SIDDAGANGA INSTITUTE OF TECHNOLOGY, TUMAKURU
School of Architecture

Vision

To establish as a pioneer institute in planning and design of built environment through excellence in teaching, research, consultancy and design innovation.

Mission

- To create conducive academic ambience that nurtures aesthetic attitude, technical confidence, and critical thinking among students.

- To develop research and design innovation skills in students to address various societal needs.

- To inculcate professional ethics based on values and entrepreneurial skills among students.

Program Educational Objectives (PEO's)

Graduates from school of Architecture will achieve the following Program Educational Objectives within few years of graduation

- Graduates will showcase capabilities for competent practice of Architecture and enhance career by pursuing higher education
- Graduates will exhibit strong design skills to solve complex real-time problems through high technical skills and strong communication along with the knowledge of various domains of architecture including landscape, architectural conservation, interior design, energy conscious architecture, urban design and planning, construction project management, alternative building techniques, building information modeling and digital architecture
- Graduates will demonstrate professionalism, ethical conduct, societal concerns, effective team work and adapt to dynamic global and local needs engaging in lifelong learning

Program Specific Outcomes (PSO's)

PSO1: Develop critical thinking to analyze, evaluate, synthesize and generate appropriate design solutions for varying scales and levels of complexity.

PSO2: Explore possibilities and application of various building materials, construction techniques, building systems and services.

PSO3: Draw inspiration from divergent architectural theories and history along with varied indigenous and vernacular settings.

PSO4: Demonstrate effective communication skills to present architectural works and comprehend professional practice.

Programme Outcomes (PO's)

1. **Architectural Knowledge:** Apply the knowledge of design principles, building systems & technologies, humanities and environmental aspects in design, planning and construction.
2. **Problem Analysis**: Identify, formulate, review research literature and analyse various scales of architectural projects to arrive at tangible conclusions.
3. **Design/ Development of solutions:** Design solutions to integrate interdisciplinary approach for contextual issues pertaining to built-environment.
4. **Conduct investigations of complex problems:** Use research-based knowledge and methodologies including context analysis, case studies, project requirements and synthesis of the information to provide context sensitive solutions.
5. **Modern tool usage:** Identify, select and apply the appropriate tools, techniques and resources to predict, design and simulate qualitative and quantitative outcomes with an understanding of its limitations.
6. **The Architect and Society:** Apply reasoning to address socio-cultural, legal and safety aspects relevant to the professional practice and social responsibility.
7. **Environment and Sustainability:** Understand the importance of the architectural design solutions in environmental and social contexts to demonstrate the need for sustainable built environment.
8. **Ethics:** Apply ethical principles and commit to professional ethics, responsibilities and norms of Architectural profession.
9. **Individual and teamwork:** Function effectively as an individual as well as a team member or a leader in diverse interdisciplinary settings.
10. **Communication:** Comprehend and effectively communicate issues related to architecture, community and society at large through documentation, graphical and verbal presentations.
11. **Project management and Finance:** Demonstrate knowledge and understanding of professional and management principles to apply to individual work, as a team member and as a leader, to manage projects in multidisciplinary environments.
12. **Life-Long learning:** Recognize the need for, have the preparation and ability to engage in independent and lifelong learning in the changing domain of societal and technological advancement and adopt it in individual's professional practice.

SYLLABUS

FOR

IX and X semester B.ARCH

2026 -2027

School of Architecture

Siddaganga Institute of Technology

(An Autonomous Institution affiliated to V.T.U., Belagavi, Approved by AICTE, New Delhi Accredited by NAAC with 'A++' Grade and ISO 9001:2015 Certified)

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SIDDAGANGA INSTITUTE OF TECHNOLOGY, TUMAKURU

(An Autonomous Institution affiliated to VTU, Belagavi, Approved by AICTE, New Delhi, Accredited by NAAC with 'A++' Grade & ISO 9001:2015 Certified)

B.ARCHITECTURE

SCHEME OF TEACHING AND EXAMINATION (270 Credits Scheme)

(Applicable to the students admitted during 2022-23)

IX Semester

Sl. No.	Course and Course Code		Course Title		Teaching / Paper setting Dept.	Teaching hrs/week				Examination					Credits
						Lecture	Studio		Practical	Self-Study Component	Duration in hrs.	Mode of Exam	CIE Marks	SEE Marks	Total Marks	
							Core	Applied								
						L	S		P	SS						
1.	PCC	9ATDP	Architectural Design Project				12	6				Viva	50	50	100	**18**
2.	PEC	9ATPE	Professional Elective-VII	Principles of Real-Estate Development (ATPE19)				2				Viva	50	50	100	**2**
				Architectural Writings & Journalism (ATPE20)												
				Fundamentals of Entrepreneurship (ATPE21)												
3.	PEC	9ATPO	Professional Elective-VIII (Online)			Any online course of NPTEL, MOOC etc. To be completed before IX SEE						-	50	50	100	**2**
			Total				12	8					**150**	**150**	**300**	**22**

Note: PCC: Professional Core Course, **BSAE**: Building Science and Applied Engineering Course, **HSMC**: Humanity and Social Science & Management Course, **SEC** –Skill Enhancement Course, **AEC**- Ability Enhancement Course, **PEC**- Professional Elective Course, **NCMC**- Non-Credit Mandatory Course, **OEC**- Open Elective Course

L –Lecture, **S**- Studio, **P**-Practical, **SS** – Self-Study Component, **CIE**: Continuous Internal Evaluation, **SEE**: Semester End Examination

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B.ARCHITECTURE

SCHEME OF TEACHING AND EXAMINATION (270 Credits Scheme)

(Applicable to the students admitted during 2022-23)

X Semester

Sl. No.	Course and Course Code		Course Title	Teaching / Paper setting Dept.	Teaching hrs/week				Examination					Credits
					Lecture	Studio	Practical	Self-Study Component	Duration in hrs.	Mode of Exam	CIE Marks	SEE Marks	Total Marks	
					L	S	P	SS						
1.	AEC	10ATP	Professional Training		16 Weeks					Viva	50	50	100	**24**
			Total								**50**	**50**	**100**	**24**

Note: PCC: Professional Core Course, **BSAE**: Building Science and Applied Engineering Course, **HSMC**: Humanity and Social Science & Management Course, **SEC** –Skill Enhancement Course, **AEC**- Ability Enhancement Course, **PEC**- Professional Elective Course, **NCMC**- Non-Credit Mandatory Course, **OEC**- Open Elective Course

L –Lecture, **S**- Studio, **P**-Practical, **SS** – Self-Study Component, **CIE**: Continuous Internal Evaluation, **SEE**: Semester End Examination

SIDDAGANGA INSTITUTE OF TECHNOLOGY
Tumakuru-572103

(An Autonomous Constituent Institution of Visvesvaraya Technological University, Belagavi)

SCHOOL OF ARCHITECTURE

DETAILED SYLLABUS FOR
NINTH SEMESTER
B. ARCHITECTURE

ARCHITECTURAL DESIGN PROJECT

Contact Hours/ Week:	18	Credits:	18
Total Lecture Hours:	-	CIE Marks:	50
Total Studio Hours:	270	SEE Marks:	50
Course Code:	9ATDP	Exam Mode:	Viva

Course objectives:
This course will enable students to:

1.	Enhance their ability to comprehend the nature of the architectural problem
2.	Prepare a brief or program which can set the framework for the design solution
3.	Propose appropriate solutions to the issues raised through architectural design.
4.	Detail the architectural systems and facilities according to the objectives of the project

COURSE OUTLINE

Architectural Design projects can be of any scale and size (in terms of built areas) as long as the student demonstrates the required rigor and depth to merit consideration as a final project. It is expected that all genres of projects (study or design) would end with a design solution; in fact, all projects should be grounded in some critical inquiry.
The stages can be fine-tuned depending on the resources. This project is expected to be run as a studio with individual guidance under a project coordinator and assisted by guides.

1. **Project seminar** – The student shall present a seminar on the project topic which would include the following;

   i. Precedents of similar projects, either actual visits to such projects or through literatu reviews.

   ii. Cultural, contextual, historical, technological, and programmatic concerns of the project.

   iii. Prevalent or historical models of an architectural approach to such projects and a critique such models and

   iv. A rhetorical or speculative statement that would be the basis of further investigation. (F example, Architecture in the information age: Design of libraries in the new virtual reali regime). Documentation that is a part of this presentation shall be taken as completion of t "case study" part of the final requirement

2. **Mid Reviews** – There shall be a review to clarify the conceptual statements and assumptions of the students. Students shall present a clearly articulated response to context, program, and users. The conceptual framework and preliminary architectural scheme shall be the end products of this stage.
3. **Final Review** – Final review should consist of all the works that would be presented at the viva.

NOTE

a. Completion of Research skills and project introduction (IX Sem) is mandatory to car Architectural Design Project.
b. The final output shall include a report, all drawings, study models, and a presentation model.
c. The report in the printed form shall discuss the program, site- analysis, literature review, ca

studies, design criteria, concept, and detailed design.

d. Two copies of the reports shall be submitted along with drawings and models.
e. At the time of the Viva examination, the student shall show the jurors the portfolio containir the evolution of his/her design from the beginning to the final output.
f. All the drawings and reports shall be certified by the Head of the Department as bonafide wo carried out by the student during the semester

REFERENCE BOOKS	
1	All references will be project specific and include a wide range of subjects (history, theory, services, material, and construction) from architecture and allied fields addressed through critical papers, essays, documented studies, and books.

Course Outcomes: Upon completion of this course the student will be able to:	
CO1	Formulate a unique architectural thesis topic that addresses contemporary or future challenges in the built environment.
CO2	Conduct structured research using qualitative or quantitative methods to support and inform the design thesis.
CO3	Translate research findings into a coherent architectural program, clearly defining user needs, spatial requirements and functions.
CO4	Demonstrate a thorough understanding of site context including physical, social, cultural and environmental factors and respond through appropriate design interventions.
CO5	Develop a comprehensive architectural solution that synthesis form, function, structure, construction systems and sustainability.
CO6	Integrate building technologies, material, services and environmental strategies in a way that enhances performance, safety and user comfort.
CO7	Communicate the design process and final proposal effectively through architectural drawings, diagrams, physical models and digital media.
CO8	Demonstrate autonomy, initiative and critical thinking in decision making throughout all stages of the thesis project.
CO9	Present and defend the thesis project professionally and prepare complete documentation that needs academic standards.

Course Articulation Matrix

		POs												**PSOs**			
		1	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**1**	**2**	**3**	**4**
COs	**CO1**	**1**	**3**											**3**			
	CO2		**3**		**3**	**1**										**3**	
	CO3		**3**	**3**	**3**							**1**		**3**			
	CO4				**3**		**3**							**3**			
	CO5			**3**				**3**							**3**		
	CO6			**3**		**3**		**3**							**3**		
	CO7					**1**					**3**						**3**
	CO8									**3**							**3**
	CO9								**3**		**3**		**3**				**3**

PROFESSIONAL ELECTIVE – VII

PRINCIPLES OF REAL ESTATE DEVELOPMENT

Contact Hours/ Week:	02	Credits:	2
Total Lecture Hours:	-	CIE Marks:	50
Total Studio Hours:	30	SEE Marks:	50
Course Code:	ATPE19	Exam Mode:	Viva

Course objectives: This course will enable students to:	
1.	Develop an understanding of the real estate development process, including market analysis, land acquisition, financial feasibility, legal frameworks, and the roles of various stakeholders in development projects
2.	Evaluate the feasibility of real estate projects by integrating architectural design, planning regulations, sustainability principles, economic considerations, and risk management.
3.	Analyze and prepare development proposals that balance architectural quality, commercial viability, environmental responsibility, and societal needs within the context of contemporary urban development.

UNIT I
Introduction to Real Estate Development: Overview of the real estate industry, development process, market analysis, demand–supply assessment, and stakeholder roles. Land economics, site selection criteria, urban growth patterns, and property valuation fundamentals.
6 Hours

UNIT II
Land Acquisition, Legal and Regulatory Framework: Land acquisition methods, land records, zoning regulations, development control rules, approvals, and statutory clearances. Property laws, RERA, environmental regulations, building codes, contracts, and risk associated with legal compliance
6 Hours

UNIT III
Financial Feasibility and Project Planning: Project financing, cost estimation, investment appraisal, cash flow analysis, feasibility studies, and risk management techniques. Architectural planning, project scheduling, procurement methods, and integration of planning regulations in development.
6 Hours

UNIT IV
Sustainable Real Estate Development: Principles of sustainable development, green buildings, resource-efficient planning, climate-responsive design, and environmental impact assessment. Social responsibility, infrastructure planning, resilience, smart city concepts, and sustainable development certifications.
6 Hours

UNIT V

Development Proposal and Project Evaluation: Preparation and presentation of comprehensive real estate development proposals integrating design, finance, legal, and environmental considerations. Case studies of contemporary urban development projects, commercial viability assessment, stakeholder coordination, and project evaluation.
6 Hours

REFERENCE BOOKS		
1	Mike E. Miles, Laurence M. Netherton & Adrienne Schmitz	Real Estate Development: Principles and Process (5th Edition), Urban Land Institute, 2015, ISBN: 9780874203431
2	Richard B. Peiser, Nick Egelanian, Suzanne Lanyi Charles, David Allen Hamilton & Sofia Dermisi	Professional Real Estate Development: The ULI Guide to the Business (4th Edition), Urban Land Institute, 2022, ISBN: 9780874204773
3	David L. Krone & Arthur C. Nelson	Land Development (10th Edition), Builder Books, 2016, ISBN: 9780867187489
4	Deborah L. Brett	Real Estate Market Analysis: Methods and Case Studies (2nd Edition), Urban Land Institute, 2019, ISBN: 9780874204360
5	Mike E. Miles, Gayle L. Berens, Mark J. Eppli & Marc A. Weiss	Real Estate Development: Principles and Process (4th Edition), Urban Land Institute, 2007, ISBN: 9780874209716

Course Outcomes: Upon completion of this course the student will be able to:	
CO1	Examine the real estate development process, market analysis methods, land economics, and the roles of stakeholders in development projects. Analyze generative design methods and optimization techniques for architectural problem-solving.
CO2	Apply land acquisition procedures, planning regulations, legal frameworks, and statutory approval processes in real estate development. Evaluate building performance using simulation and digital analysis tools to support design decisions.
CO3	Assess the financial feasibility of real estate projects using cost estimation, investment appraisal, project planning, and risk management techniques.
CO4	Integrate sustainability principles, environmental assessment methods, and green building concepts into real estate development projects.
CO5	Develop comprehensive real estate development proposals by integrating architectural design, financial feasibility, legal compliance, environmental responsibility, and societal needs.

Course Articulation Matrix

		POs												**PSOs**			
		1	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**1**	**2**	**3**	**4**
COs	**CO1**	**3**				**3**							**3**	**3**			
	CO2	**3**				**3**							**3**	**3**			
	CO3	**3**				**3**							**3**	**3**			
	CO4	**3**				**3**		**3**					**3**	**3**			
	CO5	**3**				**3**							**3**	**3**			

ARCHITECTURAL WRITINGS & JOURNALISM

Contact Hours/ Week:	02	Credits:	2
Total Lecture Hours:	-	CIE Marks:	50
Total Studio Hours:	30	SEE Marks:	50
Course Code:	ATPE20	Exam Mode:	Viva

Course objectives: This course will enable students to:	
1.	To introduce students to the principles, scope, and role of architectural journalism in documenting, interpreting, and communicating architecture and the built environment.
2.	To develop skills in architectural writing, research, documentation, criticism, and visual communication through various media formats.
3.	To enable students to critically engage with contemporary architectural issues and effectively communicate architectural ideas through professional journalism practices.

