Sushant University

Criteria 2.6. Student Performance and Learning Outcomes

2.6.1 The institution has stated learning outcomes (Program and Course outcomes), graduate attributes, which are integrated into the assessment process and widely published through the website and other documents, and the attainment of the same is evaluated by the institution

(B. Arch)
Sushant School of Art and Architecture

Batch 2020- 2025

ARCHITECTURAL DESIGN 1

COURSE CODE	COURSE TITLE	COURSE STRUCTURE			CREDITS	EXAMINATION SCHEME		
		Lecture	Tutorial	Studio		Internal Assessment	External Jury	External Exam
19BAR-1DS11P	Architectural Design 1				9			
		0	0	6		50	50	NA

COURSE OUTCOMES (COs)

The students would be expected to:

CO1. Architectural space is for the living Self – Students will be able to investigate interpretations of self, explorations into self awareness and comfort, personal space, anthropometrics, understanding the body, its needs and manners of representation.

CO2. Spirit of Time – Students will be able to recognise architecture's direct link to time and its connection to human actions - ways and means of inhabitation, which are linked to age, diurnal cycles, etc.

CO3. The Meaning of Context: Students will be able to interpret everyday context – what they are a part of.

CO4. The Manifestation of Nature: Students will be able to engage in nature studies including forms, expressions, patterns and systems of nature.

CO5. Structural, constructional and material thinking: Students would be exposed to various physical constituents of space and elements of architecture

CO6. The presence of weather – Students will be able to extrapolate how light and sunlight can be used as tools of creation and help us sculpt spaces. They will be able to design systems that consider these components of weather and not just respond to it.

CO7. Systemising architectural production – Students will learn ways of representation, manners of critique and expressions of ideas.

CO8. Para Design – Students will explore communication, creation and modulation through the digital media to understand how to execute design solutions graphically as they develop them in studio.
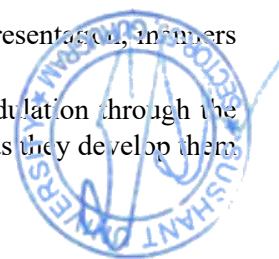
CO9. Design as a process: Students will explore First Principles - why a thing is made the way it is - reducing the object/ form to its core or fundamentals - factors underlying forms rather than the forms themselves

CO10. Research based learning: Students will be able to understand how to capture knowledge by doing documentation and Data Collection relevant to an idea

CO11. Other creative fields and their patterns of Communications – Students will be exposed to the creative process used in various fields which revolve around a representation and expression of the self.

CO12. Positions/ relationship to the discipline at large – Students will be able to gauge unseen qualities of things and places by learning to look beyond what is easily visible.

CO13. Complexity and Scale: Students will be able to compose spaces of personal complexity and individual scale where human actions will take place and which will be made up of various physical components of architecture based on a keen understanding of first principles.

MAPPING OF COs AND POs

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9
CO1	H	M	H	H	M	L	L	H	M
CO2	M	M	H	H	M	L	L	H	M
CO3	H	M	H	H	H	M	M	H	M
CO4	H	M	H	H	H	M	L	H	M
CO5	M	H	L	M	M	L	L	M	L
CO6	H	M	H	H	M	L	L	H	L
CO7	M	M	M	H	H	M	H	H	H
CO8	L	H	L	M	H	L	L	L	H
CO9	H	H	L	H	H	L	L	M	M
CO10	H	M	H	H	H	M	L	L	M
CO11	L	M	M	H	M	L	H	M	L
CO12	M	L	H	M	M	M	M	M	H
CO13	H	M	H	H	H	L	M	M	M

H- High, M- Medium, L-Low

COURSE CODE	COURSE TITLE	COURSE STRUCTURE			CREDITS	EXAMINATION SCHEME		
		Lecture	Tutorial	Studio		Internal Assessment	External Jury	External Exam
19BAR-5PD11S	Para Design 1	0	2	0	1	100	100	NA

COURSE OUTCOMES (COs)

The students would be expected to:

CO1.   Understand ways of re-presentation and nomenclature of the basic layer system in AutoCAD and illustrator.

CO2.   Demonstrate the awareness of typology of lines and polygons and its translation at various 2d plane levels

CO3. Orient and be aware of how to represent their work and attention to the ideas of composition

CO4.   Design a high-quality digital art portfolio of all their works, in hardcopy and in softcopy.

MAPPING OF COs AND POs

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9
CO1	M	H	L	L	H	L	L	L	L
CO2	M	H	L	L	H	L	L	L	L
CO3	H	H	M	L	H	L	L	L	L
CO4	M	H	M	L	H	L	L	L	L

H- High, M- Medium, L-Low

CONSTRUCTION AND MATERIAL WORKSHOP

COURSE CODE	COURSE TITLE	COURSE STRUCTURE			CREDITS	EXAMINATION SCHEME		
		Lecture	Tutorial	Studio		Internal Assessment	External Jury	External Exam
19BAR-2BC11P	Construction and Material Workshop				3			
		1	3	0		50	50	NA

COURSE OUTCOMES
(COs) The students would
be expected to:

CO1. Identify, describe and discuss the basic building blocks and develop an architectural vocabulary associated with it.

CO2. Execute and demonstrate the masonry bonds and carpentry joineries, and interpret it in relevant situations. To be able to conduct physical tests on material properties.

CO3. Choose, critique and weigh the different brick bonds and carpentry joineries for a specific project situation. To be able to demonstrate awareness of sustainability in manufacturing aspects of building materials.

CO4. Design, assemble and construct construction module.

MAPPING OF COs AND POs

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9
CO1	L	L	M	L	L	L	L	L	L
CO2	M	L	L	M	M	L	L	L	L
CO3	L	M	M	M	M	L	L	M	L
CO4	L	L	M	M	M	L	L	M	L

Course Code	Course Title	Course Structure			Credits	Examination Scheme		
		Lecture	Tutorial	Studio		Internal Assessment	External Jury	External Exam
19BAR-2AD11S	Architectural Drawing-I	1	2	0	2	100	-	-

COURSE OUTCOMES (COs)

The students would be expected to:

CO1. Demonstrate real- time entities (objects or spaces) in terms of different techniques and representation.

CO2. Implement the knowledge and the skills developed in other forms and courses of Architectural Program and beyond.

CO3. Understand and retrieve various drafting techniques, drafting procedure and architectural lettering

MAPPING OF COs AND POs

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9
CO1	M	L	L	L	M	M	L	L	M
CO2	L	L	M	L	M	L	M	L	M
CO3	L	L	L	L	M	L	L	L	L

H- High, M- Medium, L-Low

ART 1 VISUALIZATION

COURSE CODE	COURSE TITLE	COURSE STRUCTURE			CREDITS	EXAMINATION SCHEME		
19BAR-5AV11S	Art 1 (Visualization)	Lecture	Tutorial	Studio	2	Internal Assessment	External Jury	External Exam
		1	2	0		100	0	0

COURSE OUTCOMES (COs)

The students would be expected to:

CO1. Apply different drawing and painting techniques for detailed visualization of form and structure.

CO2. Construct new spatial configurations in terms of graphical expression.

CO3. Invent a unique and personalized visual language based on imagination and observation

MAPPING OF COs AND POs

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9
CO1	H	M	H	L	H	L	L	L	L
CO2	H	M	H	M	H	L	L	L	L
CO3	H	M	H	H	H	L	L	L	L

HISTORY OF ARCHITECTURE 1
(PERSONAL AND IMMEDIATE SURROUNDING)

COURSE CODE	COURSE TITLE	COURSE STRUCTURE			CREDITS	EXAMINATION SCHEME		
		Lecture	Tutorial	Studio		Internal Assessment	External Jury	External Exam
19BAR-4HA11P	History of Architecture 1	2	0	0	2	50	50	NA

COURSE OUTCOMES (COs)

The students would be expected to:

CO1. Identify and discuss architectural vocabulary linked with typological, stylistic and spatial aspects of specific styles related to spaces associated with personal and immediate surrounding.

CO2. Analyse the form, space and style, as exhibited by historic architecture through case studies and articulate the analysis.

CO3. Evaluate the relationship of architectural expression with its context defined by natural, socio- cultural, political, economic, technological or any other aspects

MAPPING OF COs AND POs

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9
CO1	M	L	H	H	L	L	M	L	L
CO2	M	L	H	H	L	L	M	L	L
CO3	H	M	H	H	M	L	M	L	L

THEORY AND METHOD 1 (SENSE OF THEORY)

COURSE CODE	COURSE TITLE	COURSE STRUCTURE			CREDITS	EXAMINATION SCHEME		
		Lecture	Tutorial	Studio		Internal Assessment	ExternalJury	External Exam
19BAR-5TM11S	Theory and Method 1				2			
		1	1	0		100	NA	NA

COURSE   OUTCOMES
(COs) The students would
be expected to:

CO1. Knowledge (Remember + Understand) Be able to define, identify and recognize the relevance of architectural theories.

CO2. Skills (Apply +Analyse) Be able to use and demonstrate critical questioning ability and develop unbiased voices related to the field of architecture and other related humanities disciplines.

CO3. Design (Create) Be able to construct and develop theoretical arguments while compiling information related to inter disciplinary connections of the field of architecture.

MAPPING OF COs AND POs

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9
CO1	L	L	M	H	M	L	L	L	L
CO2	L	M	L	H	H	L	L	L	L
CO3	L	L	H	H	M	L	M	H	L

H- High, M- Medium, L-Low

SURVEY AND DOCUMENTATION

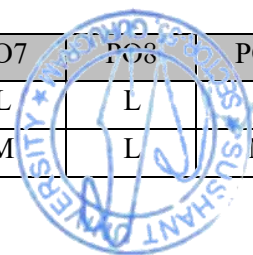| Course Code	Course Title	Course Structure			Credits	Examination Scheme		
		Lecture	Practical	Studio		Internal Assessment	ExternalJury	External Exam
19BAR-2SD11S	Survey and Documentation	2	2	0	3	100	NA	NA

COURSE   OUTCOMES
(COs) The students would
be expected to:

CO1. Understand the relevance and importance of surveying and photogrammetry in building documentation, urban documentation and survey for the purpose of analysis and redesign /redevelopment.

CO2.   Execute chaining of a plot of land and marking inner details, boundaries with chaining and obstacle and plotting. Alternatively, traversing some field layout-using chain/compass plotting the Traverse.

CO3. Enlist and recognize the tools, equipment and methods of surveying, levelling and recording including horizontal and vertical measuring instruments, levelling instruments and mapping techniques

CO4.   Review and interpret all types of maps- knowledge of scale, symbols, grids etc

CO5. Appraise high accuracy of plot size, boundary demarcation and economic development   ultimately leading to social development of the society

MAPPING OF COs AND POs

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9
CO1	L	L	L	L	L	L	L	L	L
CO2	L	L	L	L	M	M	M	L	M

CO3	L	L	L	L	M	M	M	L	M
CO4	L	L	L	L	M	M	M	L	M
CO5	L	L	L	L	M	M	M	L	M

H- High, M- Medium, L-Low

STRUCTURAL SYSTEMS

Course Code	Course Title	Course Structure			Credits	Examination Scheme		
		Lecture	Tutorial	Studio		Internal Assessmen	ExternalJury	ExternalExam
19BAR-3SS11T	STRUCTURAL SYSTEMS	2	0	0	2	50	0	50

COURSE OUTCOMES (COs)

The students would be expected to:

CO1. Understand and retrieve the basics of physics structures, buildings and their systems

CO2. Determine structural systems compatible with architectural design and other engineering disciplines.

CO3. Identify various structure systems, basic structural loadings, structural and non-structural materials.

CO4. Recognise structural material and categorize them in man-made and natural materials extending towards vernacular materials like bamboo, mud etc.

CO5. Apply the basics learnt to calculate balance, Equilibrium, C.G., Moment of inertia

CO6. Deduce an understanding of transfer of loads and forces diagram\developing an ability to weld the structural sustainable solutions to augment architectural designs.

CO7. Express leadership skills to work effectively and independently in multi-disciplinary and multi-cultural teams and in case of need be a team leader

MAPPING OF COs AND POs

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9
CO1	L	L	L	L	L	L	L	L	L
CO2	L	L	L	L	L	L	L	L	L
CO3	L	L	L	L	L	L	L	L	L

CO4	L	L	L	L	L	L	L	L	L
CO5	L	L	L	L	L	L	L	L	L
CO6	M	L	M	L	L	L	L	L	L
CO7	L	L	L	L	M	L	M	L	M

ENVIRONMENTAL STUDIES AND CLIMATOLOGY

Course Code	Course Title	Course Structure			Credits	Examination Scheme		
		Lecture	Tutorial	Studio		Internal Assessmen	ExternalJury	ExternalExam
19BAR-3CL11T	Environmental Studies and Climatology	2	0	0	2	50	0	50

COURSE OUTCOMES (COs)

The students would be expected to:

CO1. Understand the environment and the causes of its changes.

CO2. Understand natural elements which impact the building and its surrounding.

CO3. Understand climate and resources and how they are responsible for the functioning of buildings and its

setting. CO4. