE OUTCOMES:

CO1: Students will be able to identify key architectural developments from Prehistoric, River Valley, and early Buddhist periods.

CO2: Students will be able to interpret early settlement forms and structures in relation to their cultural, religious, and environmental context.

CO3: Students will be able to analyze architectural styles and construction techniques of ancient civilizations.

CO4: Students will be able to evaluate the influence of socio-political and technological factors on architectural evolution.

CO5: Students will be able to synthesize historical and cultural knowledge through visual, verbal, and written architectural narratives.

MAPPING OF COs WITH POs AND PSOs



COURSE OUTCOMES	PROGRAMME OUTCOMES											PROGRAMME SPECIFIC OUTCOMES		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PSO1	PSO2	PSO3
CO1	3	2	2	1	1	2	3	2	2	3	3	2	3	1
CO2	3	3	3	2	2	3	3	2	2	3	3	2	3	1
CO3	3	3	3	2	2	3	3	2	2	3	3	2	3	1
CO4	3	3	3	2	2	3	3	2	2	3	3	2	3	1
CO5	3	3	3	2	2	3	3	2	2	3	3	2	3	1

1. LOW

2. MODERATE

3. SUBSTANTIAL

Model making

COURSE OUTCOMES:

CO1: Students will be able to identify tools, materials, and techniques used in architectural model making and sketching.

CO2: Students will be able to apply principles of light, shade, and composition in daily sketching and visual exploration.

CO3: Students will be able to analyze scale and proportion through physical models of architectural elements and massing.

CO4: Students will be able to evaluate visual and material qualities in models representing abstract and built forms.

CO5: Students will be able to create detailed models and expressive sketches to support their design process and communication.

MAPPING OF COs WITH POs AND PSOs

COURSE OUTCOMES	PROGRAMME OUTCOMES											PROGRAMME SPECIFIC OUTCOMES		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PSO1	PSO2	PSO3
CO1	3	2	2	1	1	2	3	2	2	3	3	2	3	1
CO2	3	3	3	2	2	3	3	2	2	3	3	2	3	1
CO3	3	3	3	2	2	3	3	2	2	3	3	2	3	1
CO4	3	3	3	2	2	3	3	2	2	3	3	2	3	1
CO5	3	3	3	2	2	3	3	2	2	3	3	2	3	1

1. LOW

2. MODERATE

3. SUBSTANTIAL



Building Materials and Construction 1

COURSE OUTCOMES:

CO1: Students will be able to classify fundamental building materials, including clay, stone, brick, lime, and glass.

CO2: Students will be able to analyze properties, production processes, and performance criteria of selected materials.

CO3: Students will be able to demonstrate knowledge of brick bonding, masonry construction, and stone applications through drawings and models.

CO4: Students will be able to evaluate the environmental and structural implications of material selection in construction.

CO5: Students will be able to create construction drawings and visual documentation of building components using appropriate techniques.

MAPPING OF COs WITH POs AND PSOs

COURSE OUTCOMES	PROGRAMME OUTCOMES											PROGRAMME SPECIFIC OUTCOMES		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PSO1	PSO2	PSO3
CO1	3	2	2	1	1	2	3	2	2	3	3	2	3	1
CO2	3	3	3	2	2	3	3	2	2	3	3	2	3	1
CO3	3	3	3	2	2	3	3	2	2	3	3	2	3	1
CO4	3	3	3	2	2	3	3	2	2	3	3	2	3	1
CO5	3	3	3	2	2	3	3	2	2	3	3	2	3	1

1. LOW

2. MODERATE

3. SUBSTANTIAL

Applied mechanics

COURSE OUTCOMES:

CO1: Students will be able to define key mechanics concepts.

CO2: Students will be able to apply principles of statics.

CO3: Students will be able to analyze shear force and bending moment relationships in simple structural elements.

CO4: Students will be able to detect structural behavior through section properties, support conditions, and loading types.



CO5: Students will be able to solve numerical problems and construct diagrams related to basic structural mechanics through solving numerical problems.

MAPPING OF COs WITH POs AND PSOs

COURSE OUTCOMES	PROGRAMME OUTCOMES											PROGRAMME SPECIFIC OUTCOMES		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PSO1	PSO2	PSO3
CO1	3	2	2	1	1	2	3	2	2	3	3	2	3	1
CO2	3	3	3	2	2	3	3	2	2	3	3	2	3	1
CO3	3	3	3	2	2	3	3	2	2	3	3	2	3	1
CO4	3	3	3	2	2	3	3	2	2	3	3	2	3	1
CO5	3	3	3	2	2	3	3	2	2	3	3	2	3	1

1. LOW

2. MODERATE

3. SUBSTANTIAL

Communicative English-1

COURSE OUTCOMES:

CO1: Students will be able to understand and use English effectively in academic and professional contexts.

CO2: Students will be able to develop listening, speaking, reading, and writing skills for clear and confident communication.

CO3: Students will be able to demonstrate proficiency in professional correspondence, including reports, emails, and presentations.

CO4: Students will be able to participate effectively in group discussions, interviews, and client interactions with appropriate etiquette.

CO5: Students will be able to apply communication skills to express design ideas, concepts, and documentation clearly and persuasively.

MAPPING OF COs WITH POs AND PSOs

COURSE OUTCOMES	PROGRAMME OUTCOMES											PROGRAMME SPECIFIC OUTCOMES		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PSO1	PSO2	PSO3
CO1	3	2	2	1	1	2	3	2	2	3	3	2	3	1
CO2	3	3	3	2	2	3	3	2	2	3	3	2	3	1
CO3	3	3	3	2	2	3	3	2	2	3	3	2	3	1
CO4	3	3	3	2	2	3	3	2	2	3	3	2	3	1
CO5	3	3	3	2	2	3	3	2	2	3	3	2	3	1



1. LOW

2. MODERATE

3. SUBSTANTIAL

SEMESTER-II

Architectural Design 2

COURSE OUTCOMES:

CO1: Students will be able to identify key elements of site analysis for small-scale architectural design projects.

CO2: Students will be able to apply fundamental design principles to develop coherent architectural concepts.

CO3: Students will be able to analyze building codes and regulations in the context of design proposals.

CO4: Students will be able to evaluate design solutions using sustainability and functional criteria.

CO5: Students will be able to create comprehensive design drawings and models to communicate architectural concepts.

MAPPING OF COs WITH POs AND PSOs

COURSE OUTCOMES	PROGRAMME OUTCOMES											PROGRAMME SPECIFIC OUTCOMES		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PSO1	PSO2	PSO3
CO1	3	2	2	1	1	2	3	2	2	3	3	2	3	1
CO2	3	3	3	2	2	3	3	2	2	3	3	2	3	1
CO3	3	3	3	2	2	3	3	2	2	3	3	2	3	1
CO4	3	3	3	2	2	3	3	2	2	3	3	2	3	1
CO5	3	3	3	2	2	3	3	2	2	3	3	2	3	1

1. LOW

2. MODERATE

3. SUBSTANTIAL

Architectural Graphics and Drawing 2

COURSE OUTCOMES:

CO1: Students will be able to understand advanced architectural drawing conventions, symbols, and graphical communication techniques.



CO2: Students will be able to develop orthographic, isometric, and perspective drawings to represent architectural forms accurately.

CO3: Students will be able to analyze and visualize spatial relationships through measured drawings and geometric constructions.

CO4: Students will be able to apply rendering, shading, and graphic presentation skills to enhance visual communication of design ideas.

CO5: Students will be able to integrate manual and digital drawing techniques to produce comprehensive architectural drawings for design documentation.

MAPPING OF COs WITH POs AND PSOs

COURSE OUTCOMES	PROGRAMME OUTCOMES											PROGRAMME SPECIFIC OUTCOMES		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PSO1	PSO2	PSO3
CO1	3	2	2	1	1	2	3	2	2	3	3	2	3	1
CO2	3	3	3	2	2	3	3	2	2	3	3	2	3	1
CO3	3	3	3	2	2	3	3	2	2	3	3	2	3	1
CO4	3	3	3	2	2	3	3	2	2	3	3	2	3	1
CO5	3	3	3	2	2	3	3	2	2	3	3	2	3	1

1. LOW

2. MODERATE

3. SUBSTANTIAL

History of Architecture and Culture 2

COURSE OUTCOMES:

CO1: Students will be able to identify major architectural styles, features, and construction methods from medieval to colonial periods.

CO2: Students will be able to analyze how geography, culture, religion, and politics influenced architectural evolution across regions.

CO3: Students will be able to compare and interpret architectural developments within Indian and global contexts.

CO4: Students will be able to evaluate architectural works as reflections of cultural identity, social hierarchy, and technological progress.



CO5: Students will be able to apply historical and cultural understanding to develop design concepts rooted in architectural heritage and context.

MAPPING OF COs WITH POs AND PSOs

COURSE OUTCOMES	PROGRAMME OUTCOMES											PROGRAMME SPECIFIC OUTCOMES		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PSO1	PSO2	PSO3
CO1	3	2	2	1	1	2	3	2	2	3	3	2	3	1
CO2	3	3	3	2	2	3	3	2	2	3	3	2	3	1
CO3	3	3	3	2	2	3	3	2	2	3	3	2	3	1
CO4	3	3	3	2	2	3	3	2	2	3	3	2	3	1
CO5	3	3	3	2	2	3	3	2	2	3	3	2	3	1

1. LOW

2. MODERATE

3. SUBSTANTIAL

Surveying & Levelling

COURSE OUTCOMES:

CO1: Students will be able to understand the basic principles and purposes of surveying and levelling in architectural and site planning contexts.

CO2: Students will be able to use various surveying instruments such as chains, compasses, theodolites, and levels for accurate field measurements.

CO3: Students will be able to analyze and compute survey data to prepare site plans, contour maps, and sections.

CO4: Students will be able to apply levelling and contouring techniques to determine gradients, drainage patterns, and site suitability.

CO5: Students will be able to integrate surveying data with design decisions for effective planning, layout, and implementation of architectural projects.

MAPPING OF COs WITH POs AND PSOs

COURSE OUTCOMES	PROGRAMME OUTCOMES	PROGRAMME SPECIFIC
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ES												OUTCOMES		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PSO1	PSO2	PSO3
CO1	3	2	2	1	1	2	3	2	2	3	3	2	3	1
CO2	3	3	3	2	2	3	3	2	2	3	3	2	3	1
CO3	3	3	3	2	2	3	3	2	2	3	3	2	3	1
CO4	3	3	3	2	2	3	3	2	2	3	3	2	3	1
CO5	3	3	3	2	2	3	3	2	2	3	3	2	3	1

1. LOW

2. MODERATE

3. SUBSTANTIAL

Building Materials and Construction 2

COURSE OUTCOMES:

CO1: Students will be able to identify and describe the properties, uses, and applications of various building materials such as timber, glass, steel, and composite materials.

CO2: Students will be able to understand the methods and techniques of construction for walls, doors, windows, floors, and roofs.

CO3: Students will be able to analyze constructional details and joinery systems to ensure structural stability and functional efficiency.

CO4: Students will be able to prepare working drawings and details demonstrating the correct use of building materials and components.

CO5: Students will be able to apply material knowledge and construction techniques to develop sustainable, cost-effective, and context-appropriate design solutions.

MAPPING OF COs WITH POs AND PSOs

COURSE OUTCOMES	PROGRAMME OUTCOMES											PROGRAMME SPECIFIC OUTCOMES		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PSO1	PSO2	PSO3
CO1	3	2	2	1	1	2	3	2	2	3	3	2	3	1
CO2	3	3	3	2	2	3	3	2	2	3	3	2	3	1
CO3	3	3	3	2	2	3	3	2	2	3	3	2	3	1
CO4	3	3	3	2	2	3	3	2	2	3	3	2	3	1
CO5	3	3	3	2	2	3	3	2	2	3	3	2	3	1

1. LOW

2. MODERATE

3. SUBSTANTIAL

Strength of Materials

COURSE OUTCOMES:

CO1: Students will be able to understand the fundamental concepts of stress, strain, and elasticity in structural materials.

CO2: Students will be able to analyze the behavior of structural elements under different types of loads such as tension, compression, shear, and bending.

CO3: Students will be able to evaluate shear force and bending moment diagrams for various types of beams and loading conditions.

CO4: Students will be able to determine the strength and stability of structural members using basic mechanical and mathematical principles.

CO5: Students will be able to apply theoretical knowledge to practical design problems, ensuring safety, durability, and efficiency in architectural and structural applications.

MAPPING OF COs WITH POs AND PSOs

COURSE OUTCOMES	PROGRAMME OUTCOMES											PROGRAMME SPECIFIC OUTCOMES		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PSO1	PSO2	PSO3
CO1	3	2	2	1	1	2	3	2	2	3	3	2	3	1
CO2	3	3	3	2	2	3	3	2	2	3	3	2	3	1
CO3	3	3	3	2	2	3	3	2	2	3	3	2	3	1
CO4	3	3	3	2	2	3	3	2	2	3	3	2	3	1
CO5	3	3	3	2	2	3	3	2	2	3	3	2	3	1

1. LOW

2. MODERATE

3. SUBSTANTIAL

Computer Application 1

COURSE OUTCOMES:

CO1: Students will be able to understand the basic concepts of computer systems, operating environments, and digital tools used in architectural design.



CO2: Students will be able to use computer software for drafting, modeling, and presentation, including basic applications like AutoCAD or similar tools.

CO3: Students will be able to create and edit 2D drawings and simple 3D models for architectural and interior design projects.

CO4: Students will be able to apply digital skills for design documentation, visualization, and graphical communication.

CO5: Students will be able to integrate computer applications with design processes to enhance accuracy, efficiency, and creativity in project execution.

MAPPING OF COs WITH POs AND PSOs

COURSE OUTCOMES	PROGRAMME OUTCOMES											PROGRAMME SPECIFIC OUTCOMES		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PSO1	PSO2	PSO3
CO1	3	2	2	1	1	2	3	2	2	3	3	2	3	1
CO2	3	3	3	2	2	3	3	2	2	3	3	2	3	1
CO3	3	3	3	2	2	3	3	2	2	3	3	2	3	1
CO4	3	3	3	2	2	3	3	2	2	3	3	2	3	1
CO5	3	3	3	2	2	3	3	2	2	3	3	2	3	1

1. LOW

2. MODERATE

3. SUBSTANTIAL

Communicative English-2

COURSE OUTCOMES:

CO1: Students will be able to enhance fluency and accuracy in spoken and written English for academic and professional communication.

CO2: Students will be able to develop advanced listening, reading, and comprehension skills through design-related and technical contexts.

CO3: Students will be able to write structured and coherent professional documents, including reports, proposals, and correspondence.

CO4: Students will be able to participate confidently in discussions, interviews, and presentations, demonstrating effective interpersonal and public speaking skills.

CO5: Students will be able to apply communication strategies and language proficiency to articulate design ideas, arguments, and project concepts effectively.

MAPPING OF COs WITH POs AND PSOs

COURSE OUTCOMES	PROGRAMME OUTCOMES											PROGRAMME SPECIFIC OUTCOMES		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PSO1	PSO2	PSO3
CO1	3	2	2	1	1	2	3	2	2	3	3	2	3	1
CO2	3	3	3	2	2	3	3	2	2	3	3	2	3	1
CO3	3	3	3	2	2	3	3	2	2	3	3	2	3	1
CO4	3	3	3	2	2	3	3	2	2	3	3	2	3	1
CO5	3	3	3	2	2	3	3	2	2	3	3	2	3	1

1. LOW

2. MODERATE

3. SUBSTANTIAL

Educational Tour 1

COURSE OUTCOMES:

CO1: Students will be able to observe and document architectural, cultural, and environmental aspects of selected sites through direct exposure.

CO2: Students will be able to analyze building typologies, materials, and construction techniques in real-world contexts.

CO3: Students will be able to relate theoretical knowledge from classroom learning to practical architectural and urban situations.



CO4: Students will be able to develop skills in sketching, photography, and report writing to record and communicate field observations effectively.

CO5: Students will be able to evaluate the design quality, spatial experience, and sustainability aspects of visited architectural projects..

MAPPING OF COs WITH POs AND PSOs

COURSE OUTCOMES	PROGRAMME OUTCOMES											PROGRAMME SPECIFIC OUTCOMES		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PSO1	PSO2	PSO3
CO1	3	2	2	1	1	2	3	2	2	3	3	2	3	1
CO2	3	3	3	2	2	3	3	2	2	3	3	2	3	1
CO3	3	3	3	2	2	3	3	2	2	3	3	2	3	1
CO4	3	3	3	2	2	3	3	2	2	3	3	2	3	1
CO5	3	3	3	2	2	3	3	2	2	3	3	2	3	1

1. LOW

2. MODERATE

3. SUBSTANTIAL

SEMESTER-III

Architectural Design 3

COURSE OUTCOMES:

CO1: Students will be able to identify key elements of site analysis for small-scale architectural design projects.

CO2: Students will be able to apply fundamental design principles to develop coherent architectural concepts.

CO3: Students will be able to analyze building codes and regulations in the context of design proposals.

CO4: Students will be able to evaluate design solutions using sustainability and functional criteria.

CO5: Students will be able to create comprehensive design drawings and models to communicate architectural concepts.

MAPPING OF COs WITH POs AND PSOs



COURSE OUTCOMES	PROGRAMME OUTCOMES											PROGRAMME SPECIFIC OUTCOMES		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PSO1	PSO2	PSO3
CO1	3	2	2	1	1	2	3	2	2	3	3	2	3	1
CO2	3	3	3	2	2	3	3	2	2	3	3	2	3	1
CO3	3	3	3	2	2	3	3	2	2	3	3	2	3	1
CO4	3	3	3	2	2	3	3	2	2	3	3	2	3	1
CO5	3	3	3	2	2	3	3	2	2	3	3	2	3	1

1. LOW

2. MODERATE

3. SUBSTANTIAL

Architectural Graphics & Drawing 3

COURSE OUTCOMES:

CO1: Students will be able to understand advanced principles of architectural representation, including working drawings and detailed drafting conventions.

CO2: Students will be able to prepare measured drawings and technical details for buildings, interiors, and components with accuracy and precision.

CO3: Students will be able to analyze and visualize complex architectural forms through perspectives, sectional views, and exploded drawings.

CO4: Students will be able to apply rendering, presentation, and graphical composition techniques for professional design communication.

CO5: Students will be able to integrate manual and digital graphic tools to produce complete drawing sets for design documentation and execution.

MAPPING OF COs WITH POs AND PSOs

COURSE OUTCOMES	PROGRAMME OUTCOMES											PROGRAMME SPECIFIC OUTCOMES		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PSO1	PSO2	PSO3
CO1	3	2	2	1	1	2	3	2	2	3	3	2	3	1
CO2	3	3	3	2	2	3	3	2	2	3	3	2	3	1
CO3	3	3	3	2	2	3	3	2	2	3	3	2	3	1
CO4	3	3	3	2	2	3	3	2	2	3	3	2	3	1



CO5	3	3	3	2	2	3	3	2	2	3	3	2	3	1
	1. LOW			2. MODERATE			3. SUBSTANTIAL							

History of Architecture & Culture 3

COURSE OUTCOMES:

CO1: Students will be able to list major architectural movements and their distinguishing characteristics.

CO2: Students will be able to analyze architectural case studies to identify underlying cultural and historical influences.

CO3: Students will be able to evaluate the impact of social, cultural, and technological factors on the development of architectural styles.

CO4: Students will be able to apply historical design principles to conceptual design exercises that reflect cultural context.

CO5: Students will be able to create visual presentations (e.g., timelines or models) that synthesize cultural and historical knowledge of architecture.

MAPPING OF COs WITH POs AND PSOs

COURSE OUTCOMES	PROGRAMME OUTCOMES											PROGRAMME SPECIFIC OUTCOMES		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PSO1	PSO2	PSO3
CO1	3	2	2	1	1	2	3	2	2	3	3	2	3	1
CO2	3	3	3	2	2	3	3	2	2	3	3	2	3	1
CO3	3	3	3	2	2	3	3	2	2	3	3	2	3	1
CO4	3	3	3	2	2	3	3	2	2	3	3	2	3	1
CO5	3	3	3	2	2	3	3	2	2	3	3	2	3	1
	1. LOW			2. MODERATE			3. SUBSTANTIAL							

Building Materials & Construction 3

COURSE OUTCOMES:

CO1: Students will be able to list common building materials and their basic structural properties.

CO2: Students will be able to select appropriate construction materials for specific building components using material selection criteria.



CO3: Students will be able to analyze material behavior under different loading and environmental conditions.

CO4: Students will be able to evaluate construction methods for walls, floors, and roofs in terms of performance and sustainability.

CO5: Students will be able to create detailed construction drawings and specifications for building assemblies.

MAPPING OF COs WITH POs AND PSOs

COURSE OUTCOMES	PROGRAMME OUTCOMES											PROGRAMME SPECIFIC OUTCOMES		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PSO1	PSO2	PSO3
CO1	3	2	2	1	1	2	3	2	2	3	3	2	3	1
CO2	3	3	3	2	2	3	3	2	2	3	3	2	3	1
CO3	3	3	3	2	2	3	3	2	2	3	3	2	3	1
CO4	3	3	3	2	2	3	3	2	2	3	3	2	3	1
CO5	3	3	3	2	2	3	3	2	2	3	3	2	3	1

1. LOW

2. MODERATE

3. SUBSTANTIAL

Surveying & Levelling

COURSE OUTCOMES:

CO1: Students will be able to understand the basic principles and purposes of surveying and levelling in architectural and site planning contexts.

CO2: Students will be able to use various surveying instruments such as chains, compasses, theodolites, and levels for accurate field measurements.

CO3: Students will be able to analyze and compute survey data to prepare site plans, contour maps, and sections.

CO4: Students will be able to apply levelling and contouring techniques to determine gradients, drainage patterns, and site suitability.

CO5: Students will be able to integrate surveying data with design decisions for effective planning, layout, and implementation of architectural projects.



MAPPING OF COs WITH POs AND PSOs

COURSE OUTCOMES	PROGRAMME OUTCOMES											PROGRAMME SPECIFIC OUTCOMES		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PSO1	PSO2	PSO3
CO1	3	2	2	1	1	2	3	2	2	3	3	2	3	1
CO2	3	3	3	2	2	3	3	2	2	3	3	2	3	1
CO3	3	3	3	2	2	3	3	2	2	3	3	2	3	1
CO4	3	3	3	2	2	3	3	2	2	3	3	2	3	1
CO5	3	3	3	2	2	3	3	2	2	3	3	2	3	1

1. LOW

2. MODERATE

3. SUBSTANTIAL

Computer Application 2

COURSE OUTCOMES:

CO1: Students will be able to list key features and tools of architectural CAD/BIM software.

CO2: Students will be able to apply CAD/BIM techniques to create detailed architectural models and drawings.

CO3: Students will be able to analyze digital building models using software analysis tools to detect design issues.

CO4: Students will be able to evaluate rendering and visualization techniques to improve architectural presentations.

CO5: Students will be able to create 3D models and renderings of architectural design concepts.

MAPPING OF COs WITH POs AND PSOs

COURSE OUTCOMES	PROGRAMME OUTCOMES											PROGRAMME SPECIFIC OUTCOMES		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PSO1	PSO2	PSO3
CO1	3	2	2	1	1	2	3	2	2	3	3	2	3	1
CO2	3	3	3	2	2	3	3	2	2	3	3	2	3	1
CO3	3	3	3	2	2	3	3	2	2	3	3	2	3	1
CO4	3	3	3	2	2	3	3	2	2	3	3	2	3	1
CO5	3	3	3	2	2	3	3	2	2	3	3	2	3	1

1. LOW

2. MODERATE

3. SUBSTANTIAL

Structural Design & System 1

COURSE OUTCOMES:



CO1: Students will be able to understand the basic principles of structural behavior and load transfer mechanisms in buildings.

CO2: Students will be able to identify different structural systems such as load-bearing, framed, trussed, and shell structures used in architecture.

CO3: Students will be able to analyze the relationship between structural form, material, and architectural design intent.

CO4: Students will be able to apply basic structural design concepts to ensure stability, strength, and safety in architectural projects.

CO5: Students will be able to integrate structural understanding in design decision-making for creating efficient and expressive architectural forms.

MAPPING OF COs WITH POs AND PSOs

COURSE OUTCOMES	PROGRAMME OUTCOMES											PROGRAMME SPECIFIC OUTCOMES		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PSO1	PSO2	PSO3
CO1	3	2	2	1	1	2	3	2	2	3	3	2	3	1
CO2	3	3	3	2	2	3	3	2	2	3	3	2	3	1
CO3	3	3	3	2	2	3	3	2	2	3	3	2	3	1
CO4	3	3	3	2	2	3	3	2	2	3	3	2	3	1
CO5	3	3	3	2	2	3	3	2	2	3	3	2	3	1

1. LOW 2. MODERATE 3. SUBSTANTIAL

SEMESTER-IV

Architectural Design 4

COURSE OUTCOMES:

CO1: Students will be able to identify and interpret complex spatial, functional, and contextual requirements in medium- to large-scale architectural projects.

CO2: Students will be able to analyze and integrate environmental, structural, and social parameters to formulate coherent design strategies.

CO3: Students will be able to apply and synthesize design principles, user studies, and site data to develop contextually responsive design proposals.

CO4: Students will be able to evaluate and refine design alternatives through critical reasoning, simulation, and feedback.

CO5: Students will be able to produce and present comprehensive architectural design solutions using manual and digital visualization techniques, demonstrating professional-level communication skills.

MAPPING OF COs WITH POs AND PSOs

COURSE OUTCOMES	PROGRAMME OUTCOMES											PROGRAMME SPECIFIC OUTCOMES		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PSO1	PSO2	PSO3
CO1	3	2	2	1	1	2	3	2	2	3	3	2	3	1
CO2	3	3	3	2	2	3	3	2	2	3	3	2	3	1
CO3	3	3	3	2	2	3	3	2	2	3	3	2	3	1
CO4	3	3	3	2	2	3	3	2	2	3	3	2	3	1
CO5	3	3	3	2	2	3	3	2	2	3	3	2	3	1

1. LOW

2. MODERATE

3. SUBSTANTIAL

Site Planning & Landscape Architecture 1

COURSE OUTCOMES:



CO1: Students will be able to identify and interpret natural and man-made site features influencing design and development.

CO2: Students will be able to analyze and evaluate topography, vegetation, hydrology, and microclimate to determine site suitability.

CO3: Students will be able to apply and organize principles of circulation, zoning, and land use to create efficient site layouts.

CO4: Students will be able to synthesize and integrate ecological and aesthetic considerations to design sustainable outdoor environments.

CO5: Students will be able to compose and present site planning proposals using graphical, digital, and model-based methods to communicate design intent effectively.

MAPPING OF COs WITH POs AND PSOs

COURSE OUTCOMES	PROGRAMME OUTCOMES											PROGRAMME SPECIFIC OUTCOMES		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PSO1	PSO2	PSO3
CO1	3	2	2	1	1	2	3	2	2	3	3	2	3	1
CO2	3	3	3	2	2	3	3	2	2	3	3	2	3	1
CO3	3	3	3	2	2	3	3	2	2	3	3	2	3	1
CO4	3	3	3	2	2	3	3	2	2	3	3	2	3	1
CO5	3	3	3	2	2	3	3	2	2	3	3	2	3	1

1. LOW

2. MODERATE

3. SUBSTANTIAL

Building Materials & Construction 4

COURSE OUTCOMES:

CO1: Students will be able to identify and classify advanced building materials and construction systems used in modern architectural practices.

CO2: Students will be able to analyze and interpret structural and functional characteristics of steel, reinforced concrete, and composite constructions.

CO3: Students will be able to apply and demonstrate appropriate construction techniques for multi-storeyed and large-span structures.

CO4: Students will be able to evaluate and compare materials and methods in terms of performance, cost, and sustainability.

CO5: Students will be able to develop and detail working drawings that accurately represent construction assemblies and material junctions for execution.

MAPPING OF COs WITH POs AND PSOs

COURSE OUTCOMES	PROGRAMME OUTCOMES											PROGRAMME SPECIFIC OUTCOMES		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PSO1	PSO2	PSO3
CO1	3	2	2	1	1	2	3	2	2	3	3	2	3	1
CO2	3	3	3	2	2	3	3	2	2	3	3	2	3	1
CO3	3	3	3	2	2	3	3	2	2	3	3	2	3	1
CO4	3	3	3	2	2	3	3	2	2	3	3	2	3	1
CO5	3	3	3	2	2	3	3	2	2	3	3	2	3	1

1. LOW

2. MODERATE

3. SUBSTANTIAL

Building Services 1

COURSE OUTCOMES:

CO1: Students will be able to identify and describe the fundamental principles of building services related to water supply, sanitation, and plumbing systems.

CO2: Students will be able to analyze and interpret the flow of water, drainage patterns, and waste disposal methods in buildings.

CO3: Students will be able to apply and design basic layouts for water supply and sanitary systems suitable for different building types.



CO4: Students will be able to evaluate and select appropriate materials, fittings, and technologies ensuring safety, efficiency, and sustainability.

CO5: Students will be able to integrate and illustrate building service systems within architectural drawings to achieve coordinated design solutions.

MAPPING OF COs WITH POs AND PSOs

COURSE OUTCOMES	PROGRAMME OUTCOMES											PROGRAMME SPECIFIC OUTCOMES		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PSO1	PSO2	PSO3
CO1	3	2	2	1	1	2	3	2	2	3	3	2	3	1
CO2	3	3	3	2	2	3	3	2	2	3	3	2	3	1
CO3	3	3	3	2	2	3	3	2	2	3	3	2	3	1
CO4	3	3	3	2	2	3	3	2	2	3	3	2	3	1
CO5	3	3	3	2	2	3	3	2	2	3	3	2	3	1

1. LOW

2. MODERATE

3. SUBSTANTIAL

History of Architecture & Culture 4

COURSE OUTCOMES:

CO1: Students will be able to identify and interpret major architectural movements and styles from the Renaissance to the Modern period.

CO2: Students will be able to analyze and compare how technological, cultural, and socio-political factors shaped architectural expression across regions.

CO3: Students will be able to evaluate and critique significant works of architecture in terms of spatial organization, symbolism, and aesthetics.

CO4: Students will be able to integrate and relate historical precedents to contemporary architectural practices and theories.

CO5: Students will be able to formulate and present informed perspectives on architectural evolution through visual, verbal, and written communication.

MAPPING OF COs WITH POs AND PSOs

COURSE OUTCOMES	PROGRAMME OUTCOMES											PROGRAMME SPECIFIC OUTCOMES		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PSO1	PSO2	PSO3
CO1	3	2	2	1	1	2	3	2	2	3	3	2	3	1
CO2	3	3	3	2	2	3	3	2	2	3	3	2	3	1
CO3	3	3	3	2	2	3	3	2	2	3	3	2	3	1
CO4	3	3	3	2	2	3	3	2	2	3	3	2	3	1
CO5	3	3	3	2	2	3	3	2	2	3	3	2	3	1

1. LOW

2. MODERATE

3. SUBSTANTIAL

Structural Design & Systems 2

COURSE OUTCOMES:

CO1: Students will be able to recall and explain fundamental concepts of structural mechanics, material strength, and load behavior in building systems.

CO2: Students will be able to analyze and compute forces, stresses, and deflections in beams, columns, and slabs under various loading conditions.

CO3: Students will be able to apply and design simple reinforced concrete and steel structural components in architectural contexts.

CO4: Students will be able to evaluate and justify appropriate structural systems and materials based on performance, economy, and aesthetics.

CO5: Students will be able to integrate and coordinate structural principles with architectural design to achieve stability, functionality, and visual harmony

MAPPING OF COs WITH POs AND PSOs

COURSE OUTCOMES	PROGRAMME OUTCOMES	PROGRAMME SPECIFIC OUTCOMES
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ES	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PSO1	PSO2	PSO3
CO1	3	2	2	1	1	2	3	2	2	3	3	2	3	1
CO2	3	3	3	2	2	3	3	2	2	3	3	2	3	1
CO3	3	3	3	2	2	3	3	2	2	3	3	2	3	1
CO4	3	3	3	2	2	3	3	2	2	3	3	2	3	1
CO5	3	3	3	2	2	3	3	2	2	3	3	2	3	1

1. LOW

2. MODERATE

3. SUBSTANTIAL

Computer Application 3

COURSE OUTCOMES:

CO1: Students will be able to identify and utilize advanced digital tools for 3D modeling, visualization, and architectural documentation.

CO2: Students will be able to analyze and organize complex architectural data to create accurate digital representations of design concepts.

CO3: Students will be able to apply and manipulate modeling software to generate detailed architectural forms, materials, and lighting simulations.

CO4: Students will be able to evaluate and optimize digital workflows to enhance efficiency, accuracy, and presentation quality in design projects.

CO5: Students will be able to synthesize and produce comprehensive digital models and renderings that effectively communicate spatial and design intent.

MAPPING OF COs WITH POs AND PSOs

COURSE OUTCOMES	PROGRAMME OUTCOMES											PROGRAMME SPECIFIC OUTCOMES		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PSO1	PSO2	PSO3
CO1	3	2	2	1	1	2	3	2	2	3	3	2	3	1
CO2	3	3	3	2	2	3	3	2	2	3	2	2	3	1
CO3	2	3	3	2	2	2	3	2	2	3	3	2	3	1
CO4	2	2	2	2	2	2	3	2	2	3	2	2	3	1
CO5	3	3	3	2	2	3	3	2	2	2	3	2	3	1



1. LOW

2. MODERATE

3. SUBSTANTIAL

Educational Tour 2

COURSE OUTCOMES:

CO1: Students will be able to observe and document architectural and urban characteristics through direct field exposure to diverse built environments.

CO2: Students will be able to analyze and interpret spatial organization, materials, and construction techniques of visited sites.

CO3: Students will be able to evaluate and compare design approaches, cultural influences, and sustainability aspects across different architectural contexts.

CO4: Students will be able to synthesize and relate on-site experiences with theoretical and studio learnings.

CO5: Students will be able to prepare and present detailed reports, sketches, and visual documentation that communicate design insights effectively.

MAPPING OF COs WITH POs AND PSOs

COURSE OUTCOMES	PROGRAMME OUTCOMES											PROGRAMME SPECIFIC OUTCOMES		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PSO1	PSO2	PSO3
CO1	3	2	2	1	1	2	3	2	2	3	3	2	3	1
CO2	3	3	3	2	2	3	3	2	2	3	2	2	3	1
CO3	2	3	3	2	2	2	3	2	2	3	3	2	3	1
CO4	2	2	2	2	2	2	3	2	2	3	2	2	3	1
CO5	3	3	3	2	2	3	3	2	2	2	3	2	3	1

1. LOW

2. MODERATE

3. SUBSTANTIAL

SEMESTER-V

Architectural Design 5

COURSE OUTCOMES:

CO1: Students will be able to observe and document architectural and urban characteristics through direct field exposure to diverse built environments.

CO2: Students will be able to analyze and interpret spatial organization, materials, and construction techniques of visited sites.

CO3: Students will be able to evaluate and compare design approaches, cultural influences, and sustainability aspects across different architectural contexts.

CO4: Students will be able to synthesize and relate on-site experiences with theoretical and studio learnings.

CO5: Students will be able to prepare and present detailed reports, sketches, and visual documentation that communicate design insights effectively.

MAPPING OF COs WITH POs AND PSOs

COURSE OUTCOMES	PROGRAMME OUTCOMES											PROGRAMME SPECIFIC OUTCOMES		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PSO1	PSO2	PSO3
CO1	3	2	2	1	1	2	3	2	2	3	3	2	3	1
CO2	3	3	3	2	2	3	3	2	2	3	2	2	3	1
CO3	2	3	3	2	2	2	3	2	2	3	3	2	3	1
CO4	2	2	2	2	2	2	3	2	2	3	2	2	3	1
CO5	3	3	3	2	2	3	3	2	2	2	3	2	3	1

1. LOW

2. MODERATE

3. SUBSTANTIAL

Contemporary Architecture

COURSE OUTCOMES:

CO1: Students will be able to list prominent movements and trends in post-industrial and global contemporary architecture.

CO2: Students will be able to interpret the architectural language of contemporary buildings within cultural and technological contexts.

CO3: Students will be able to analyze architectural works for innovation in form, materiality, and construction systems.

CO4: Students will be able to assess contemporary architectural practices for their relevance to sustainable and inclusive design.

CO5: Students will be able to construct critical essays or visual presentations that explore key themes in contemporary architecture.

MAPPING OF COs WITH POs AND PSOs

COURSE OUTCOMES	PROGRAMME OUTCOMES											PROGRAMME SPECIFIC OUTCOMES		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PSO1	PSO2	PSO3
CO1	3	2	2	1	1	2	3	2	2	3	3	2	3	1
CO2	3	3	3	2	2	3	3	2	2	3	3	2	3	1
CO3	3	3	3	2	2	3	3	2	2	3	3	2	3	1
CO4	3	3	3	2	2	3	3	2	2	3	3	2	3	1
CO5	3	3	3	2	2	3	3	2	2	3	3	2	3	1

1. LOW 2. MODERATE 3. SUBSTANTIAL

Site Planning & Landscape Architecture 2

COURSE OUTCOMES:

CO1: Students will be able to define terminology and components related to site planning and landscape elements.

CO2: Students will be able to use site data and analysis techniques to generate functional site layouts.

CO3: Students will be able to distinguish site opportunities and constraints to support environmental integration.

CO4: Students will be able to judge the ecological and aesthetic value of landscape design proposals.

CO5: Students will be able to design site and landscape layouts that respond to topography, vegetation, and microclimate.



MAPPING OF COs WITH POs AND PSOs

COURSE OUTCOMES	PROGRAMME OUTCOMES											PROGRAMME SPECIFIC OUTCOMES		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PSO1	PSO2	PSO3
CO1	3	2	2	1	1	2	3	2	2	3	3	2	3	1
CO2	3	3	3	2	2	3	3	2	2	3	2	2	3	1
CO3	2	3	3	2	2	2	3	2	2	3	3	2	3	1
CO4	2	2	2	2	2	2	3	2	2	3	2	2	3	1
CO5	3	3	3	2	2	3	3	2	2	2	3	2	3	1

1. LOW

2. MODERATE

3. SUBSTANTIAL

Building Materials & Construction 5

COURSE OUTCOMES:

CO1: Students will be able to list modern construction materials and building techniques applicable to framed structures.

CO2: Students will be able to implement advanced construction methods in framing, roofing, and foundation systems.

CO3: Students will be able to examine construction sequencing and joint detailing for material compatibility and performance.

CO4: Students will be able to appraise materials and methods based on structural, thermal, and economic efficiency.

CO5: Students will be able to formulate detailed construction drawings and specifications for multi-story structures.

MAPPING OF COs WITH POs AND PSOs

COURSE OUTCOMES	PROGRAMME OUTCOMES											PROGRAMME SPECIFIC OUTCOMES		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PSO1	PSO2	PSO3
CO1	3	2	2	1	1	2	3	2	2	3	3	2	3	1
CO2	3	3	3	2	2	3	3	2	2	3	3	2	3	1
CO3	3	3	3	2	2	3	3	2	2	3	3	2	3	1
CO4	3	3	3	2	2	3	3	2	2	3	3	2	3	1
CO5	3	3	3	2	2	3	3	2	2	3	3	2	3	1

1. LOW

2. MODERATE

3. SUBSTANTIAL



Building Services 2

COURSE OUTCOMES:

CO1: Students will be able to identify essential electrical and mechanical service systems in buildings.

CO2: Students will be able to apply standards for electrical, HVAC, and vertical transport in mid-rise buildings.

CO3: Students will be able to analyze spatial and performance requirements for integration of services in design.

CO4: Students will be able to compare alternative building systems based on energy use and lifecycle cost.

CO5: Students will be able to design coordinated layouts for electrical, HVAC, and lift systems in building plans.

MAPPING OF COs WITH POs AND PSOs

COURSE OUTCOMES	PROGRAMME OUTCOMES											PROGRAMME SPECIFIC OUTCOMES		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PSO1	PSO2	PSO3
CO1	3	2	2	1	1	2	3	2	2	3	3	2	3	1
CO2	3	3	3	2	2	3	3	2	2	3	2	2	3	1
CO3	2	3	3	2	2	2	3	2	2	3	3	2	3	1
CO4	2	2	2	2	2	2	3	2	2	3	2	2	3	1
CO5	3	3	3	2	2	3	3	2	2	2	3	2	3	1

1. LOW

2. MODERATE

3. SUBSTANTIAL

Structural Design & Systems 3

COURSE OUTCOMES:

CO1: Students will be able to recall formulas and code-based criteria for RCC and steel structures.

CO2: Students will be able to solve design problems related to slabs, beams, and columns using limit state methods.

CO3: Students will be able to examine structural systems for lateral stability, load transfer, and deflection control.



CO4: Students will be able to assess structural safety and performance under different loading conditions.

CO5: Students will be able to develop structural drawings and calculations for RCC and composite structural members.

MAPPING OF COs WITH POs AND PSOs

COURSE OUTCOMES	PROGRAMME OUTCOMES											PROGRAMME SPECIFIC OUTCOMES		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PSO1	PSO2	PSO3
CO1	3	2	2	1	1	2	3	2	2	3	3	2	3	1
CO2	3	3	3	2	2	3	3	2	2	3	3	2	3	1
CO3	3	3	3	2	2	3	3	2	2	3	3	2	3	1
CO4	3	3	3	2	2	3	3	2	2	3	3	2	3	1
CO5	3	3	3	2	2	3	3	2	2	3	3	2	3	1

1. LOW

2. MODERATE

3. SUBSTANTIAL

Climatology

COURSE OUTCOMES:

CO1: Students will be able to define climatic zones and their impact on building design parameters.

CO2: Students will be able to apply principles of passive design to reduce heat gain and energy use in buildings.

CO3: Students will be able to analyze sun path diagrams and wind patterns for orientation and envelope design.

CO4: Students will be able to evaluate building performance based on thermal comfort and ventilation metrics.

CO5: Students will be able to propose climate-responsive architectural solutions for various geographic zones.

MAPPING OF COs WITH POs AND PSOs

COURSE OUTCOMES	PROGRAMME OUTCOMES											PROGRAMME SPECIFIC OUTCOMES		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PSO1	PSO2	PSO3



CO1	3	2	2	1	1	2	3	2	2	3	3	2	3	1
CO2	3	3	3	2	2	3	3	2	2	3	2	2	3	1
CO3	2	3	3	2	2	2	3	2	2	3	3	2	3	1
CO4	2	2	2	2	2	2	3	2	2	3	2	2	3	1
CO5	3	3	3	2	2	3	3	2	2	2	3	2	3	1

1. LOW

2. MODERATE

3. SUBSTANTIAL

Elective 1 - Option 1-Theory of Architecture and Design (Design Thinking)

COURSE OUTCOMES:

CO1: Students will be able to recall key frameworks and principles of design thinking in architecture.

CO2: Students will be able to use human-centered approaches to frame architectural problems creatively.

CO3: Students will be able to differentiate between divergent and convergent thinking in the design process.

CO4: Students will be able to critique architectural case studies through the lens of design thinking models.

CO5: Students will be able to generate innovative conceptual responses using iterative and collaborative design strategies.

MAPPING OF COs WITH POs AND PSOs

COURSE OUTCOMES	PROGRAMME OUTCOMES											PROGRAMME SPECIFIC OUTCOMES		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PSO1	PSO2	PSO3
CO1	3	2	2	1	1	2	3	2	2	3	3	2	3	1
CO2	3	3	3	2	2	3	3	2	2	3	3	2	3	1
CO3	3	3	3	2	2	3	3	2	2	3	3	2	3	1
CO4	3	3	3	2	2	3	3	2	2	3	3	2	3	1
CO5	3	3	3	2	2	3	3	2	2	3	3	2	3	1

1. LOW

2. MODERATE

3. SUBSTANTIAL

Elective 1 - Option 2-Architectural Journalism



COURSE OUTCOMES:

CO1: Students will be able to recognize fundamental tools and media used in architectural writing and communication.

CO2: Students will be able to apply journalistic writing techniques to convey architectural ideas clearly.

CO3: Students will be able to analyze buildings, spaces, or events to construct critical narratives.

CO4: Students will be able to assess published architectural writing for objectivity, depth, and relevance.

CO5: Students will be able to compose original articles, blogs, or critiques that interpret architecture for the public.

MAPPING OF COs WITH POs AND PSOs

COURSE OUTCOMES	PROGRAMME OUTCOMES											PROGRAMME SPECIFIC OUTCOMES		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PSO1	PSO2	PSO3
CO1	3	2	2	1	1	2	3	2	2	3	3	2	3	1
CO2	3	3	3	2	2	3	3	2	2	3	2	2	3	1
CO3	2	3	3	2	2	2	3	2	2	3	3	2	3	1
CO4	2	2	2	2	2	2	3	2	2	3	2	2	3	1
CO5	3	3	3	2	2	3	3	2	2	2	3	2	3	1

1. LOW 2. MODERATE 3. SUBSTANTIAL

SEMESTER-VI

Architectural Design 6

COURSE OUTCOMES:

CO1: Students will be able to identify and interpret complex architectural problems considering social, environmental, and technological parameters.

CO2: Students will be able to analyze and integrate urban context, user requirements, and sustainability principles in design development.

CO3: Students will be able to apply and synthesize advanced design methods, structural logic, and building services into cohesive architectural solutions.

CO4: Students will be able to evaluate and refine design alternatives using critical thinking, simulation tools, and performance assessments.

CO5: Students will be able to create and present comprehensive design proposals through drawings, models, and digital media demonstrating innovation and professional competence.

MAPPING OF COs WITH POs AND PSOs

COURSE OUTCOMES	PROGRAMME OUTCOMES											PROGRAMME SPECIFIC OUTCOMES		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PSO1	PSO2	PSO3
CO1	3	2	2	1	1	2	3	2	2	3	3	2	3	1
CO2	3	3	3	2	2	3	3	2	2	3	3	2	3	1
CO3	3	3	3	2	2	3	3	2	2	3	3	2	3	1
CO4	3	3	3	2	2	3	3	2	2	3	3	2	3	1
CO5	3	3	3	2	2	3	3	2	2	3	3	2	3	1

1. LOW

2. MODERATE

3. SUBSTANTIAL

Architectural Planning Paradigms

COURSE OUTCOMES:

CO1: Students will be able to identify and explain key planning theories, models, and paradigms that have influenced architectural thought and practice.

CO2: Students will be able to analyze and interpret spatial, social, and economic factors that shape architectural and urban planning decisions.

CO3: Students will be able to compare and evaluate traditional and contemporary planning approaches in relation to cultural and environmental contexts.

CO4: Students will be able to synthesize and integrate theoretical frameworks to formulate informed architectural planning strategies.

CO5: Students will be able to develop and present context-responsive planning concepts through analytical writing, diagrams, and design exercises.

MAPPING OF COs WITH POs AND PSOs

COURSE OUTCOMES	PROGRAMME OUTCOMES											PROGRAMME SPECIFIC OUTCOMES		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PSO1	PSO2	PSO3
CO1	3	2	2	1	1	2	3	2	2	3	3	2	3	1
CO2	3	3	3	2	2	3	3	2	2	3	2	2	3	1
CO3	2	3	3	2	2	2	3	2	2	3	3	2	3	1
CO4	2	2	2	2	2	2	3	2	2	3	2	2	3	1
CO5	3	3	3	2	2	3	3	2	2	2	3	2	3	1

1. LOW

2. MODERATE

3. SUBSTANTIAL

Building Services 3

COURSE OUTCOMES:

CO1: Students will be able to identify and describe advanced building service systems related to electrical, HVAC, and fire safety installations.

CO2: Students will be able to analyze and interpret the functioning and integration of mechanical and electrical systems within architectural design.

CO3: Students will be able to apply and design efficient layouts for lighting, ventilation, air-conditioning, and fire protection systems in various building types.



CO4: Students will be able to evaluate and select appropriate service technologies considering energy efficiency, sustainability, and user comfort.

CO5: Students will be able to integrate and coordinate building services with structural and spatial design components through detailed drawings and digital simulations.

MAPPING OF COs WITH POs AND PSOs

COURSE OUTCOMES	PROGRAMME OUTCOMES											PROGRAMME SPECIFIC OUTCOMES		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PSO1	PSO2	PSO3
CO1	3	2	2	1	1	2	3	2	2	3	3	2	3	1
CO2	3	3	3	2	2	3	3	2	2	3	3	2	3	1
CO3	3	3	3	2	2	3	3	2	2	3	3	2	3	1
CO4	3	3	3	2	2	3	3	2	2	3	3	2	3	1
CO5	3	3	3	2	2	3	3	2	2	3	3	2	3	1

1. LOW

2. MODERATE

3. SUBSTANTIAL

Advanced Structures

COURSE OUTCOMES:

CO1: Students will be able to identify and explain advanced structural systems such as shells, space frames, tensile, and high-rise structures used in contemporary architecture.

CO2: Students will be able to analyze and compute load distribution, behavior, and performance of complex structural forms under various conditions.

CO3: Students will be able to apply and synthesize principles of material science and structural mechanics to innovative architectural designs.

CO4: Students will be able to evaluate and compare alternative structural solutions based on efficiency, stability, and aesthetic expression.

CO5: Students will be able to integrate and demonstrate structural concepts through models, simulations, and detailed design documentation.



MAPPING OF COs WITH POs AND PSOs

COURSE OUTCOMES	PROGRAMME OUTCOMES											PROGRAMME SPECIFIC OUTCOMES		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PSO1	PSO2	PSO3
CO1	3	2	2	1	1	2	3	2	2	3	3	2	3	1
CO2	3	3	3	2	2	3	3	2	2	3	2	2	3	1
CO3	2	3	3	2	2	2	3	2	2	3	3	2	3	1
CO4	2	2	2	2	2	2	3	2	2	3	2	2	3	1
CO5	3	3	3	2	2	3	3	2	2	2	3	2	3	1

1. LOW

2. MODERATE

3. SUBSTANTIAL

Building Materials & Construction 6

COURSE OUTCOMES:

CO1: Students will be able to identify and describe advanced and innovative construction materials, systems, and technologies used in modern architecture.

CO2: Students will be able to analyze and interpret construction methods for high-rise, long-span, and specialized structures.

CO3: Students will be able to apply and detail complex construction techniques involving prefabrication, modular systems, and sustainable materials.

CO4: Students will be able to evaluate and compare alternative materials and construction systems based on performance, economy, and environmental impact.

CO5: Students will be able to develop and illustrate complete working drawings and technical documentation demonstrating construction integration and execution clarity.

MAPPING OF COs WITH POs AND PSOs

COURSE OUTCOMES	PROGRAMME OUTCOMES	PROGRAMME SPECIFIC OUTCOMES
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ES	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PSO1	PSO2	PSO3
CO1	3	2	2	1	1	2	3	2	2	3	3	2	3	1
CO2	3	3	3	2	2	3	3	2	2	3	3	2	3	1
CO3	3	3	3	2	2	3	3	2	2	3	3	2	3	1
CO4	3	3	3	2	2	3	3	2	2	3	3	2	3	1
CO5	3	3	3	2	2	3	3	2	2	3	3	2	3	1

1. LOW

2. MODERATE

3. SUBSTANTIAL

Elective 2 - Option 2: Vernacular Architecture

COURSE OUTCOMES:

CO1: Students will be able to identify and describe the principles, materials, and techniques that define vernacular architecture across different regions.

CO2: Students will be able to analyze and interpret how climate, culture, and local resources influence traditional building forms and settlement patterns.

CO3: Students will be able to evaluate and compare vernacular design approaches in terms of functionality, sustainability, and cultural expression.

CO4: Students will be able to synthesize and adapt vernacular principles into contemporary architectural design practices.

CO5: Students will be able to document and present vernacular case studies through drawings, models, and analytical reports that highlight contextual and ecological wisdom

MAPPING OF COs WITH POs AND PSOs

COURSE OUTCOMES	PROGRAMME OUTCOMES											PROGRAMME SPECIFIC OUTCOMES		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PSO1	PSO2	PSO3
CO1	3	2	2	1	1	2	3	2	2	3	3	2	3	1
CO2	3	3	3	2	2	3	3	2	2	3	2	2	3	1
CO3	2	3	3	2	2	2	3	2	2	3	3	2	3	1
CO4	2	2	2	2	2	2	3	2	2	3	2	2	3	1
CO5	3	3	3	2	2	3	3	2	2	2	3	2	3	1

1. LOW

2. MODERATE

3. SUBSTANTIAL

Educational Tour 3

COURSE OUTCOMES:

CO1: Students will be able to observe and record architectural, structural, and cultural characteristics of diverse built environments through on-site exposure.

CO2: Students will be able to analyze and interpret the design logic, material usage, and spatial organization of visited projects.

CO3: Students will be able to evaluate and compare architectural practices, construction methods, and planning approaches across regions.

CO4: Students will be able to synthesize and relate practical site experiences to theoretical and studio learnings.

CO5: Students will be able to prepare and present comprehensive reports, drawings, and visual documentation demonstrating critical observation and design insight.

MAPPING OF COs WITH POs AND PSOs

COURSE OUTCOMES	PROGRAMME OUTCOMES											PROGRAMME SPECIFIC OUTCOMES		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PSO1	PSO2	PSO3
CO1	3	2	2	1	1	2	3	2	2	3	3	2	3	1
CO2	3	3	3	2	2	3	3	2	2	3	3	2	3	1
CO3	3	3	3	2	2	3	3	2	2	3	3	2	3	1
CO4	3	3	3	2	2	3	3	2	2	3	3	2	3	1
CO5	3	3	3	2	2	3	3	2	2	3	3	2	3	1

1. LOW

2. MODERATE

3. SUBSTANTIAL

SEMESTER-VII

Architectural Design 7

COURSE OUTCOMES:

CO1: Students will be able to recall urban and institutional design typologies and their spatial requirements.

CO2: Students will be able to develop architectural design solutions for complex public or institutional projects.

CO3: Students will be able to analyze user behavior, functional relationships, and site dynamics in large-scale design.

CO4: Students will be able to evaluate design strategies for social, environmental, and cultural responsiveness.

CO5: Students will be able to compose detailed architectural presentations incorporating drawings, models, and digital media.

MAPPING OF COs WITH POs AND PSOs

COURSE OUTCOMES	PROGRAMME OUTCOMES											PROGRAMME SPECIFIC OUTCOMES		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PSO1	PSO2	PSO3
CO1	3	2	2	1	1	2	3	2	2	3	3	2	3	1
CO2	3	3	3	2	2	3	3	2	2	3	2	2	3	1
CO3	2	3	3	2	2	2	3	2	2	3	3	2	3	1
CO4	2	2	2	2	2	2	3	2	2	3	2	2	3	1
CO5	3	3	3	2	2	3	3	2	2	2	3	2	3	1

1. LOW

2. MODERATE

3. SUBSTANTIAL

Working Drawing and Documentation

COURSE OUTCOMES:

CO1: Students will be able to identify and interpret the conventions, symbols, and standards used in professional working drawings.

CO2: Students will be able to analyze and organize architectural, structural, and service components into coordinated drawing sets.

CO3: Students will be able to apply and prepare detailed working drawings, including plans, sections, elevations, and joinery details for execution.

CO4: Students will be able to evaluate and ensure accuracy, clarity, and compliance of drawings with building codes and construction practices.

CO5: Students will be able to compile and present complete project documentation integrating drawings, schedules, and specifications for professional submission.

MAPPING OF COs WITH POs AND PSOs

COURSE OUTCOMES	PROGRAMME OUTCOMES											PROGRAMME SPECIFIC OUTCOMES		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PSO1	PSO2	PSO3
CO1	3	2	2	1	1	2	3	2	2	3	3	2	3	1
CO2	3	3	3	2	2	3	3	2	2	3	3	2	3	1
CO3	3	3	3	2	2	3	3	2	2	3	3	2	3	1
CO4	3	3	3	2	2	3	3	2	2	3	3	2	3	1
CO5	3	3	3	2	2	3	3	2	2	3	3	2	3	1

1. LOW

2. MODERATE

3. SUBSTANTIAL

Specification, Cost Estimation & Budgeting

COURSE OUTCOMES:

CO1: Students will be able to identify and describe the principles and components of specification writing, cost estimation, and budgeting in construction projects.

CO2: Students will be able to analyze and interpret quantities, materials, and labor requirements for different building components.

CO3: Students will be able to apply and compute detailed estimates, rate analysis, and cost breakdowns using standard methods and schedules.



CO4: Students will be able to evaluate and assess project costs, budget allocations, and financial feasibility for architectural projects.

CO5: Students will be able to prepare and compile comprehensive tender documents, specifications, and cost reports aligned with professional standards.

MAPPING OF COs WITH POs AND PSOs

COURSE OUTCOMES	PROGRAMME OUTCOMES											PROGRAMME SPECIFIC OUTCOMES		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PSO1	PSO2	PSO3
CO1	3	2	2	1	1	2	3	2	2	3	3	2	3	1
CO2	3	3	3	2	2	3	3	2	2	3	3	2	3	1
CO3	3	3	3	2	2	3	3	2	2	3	3	2	3	1
CO4	3	3	3	2	2	3	3	2	2	3	3	2	3	1
CO5	3	3	3	2	2	3	3	2	2	3	3	2	3	1

1. LOW

2. MODERATE

3. SUBSTANTIAL

Building Services 4

COURSE OUTCOMES:

CO1: Students will be able to recognize advanced building systems such as fire safety, acoustics, and security systems.

CO2: Students will be able to classify building layouts integrating complex service systems in high-rise or public buildings.

CO3: Students will be able to analyze requirements of fire escape routes, acoustic treatments, and access control systems.

CO4: Students will be able to appraise service integration strategies for safety, functionality, and efficiency.

CO5: Students will be able to compile coordinated service layouts with compliance to building codes and standards.

MAPPING OF COs WITH POs AND PSOs



COURSE OUTCOMES	PROGRAMME OUTCOMES											PROGRAMME SPECIFIC OUTCOMES		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PSO1	PSO2	PSO3
CO1	3	2	2	1	1	2	3	2	2	3	3	2	3	1
CO2	3	3	3	2	2	3	3	2	2	3	2	2	3	1
CO3	2	3	3	2	2	2	3	2	2	3	3	2	3	1
CO4	2	2	2	2	2	2	3	2	2	3	2	2	3	1
CO5	3	3	3	2	2	3	3	2	2	2	3	2	3	1

1. LOW

2. MODERATE

3. SUBSTANTIAL

Urban Design

COURSE OUTCOMES:

CO1: Students will be able to list key theories and elements of urban design.

CO2: Students will be able to apply urban design principles to shape the form, scale, and function of public spaces.

CO3: Students will be able to analyze physical and socio-economic patterns in existing urban contexts.

CO4: Students will be able to evaluate urban design proposals for livability, accessibility, and environmental impact.

CO5: Students will be able to create urban design schemes through maps, drawings, and 3D visualizations.

MAPPING OF COs WITH POs AND PSOs

COURSE OUTCOMES	PROGRAMME OUTCOMES											PROGRAMME SPECIFIC OUTCOMES		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PSO1	PSO2	PSO3
CO1	3	2	2	1	1	2	3	2	2	3	3	2	3	1
CO2	3	3	3	2	2	3	3	2	2	3	3	2	3	1
CO3	3	3	3	2	2	3	3	2	2	3	3	2	3	1
CO4	3	3	3	2	2	3	3	2	2	3	3	2	3	1
CO5	3	3	3	2	2	3	3	2	2	3	3	2	3	1

1. LOW

2. MODERATE

3. SUBSTANTIAL

Project Management

COURSE OUTCOMES:

CO1: Students will be able to define the stages of architectural project planning and execution.

CO2: Students will be able to use project management tools to manage overall progress of project.

CO3: Students will be able to analyze roles and responsibilities of stakeholders in construction management.

CO4: Students will be able to evaluate risks, delays, and cost overruns in project implementation.

CO5: Students will be able to prepare detailed project plan including timelines, budgets, and documentation protocols.

MAPPING OF COs WITH POs AND PSOs

COURSE OUTCOMES	PROGRAMME OUTCOMES											PROGRAMME SPECIFIC OUTCOMES		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PSO1	PSO2	PSO3
CO1	3	2	2	1	1	2	3	2	2	3	3	2	3	1
CO2	3	3	3	2	2	3	3	2	2	3	3	2	3	1
CO3	3	3	3	2	2	3	3	2	2	3	3	2	3	1
CO4	3	3	3	2	2	3	3	2	2	3	3	2	3	1
CO5	3	3	3	2	2	3	3	2	2	3	3	2	3	1
1. LOW 2. MODERATE 3. SUBSTANTIAL														

Interior Design

COURSE OUTCOMES:

CO1: Students will be able to recall basic elements and principles of interior design.

CO2: Students will be able to develop interior design layout incorporating furniture, lighting, and materials.

CO3: Students will be able to analyze spatial quality and functionality of interior environments.

CO4: Students will be able to evaluate design choices based on ergonomics, user needs, and aesthetics.



CO5: Students will be able to compose detailed interior presentation boards and working drawings.

MAPPING OF COs WITH POs AND PSOs

COURSE OUTCOMES	PROGRAMME OUTCOMES											PROGRAMME SPECIFIC OUTCOMES		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PSO1	PSO2	PSO3
CO1	3	2	2	1	1	2	3	2	2	3	3	2	3	1
CO2	3	3	3	2	2	3	3	2	2	3	2	2	3	1
CO3	2	3	3	2	2	2	3	2	2	3	3	2	3	1
CO4	2	2	2	2	2	2	3	2	2	3	2	2	3	1
CO5	3	3	3	2	2	3	3	2	2	2	3	2	3	1

1. LOW

2. MODERATE

3. SUBSTANTIAL

AI in Architecture

COURSE OUTCOMES:

CO1: Students will be able to identify the role of AI tools and techniques in architectural design and decision-making.

CO2: Students will be able to apply AI-based methods for form generation, performance simulation, or user pattern analysis.

CO3: Students will be able to examine the use of machine learning and generative design in solving spatial problems.

CO4: Students will be able to assess the ethical and practical implications of AI in architectural workflows.

CO5: Students will be able to construct experimental design workflows using AI-enabled platforms or scripting tools.

MAPPING OF COs WITH POs AND PSOs

COURSE OUTCOMES	PROGRAMME OUTCOMES											PROGRAMME SPECIFIC OUTCOMES		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PSO1	PSO2	PSO3
CO1	3	2	2	1	1	2	3	2	2	3	3	2	3	1
CO2	3	3	3	2	2	3	3	2	2	3	3	2	3	1
CO3	3	3	3	2	2	3	3	2	2	3	3	2	3	1
CO4	3	3	3	2	2	3	3	2	2	3	3	2	3	1



CO5	3	3	3	2	2	3	3	2	2	3	3	2	3	1
	1. LOW			2. MODERATE			3. SUBSTANTIAL							

Interior Design

COURSE OUTCOMES:

CO1: Students will be able to recall basic elements and principles of interior design.

CO2: Students will be able to develop interior design layout incorporating furniture, lighting, and materials.

CO3: Students will be able to analyze spatial quality and functionality of interior environments.

CO4: Students will be able to evaluate design choices based on ergonomics, user needs, and aesthetics.

CO5: Students will be able to compose detailed interior presentation boards and working drawings.

MAPPING OF COs WITH POs AND PSOs

COURSE OUTCOMES	PROGRAMME OUTCOMES											PROGRAMME SPECIFIC OUTCOMES		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PSO1	PSO2	PSO3
CO1	3	2	2	1	1	2	3	2	2	3	3	2	3	1
CO2	3	3	3	2	2	3	3	2	2	3	2	2	3	1
CO3	2	3	3	2	2	2	3	2	2	3	3	2	3	1
CO4	2	2	2	2	2	2	3	2	2	3	2	2	3	1
CO5	3	3	3	2	2	3	3	2	2	2	3	2	3	1
	1. LOW			2. MODERATE			3. SUBSTANTIAL							

Elective 3 - Option 1: Building System Integration and Management

COURSE OUTCOMES:

CO1: Students will be able to identify types of building systems and their coordination requirements.

CO2: Students will be able to integrate structural, mechanical, and electrical systems within architectural designs.

CO3: Students will be able to diagnose conflicts between building systems using clash detection and review tools.



CO4: Students will be able to assess performance criteria for integrated building systems in terms of energy and operation.

CO5: Students will be able to develop system integration diagrams and coordination plans using BIM and allied software.

MAPPING OF COs WITH POs AND PSOs

COURSE OUTCOMES	PROGRAMME OUTCOMES											PROGRAMME SPECIFIC OUTCOMES		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PSO1	PSO2	PSO3
CO1	3	2	2	1	1	2	3	2	2	3	3	2	3	1
CO2	3	3	3	2	2	3	3	2	2	3	3	2	3	1
CO3	3	3	3	2	2	3	3	2	2	3	3	2	3	1
CO4	3	3	3	2	2	3	3	2	2	3	3	2	3	1
CO5	3	3	3	2	2	3	3	2	2	3	3	2	3	1

1. LOW

2. MODERATE

3. SUBSTANTIAL

Elective 3 - Option 2: Disaster Management

COURSE OUTCOMES:

CO1: Students will be able to list types of natural and man-made disasters affecting built environments.

CO2: Students will be able to apply principles of disaster-resilient planning in architectural design.

CO3: Students will be able to analyze risk-prone zones and vulnerability in urban and rural settlements.

CO4: Students will be able to evaluate post-disaster response strategies and building codes for safety.

CO5: Students will be able to design context-sensitive, disaster-resilient structures or mitigation plans.

MAPPING OF COs WITH POs AND PSOs

COURSE OUTCOMES	PROGRAMME OUTCOMES											PROGRAMME SPECIFIC OUTCOMES		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PSO1	PSO2	PSO3
CO1	3	2	2	1	1	2	3	2	2	3	3	2	3	1
CO2	3	3	3	2	2	3	3	2	2	3	3	2	3	1



CO3	3	3	3	2	2	3	3	2	2	3	3	2	3	1
CO4	3	3	3	2	2	3	3	2	2	3	3	2	3	1
CO5	3	3	3	2	2	3	3	2	2	3	3	2	3	1

1. LOW

2. MODERATE

3. SUBSTANTIAL

SEMESTER-VIII

Practical Training / Internship for Entire Semester

COURSE OUTCOMES:

CO1: Students will be able to observe and interpret professional practices, workflows, and organizational structures within architectural firms or related industries.

CO2: Students will be able to analyze and apply theoretical knowledge from academics to real-life design, documentation, and project management tasks.

CO3: Students will be able to participate and contribute to various stages of project development, including design conceptualization, detailing, and site coordination.

CO4: Students will be able to evaluate and reflect on professional ethics, teamwork, client interactions, and problem-solving approaches encountered during practice.

CO5: Students will be able to compile and present a detailed internship portfolio documenting professional experiences, learning outcomes, and skill development.

MAPPING OF COs WITH POs AND PSOs

COURSE OUTCOMES	PROGRAMME OUTCOMES											PROGRAMME SPECIFIC OUTCOMES		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PSO1	PSO2	PSO3
CO1	3	2	2	1	1	2	3	2	2	3	3	2	3	1
CO2	3	3	3	2	2	3	3	2	2	3	2	2	3	1
CO3	2	3	3	2	2	2	3	2	2	3	3	2	3	1
CO4	2	2	2	2	2	2	3	2	2	3	2	2	3	1
CO5	3	3	3	2	2	3	3	2	2	2	3	2	3	1

1. LOW

2. MODERATE

3. SUBSTANTIAL

SEMESTER-IX

Architectural Design 8

COURSE OUTCOMES:

CO1: Students will be able to recall advanced design principles relevant to large-scale urban or institutional projects.

CO2: Students will be able to integrate complex programmatic, structural, and environmental requirements into design proposals.

CO3: Students will be able to analyze design problems in multifaceted urban contexts with emphasis on user behavior and context sensitivity.

CO4: Students will be able to evaluate design solutions through critique sessions and performance analysis tools.

CO5: Students will be able to formulate comprehensive architectural projects demonstrating conceptual clarity and technical proficiency.

MAPPING OF COs WITH POs AND PSOs

COURSE OUTCOMES	PROGRAMME OUTCOMES											PROGRAMME SPECIFIC OUTCOMES		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PSO1	PSO2	PSO3
CO1	3	2	2	1	1	2	3	2	2	3	3	2	3	1
CO2	3	3	3	2	2	3	3	2	2	3	3	2	3	1
CO3	3	3	3	2	2	3	3	2	2	3	3	2	3	1
CO4	3	3	3	2	2	3	3	2	2	3	3	2	3	1
CO5	3	3	3	2	2	3	3	2	2	3	3	2	3	1

1. LOW

2. MODERATE

3. SUBSTANTIAL

Research Methodology & Dissertation

COURSE OUTCOMES:

CO1: Students will be able to identify key concepts and techniques in architectural research methodology.

CO2: Students will be able to apply appropriate research methods to define architectural problems and hypotheses.

CO3: Students will be able to analyze data using qualitative and quantitative techniques for deriving meaningful inferences.



CO4: Students will be able to evaluate architectural literature and precedents for relevance and validity in research framing.

CO5: Students will be able to produce a research dissertation demonstrating clarity, rigor, and architectural relevance.

MAPPING OF COs WITH POs AND PSOs

COURSE OUTCOMES	PROGRAMME OUTCOMES											PROGRAMME SPECIFIC OUTCOMES		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PSO1	PSO2	PSO3
CO1	3	2	2	1	1	2	3	2	2	3	3	2	3	1
CO2	3	3	3	2	2	3	3	2	2	3	2	2	3	1
CO3	2	3	3	2	2	2	3	2	2	3	3	2	3	1
CO4	2	2	2	2	2	2	3	2	2	3	2	2	3	1
CO5	3	3	3	2	2	3	3	2	2	2	3	2	3	1

1. LOW

2. MODERATE

3. SUBSTANTIAL

Professional Practice

COURSE OUTCOMES:

CO1: Students will be able to recognize the roles, responsibilities, and legal obligations of an architect in professional practice.

CO2: Students will be able to apply relevant laws, codes, and contracts in real-world architectural scenarios.

CO3: Students will be able to analyze professional and ethical challenges in client, contractor, and consultant relationships.

CO4: Students will be able to assess project management strategies including tendering, billing, and quality control.

CO5: Students will be able to prepare professional documentation including agreements, certificates, and billing formats.

MAPPING OF COs WITH POs AND PSOs

COURSE OUTCOMES	PROGRAMME OUTCOMES											PROGRAMME SPECIFIC OUTCOMES		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PSO1	PSO2	PSO3
CO1	3	2	2	1	1	2	3	2	2	3	3	2	3	1
CO2	3	3	3	2	2	3	3	2	2	3	3	2	3	1



CO3	3	3	3	2	2	3	3	2	2	3	3	2	3	1
CO4	3	3	3	2	2	3	3	2	2	3	3	2	3	1
CO5	3	3	3	2	2	3	3	2	2	3	3	2	3	1

1. LOW

2. MODERATE

3. SUBSTANTIAL

Elective 4 – Option 1: Housing

COURSE OUTCOMES:

CO1: Students will be able to define typologies and components of housing and residential planning.

CO2: Students will be able to develop housing design proposals responding to socio-economic and cultural parameters.

CO3: Students will be able to analyze housing policies, layout regulations, and site planning techniques.

CO4: Students will be able to evaluate housing schemes in terms of affordability, livability, and environmental quality.

CO5: Students will be able to design inclusive and sustainable housing solutions at neighborhood and urban scale.

MAPPING OF COs WITH POs AND PSOs

COURSE OUTCOMES	PROGRAMME OUTCOMES											PROGRAMME SPECIFIC OUTCOMES		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PSO1	PSO2	PSO3
CO1	3	2	2	1	1	2	3	2	2	3	3	2	3	1
CO2	3	3	3	2	2	3	3	2	2	3	2	2	3	1
CO3	2	3	3	2	2	2	3	2	2	3	3	2	3	1
CO4	2	2	2	2	2	2	3	2	2	3	2	2	3	1
CO5	3	3	3	2	2	3	3	2	2	2	3	2	3	1

1. LOW

2. MODERATE

3. SUBSTANTIAL

Elective 4 - Option 2: Real Estate Management

COURSE OUTCOMES:

CO1: Students will be able to list major components and stakeholders in real estate development.



CO2: Students will be able to apply principles of market analysis, feasibility, and property evaluation in real estate planning.

CO3: Students will be able to analyze economic trends and legal frameworks affecting real estate growth.

CO4: Students will be able to assess project viability using financial indicators and risk analysis.

CO5: Students will be able to develop real estate project reports incorporating planning, costing, and investment strategies.

MAPPING OF COs WITH POs AND PSOs

COURSE OUTCOMES	PROGRAMME OUTCOMES											PROGRAMME SPECIFIC OUTCOMES		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PSO1	PSO2	PSO3
CO1	3	2	2	1	1	2	3	2	2	3	3	2	3	1
CO2	3	3	3	2	2	3	3	2	2	3	3	2	3	1
CO3	3	3	3	2	2	3	3	2	2	3	3	2	3	1
CO4	3	3	3	2	2	3	3	2	2	3	3	2	3	1
CO5	3	3	3	2	2	3	3	2	2	3	3	2	3	1

1. LOW

2. MODERATE

3. SUBSTANTIAL

Elective 5 - Option 1: Glass & Steel Architecture

COURSE OUTCOMES:

CO1: Students will be able to identify characteristics of glass and steel as modern architectural materials.

CO2: Students will be able to use structural and detailing systems for glass and steel in architectural applications.

CO3: Students will be able to analyze energy, safety, and acoustical performance of steel and glass assemblies.

CO4: Students will be able to evaluate iconic projects based on innovation in material use and construction.

CO5: Students will be able to create architectural concepts emphasizing expressive use of glass and steel systems.

MAPPING OF COs WITH POs AND PSOs

COURSE OUTCOMES	PROGRAMME OUTCOMES											PROGRAMME SPECIFIC OUTCOMES		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PSO1	PSO2	PSO3
CO1	3	2	2	1	1	2	3	2	2	3	3	2	3	1
CO2	3	3	3	2	2	3	3	2	2	3	2	2	3	1
CO3	2	3	3	2	2	2	3	2	2	3	3	2	3	1
CO4	2	2	2	2	2	2	3	2	2	3	2	2	3	1
CO5	3	3	3	2	2	3	3	2	2	2	3	2	3	1

1. LOW

2. MODERATE

3. SUBSTANTIAL

Elective 5 - Option 2: Green Building Rating System

COURSE OUTCOMES:

CO1: Students will be able to recall principles and parameters of major green building rating systems (e.g., LEED, GRIHA).

CO2: Students will be able to apply rating system criteria to assess building performance.

CO3: Students will be able to examine energy, water, and material efficiency for certification compliance.

CO4: Students will be able to critique certified projects for effectiveness and gaps in sustainability implementation.

CO5: Students will be able to develop strategies for documentation and compliance to achieve green building certification.

MAPPING OF COs WITH POs AND PSOs

COURSE OUTCOMES	PROGRAMME OUTCOMES											PROGRAMME SPECIFIC OUTCOMES		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PSO1	PSO2	PSO3
CO1	3	2	2	1	1	2	3	2	2	3	3	2	3	1
CO2	3	3	3	2	2	3	3	2	2	3	3	2	3	1
CO3	3	3	3	2	2	3	3	2	2	3	3	2	3	1
CO4	3	3	3	2	2	3	3	2	2	3	3	2	3	1
CO5	3	3	3	2	2	3	3	2	2	3	3	2	3	1

1. LOW

2. MODERATE

3. SUBSTANTIAL

SEMESTER-X

Design Thesis

COURSE OUTCOMES:

CO1: Students will be able to identify and define a research-based architectural problem through analytical study of context, users, and programmatic requirements.

CO2: Students will be able to analyze and synthesize theoretical, contextual, and technological data to formulate a coherent design framework.

CO3: Students will be able to apply and develop innovative architectural solutions that address functional, aesthetic, environmental, and socio-cultural parameters.

CO4: Students will be able to evaluate and refine design proposals through iterative feedback, performance assessment, and critical self-reflection.

CO5: Students will be able to produce and present a comprehensive architectural thesis through detailed drawings, models, and documentation demonstrating creativity, rigor, and professional competence.

MAPPING OF COs WITH POs AND PSOs

COURSE OUTCOMES	PROGRAMME OUTCOMES											PROGRAMME SPECIFIC OUTCOMES		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PSO1	PSO2	PSO3
CO1	3	2	2	1	1	2	3	2	2	3	3	2	3	1
CO2	3	3	3	2	2	3	3	2	2	3	2	2	3	1
CO3	2	3	3	2	2	2	3	2	2	3	3	2	3	1
CO4	2	2	2	2	2	2	3	2	2	3	2	2	3	1
CO5	3	3	3	2	2	3	3	2	2	2	3	2	3	1

1. LOW

2. MODERATE

3. SUBSTANTIAL

Elective 6 - Option 1: Facade Design

COURSE OUTCOMES:

CO1: Students will be able to identify and describe the functional, aesthetic, and environmental roles of building façades in contemporary architecture.

CO2: Students will be able to analyze and interpret façade systems based on materials, structural behavior, and performance criteria.

CO3: Students will be able to apply and design façade solutions integrating thermal comfort, daylighting, ventilation, and energy efficiency.

CO4: Students will be able to evaluate and compare various façade technologies, fabrication methods, and sustainable design strategies.

CO5: Students will be able to develop and present detailed façade design proposals using digital tools, simulations, and technical documentation.

MAPPING OF COs WITH POs AND PSOs

COURSE OUTCOMES	PROGRAMME OUTCOMES											PROGRAMME SPECIFIC OUTCOMES		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PSO1	PSO2	PSO3
CO1	3	2	2	1	1	2	3	2	2	3	3	2	3	1
CO2	3	3	3	2	2	3	3	2	2	3	3	2	3	1
CO3	3	3	3	2	2	3	3	2	2	3	3	2	3	1
CO4	3	3	3	2	2	3	3	2	2	3	3	2	3	1
CO5	3	3	3	2	2	3	3	2	2	3	3	2	3	1

1. LOW

2. MODERATE

3. SUBSTANTIAL

Elective 6 - Option 2: Product Design

COURSE OUTCOMES:

CO1: Students will be able to identify and explain the principles of product design, ergonomics, and user-centered innovation.

CO2: Students will be able to analyze and interpret user needs, materials, and manufacturing processes to inform design decisions.



CO3: Students will be able to apply and develop creative product concepts that balance functionality, aesthetics, and sustainability.

CO4: Students will be able to evaluate and refine design prototypes through testing, feedback, and performance assessment.

CO5: Students will be able to create and present complete product design solutions using drawings, models, and digital visualization techniques.

MAPPING OF COs WITH POs AND PSOs

COURSE OUTCOMES	PROGRAMME OUTCOMES											PROGRAMME SPECIFIC OUTCOMES		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PSO1	PSO2	PSO3
CO1	3	2	2	1	1	2	3	2	2	3	3	2	3	1
CO2	3	3	3	2	2	3	3	2	2	3	2	2	3	1
CO3	2	3	3	2	2	2	3	2	2	3	3	2	3	1
CO4	2	2	2	2	2	2	3	2	2	3	2	2	3	1
CO5	3	3	3	2	2	3	3	2	2	2	3	2	3	1

1. LOW

2. MODERATE

3. SUBSTANTIAL



Bloom's Taxonomy Verbs:

Remember (BT1)	Understand (BT2)	Apply (BT3)	Analyze (BT4)	Evaluate (BT5)	Create (BT6)
Cite	Add	Acquire	Analyze	Appraise	Abstract
Define	Approximate	Adapt	Audit	Assess	Animate
Describe	Articulate	Allocate	Blueprint	Compare	Arrange
Draw	Associate	Alphabetize	Breadboard	Conclude	Assemble
Enumerate	Characterize	Apply	Break down	Contrast	Budget
Identify	Clarify	Ascertain	Characterize	Counsel	Categorize
Index	Classify	Assign	Classify	Criticize	Code
Indicate	Compare	Attain	Compare	Critique	Combine
Label	Compute	Avoid	Confirm	Defend	Compile
List	Contrast	Back up	Contrast	Determine	Compose
Match	Convert	Calculate	Correlate	Discriminate	Construct
Meet	Defend	Capture	Detect	Estimate	Cope
Name	Describe	Change	Diagnose	Evaluate	Correspond
Outline	Detail	Classify	Diagram	Explain	Create
Point	Differentiate	Complete	Differentiate	Grade	Cultivate
Quote	Discuss	Compute	Discriminate	Hire	Debug
Read	Distinguish	Construct	Dissect	Interpret	Depict
Recall	Elaborate	Customize	Distinguish	Judge	Design
Recite	Estimate	Demonstrate	Document	Justify	Develop
Recognize	Example	Depreciate	Ensure	Measure	Devise
Record	Explain	Derive	Examine	Predict	Dictate
Repeat	Express	Determine	Explain	Prescribe	Enhance
Reproduce	Extend	Diminish	Explore	Rank	Explain
Review	Extrapolate	Discover	Figure out	Rate	Facilitate
Select	Factor	Draw	File	Recommend	Format
State	Generalize	Employ	Group	Release	Formulate
Study	Give	Examine	Identify	Select	Generalize
Tabulate	Infer	Exercise	Illustrate	Summarize	Generate
Trace	Interact	Explore	Infer	Support	Handle
Write	Interpolate	Expose	Interrupt	Test	Import
	Interpret	Express	Inventory	Validate	Improve
	Observe	Factor	Investigate	Verify	Incorporate
	Paraphrase	Figure	Layout		Integrate
	Picture graphically	Graph	Manage		Interface
	Predict	Handle	Maximize		Join
	Review	Illustrate	Minimize		Lecture
	Rewrite	Interconvert	Optimize		Model
	Subtract	Investigate	Order		Modify
	Summarize	Manipulate	Outline		Network
	Translate	Modify	Point out		Organize
	Visualize	Operate	Prioritize		Outline
		Personalize	Proofread		Overhaul
		Plot	Query		Plan
		Practice	Relate		Portray
		Predict	Select		Prepare
		Prepare	Separate		Prescribe
		Price	Subdivide		Produce
		Process	Train		Program



		Produce	Transform		Rearrange
		Project			Reconstruct
		Provide			Relate
		Relate			Reorganize
		Round off			Revise
		Sequence			Rewrite
		Show			Specify
		Simulate			Summarize
		Sketch			
		Solve			
		Subscribe			
		Tabulate			
		Transcribe			
		Translate			
		Use			