UNIT I
Introduction to Architectural Journalism and Communication: Introduction to the scope, evolution, and role of architectural journalism in documenting and communicating architecture. Study of architectural publications, media platforms, professional writing practices, and ethical aspects of architectural reporting.
6 Hours

UNIT II
Architectural Writing, Research, and Documentation: Understanding the principles of architectural writing, research methods, and documentation techniques. Development of skills in observing, recording, and communicating architectural projects through written and visual narratives.
6 Hours

UNIT III
Architectural Criticism and Review Writing: Introduction to architectural criticism and methods of evaluating buildings and built environments. Study of approaches for writing architectural reviews based on context, design concepts, function, aesthetics, technology, and user experience.
6 Hours

UNIT IV
Journalism Practices, Interviews, and Digital Media: Exploration of practical journalism methods including interviews, feature writing, reporting, editing, and publishing. Introduction to digital media, architectural photography, blogs, podcasts, and online platforms for architectural communication.
6 Hours

UNIT V
Contemporary Issues and Professional Practice in Architectural Journalism: Study of the role of architectural journalism in addressing contemporary issues such as sustainability, heritage, urban development, and social concerns. Development of critical perspectives and preparation of architectural content through articles, reviews, and documentation.
6 Hours

REFERENCE BOOKS		
1	Wayne Attoe	Architectural Criticism: A Guide to the Literature, John Wiley & Sons, 2012. ISBN: 978-0471287032
2	Stan Allen	From Object to Field: Essays in Architecture, Actar Publishers, 2008. ISBN: 978-8496541071
3	Andrew Ballantyne	Architecture: A Very Short Introduction, Oxford University Press, 2002. ISBN: 978-0192854469
4	Alexandra Lange	Writing About Architecture: Mastering the Language of Buildings and Cities, Princeton Architectural Press, 2012, ISBN: 978-1568986786
5	Patrick Nuttgens	The Story of Architecture, Phaidon Press, 1983, ISBN: 978-0714827556

Course Outcomes: Upon completion of this course the student will be able to:	
CO1	**Summarize** the principles, scope, and significance of architectural journalism and its role in communicating architectural ideas and built environment narratives.
CO2	**Develop** skills in architectural writing, research, documentation, and visual representation for effective communication of architectural projects.
CO3	**Evaluate** architectural works through critical reviews by applying appropriate methods of architectural criticism and interpretation.
CO4	**Apply** journalism techniques such as interviewing, reporting, editing, and digital media practices for architectural communication.
CO5	**Demonstrate** the ability to create informed architectural narratives addressing contemporary issues through articles, reviews, and documentation studies.

Course Articulation Matrix

		POs												PSOs			
		1	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**1**	**2**	**3**	**4**
COs	**CO1**	**3**				**3**							**3**	**3**			
	CO2	**3**				**3**							**3**	**3**			
	CO3	**3**				**3**							**3**	**3**			
	CO4	**3**				**3**		**3**					**3**	**3**			
	CO5	**3**				**3**							**3**	**3**			

FUNDAMENTALS OF ENTREPRENEURSHIP

Contact Hours/ Week:	02	Credits:	2
Total Lecture Hours:	-	CIE Marks:	50
Total Studio Hours:	30	SEE Marks:	50
Course Code:	ATPE21	Exam Mode:	Viva

Course objectives: This course will enable students to:	
1.	Develop an understanding of entrepreneurial concepts, opportunities, and business models relevant to the architectural profession and the built environment.
2.	Equip students with the knowledge and skills required to establish, manage, and sustain an architectural practice through effective planning, financial management, legal compliance, and professional ethics.
3.	Promote innovation, sustainability, and strategic decision-making in creating entrepreneurial ventures that address contemporary societal and industry needs.

UNIT I
Entrepreneurship and Architectural Profession: Concept, characteristics, and competencies of entrepreneurs; entrepreneurship opportunities in architecture, design, construction, and the built environment. Entrepreneurial mindset, innovation, start-ups, and emerging trends in architectural practice.
6 Hours

UNIT II
Business Opportunity and Enterprise Planning: Opportunity identification, market research, business models, value proposition, and preparation of business plans for architectural practice. Branding, marketing strategies, client acquisition, feasibility analysis, and digital business platforms.
6 Hours

UNIT III
Establishing and Managing an Architectural Practice: Forms of business organization, firm registration, legal compliance, taxation, contracts, professional ethics, and intellectual property rights. Financial planning, budgeting, project management, leadership, communication, and team management.
6 Hours

UNIT IV
Finance and Sustainable Entrepreneurship: Sources of finance, government schemes, venture funding, MSMEs, and financial management for design enterprises. Sustainable entrepreneurship, innovation, green business models, social entrepreneurship, and technology-driven practices.
6 Hours

UNIT V
Entrepreneurial Growth and Practice Development: Business growth strategies, networking, negotiation, client relationship management, and risk management in architectural practice. Case studies of successful architectural entrepreneurs and preparation of a venture proposal for a design-based enterprise.
6 Hours

REFERENCE BOOKS		
1	Robert D. Hisrich, Michael P. Peters, Dean A. Shepherd & Sabyasachi Sinha	*Entrepreneurship* (11th Edition), McGraw Hill Education (India), 2020, ISBN: 9789390113309
2	Poornima M. Charantimath	Entrepreneurship Development and Small Business Enterprises (2nd Edition), Pearson India, 2018, ISBN: 9789353060176
3	Madhurima Lall & Shikha Sahai	Entrepreneurship (3rd Edition), Excel Books, 2021, ISBN: 9789350623367
4	Vasant Desai	The Dynamics of Entrepreneurial Development and Management, Himalaya Publishing House, 2021, ISBN: 9789352623778
5	S. S. Khanka	Entrepreneurial Development (2nd Edition), S. Chand Publishing, 2013, ISBN: 9788121935333

Course Outcomes: Upon completion of this course the student will be able to:	
CO1	**Interpret** the principles of entrepreneurship, entrepreneurial competencies, and opportunities in architecture and the built environment.
CO2	**Develop** a business plan by identifying entrepreneurial opportunities, conducting market analysis, and formulating appropriate business models for architectural practice.
CO3	**Apply** legal, financial, managerial, and ethical principles required for establishing and managing an architectural practice.
CO4	**Evaluate** funding options, sustainable business models, and innovative strategies for entrepreneurship in architecture and design.
CO5	**Formulate** an entrepreneurial venture proposal by integrating business planning, strategic management, client engagement, and professional practice principles.

Course Articulation Matrix

		POs												**PSOs**			
		1	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**1**	**2**	**3**	**4**
COs	**CO1**	**3**				**3**							**3**	**3**			
	CO2	**3**				**3**							**3**	**3**			
	CO3	**3**				**3**							**3**	**3**			
	CO4	**3**				**3**		**3**					**3**	**3**			
	CO5	**3**				**3**							**3**	**3**			

PROFESSIONAL ELECTIVE-VIII (ONLINE)

Contact Hours/ Week:	-	Credits:	2
Total Lecture Hours:	-	CIE Marks:	50
Total Studio Hours:	-	SEE Marks:	50
Course Code:	9ATPO	Exam Mode:	-

Course objectives: This course will enable students to:	
1.	Explore diverse academic fields, courses, and extracurricular activities to identify their interests and passions.
2.	Develop students' creativity, adaptability, and practical skills through varied learning and real-world experiences.
3.	Make informed decisions about their future education and career paths based on their interests, strengths, and experiences

COURSE OUTLINE
Exploring new areas of interest and different fields is vital for students as it helps them discover passions, develop diverse skills, and make informed decisions about their future. By stepping outside their comfort zones through varied courses, extra-curricular, and real-world experiences like internships, students broaden their horizons, foster creativity, and become more adaptable individuals prepared for a dynamic world. This proactive exploration ultimately contributes to a richer, more fulfilling educational journey and sets the foundation for successful future endeavors.

Sl. No	**NPTEL Courses**	**Duration (Weeks)**	**Credits**
1.	Strategies for Sustainable Design	12 weeks	3
2.	Architectural Approaches to De-carbonization of Buildings	12 weeks	3
3.	Research Methodology for Planning and Architectural Studies	12 weeks	3
4.	Architectural Thesis	08 weeks	3
5.	Finishing material and systems for building application	08 weeks	3
6.	Building Energy Systems and Auditing	08 weeks	2
7.	Culturally Responsive Built Environments	08 weeks	2
8.	Understanding Ethnography	08 weeks	2
9.	Disaster Recovery And Build Back Better	08 weeks	2
10.	Understanding and Reducing Ghg Emissions – Focus On Scope 1 and 2 Emission Reduction through Building Design and Construction	08 weeks	2

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B. ARCHITECTURE

PROFESSIONAL TRAINING

Contact Hours/ Week:	-	Credits:	24
Total Lecture Hours:	-	CIE Marks:	50
Total Studio Hours:	-	SEE Marks:	50
Course Code:	10ATP	Exam Mode:	Viva

Course objectives:
This course will enable students to:

1.	Professional architectural practice through practical training under the guidance of practicing architects and participation in live projects and site activities.
2.	Develop students' understanding of professional practice and project management including office management, contract management, human resource management, and coordination of architectural projects.
3.	Familiarize students with contemporary architectural technologies and multidisciplinary practices, including advanced construction techniques, building services, landscape, and environmental design.

COURSE OUTLINE

- The aim of introducing one complete term for the students to undergo practical training is to expose them to the world of Professional Practice and get hands-on training under the guidance of a professional who is actively engaged in Architectural Practice. It will give the students first-hand experience of dealing with live projects of various natures and also the site experience to see how the projects get built on the site.
- The students will also be able to learn about Office Management, Project Management, Contract Management, Human Resource Management, new techniques of construction, advanced building services, landscape, and environmental designing etc. This rich experience is expected to enhance the student's ability to think comprehensively and better prepare them for undertaking the Architectural Project work in the final semester.

Guidelines:

(1) The term of Practical Training will commence after the examination of IX semester and will continue till the end of X semester or thereabout. The students are expected to work in the organization where architecture and its related practice are carried out and under the guidance of the professional who is registered with Council of Architecture. In case the student opts to go abroad he / she will work under the guidance of the professional who is registered with the council / any other organization controlling the profession of Architecture in the respective country. The students will decide very carefully about their placement venue as it is expected that they learn best ethics in Professional Practice and which produces quality architecture.

(2) Student will have to maintain a weekly record of their engagement for the period of training. This will be recorded in an authorized log-book to be counter-signed by architect at the end of each month.

(3) At the end of the training period, student will have to procure a certificate of training and satisfactory performance from the concerned office in the prescribed form.

(4) Certificate of satisfactory completion of training same shall be submitted the College, along with the report and drawings made during the training period and appear for Viva-voce.

(5) The total duration of the training will be minimum 16 working weeks / 90 working days

Submission of Portfolio:

Students shall present a portfolio containing the following works before the examiners for Viva-Voce Examination:

a. **Training Report:** This shall contain copies of various drawings done by the student either drafted or designed. It shall also contain other works like photographs of sites visited, models done, computer output produced etc.,

b. **Building Study:** This shall be a detailed critical study of a building designed by the architect with whom the student has worked. It shall include the study of function, aesthetics, context, structure etc., this shall be presented through drawings, photographs, write ups etc.

c. **Building Material Study:** This shall be a detailed study of a new or relatively new building material available in the market. A study of its properties, uses, cost, maintenance etc., is expected to be done. Samples of materials shall also be obtained and presented.

d. **Detailing study:** This shall be a study of interesting details done in the firm where the student has undertaken the training. This shall include sketches and photographs of the detail.

NOTE:

a. Students shall work only in architectural firms functioning over 5 years and headed by an Architect registered with Council of Architecture, New Delhi.
b. In case of architectural firms abroad, the Principal Architect of the firm should hold the title of architect under the law of that country.
c. A candidate failing in the viva examination shall repeat the training afresh for 16 weeks, the starting date coinciding with the beginning of a subsequent semester.
d. There is no Continuous Internal Evaluation Marks for this subject. However students to send their appointment order and joining letter to HOD/Coordinator as record.
e. The students need to submit a portfolio of work done by them in an Architect's office as per the details given in the submission portfolio above.

Course Outcomes:

Upon completion of this course the student will be able to:

CO1	Apply professional architectural practices through hands-on experience in live projects and site-based learning.
CO2	Understand office, project, and contract management processes involved in architectural practice.
CO3	Evaluate construction techniques, building services, and interdisciplinary coordination in real-world projects.
CO4	Demonstrate professional skills in design development, project execution, and communication within an architectural practice environment.
CO5	Integrate practical knowledge and professional experience to prepare for advanced architectural project work.

Course Articulation Matrix

		POs												PSOs			
		1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4
COs	CO1						3		3	3	3	3	3				3
	CO2	1											3				3
	CO3								3	3			3				3
	CO4						3		3		3		3				3
	CO5						3			3			3				3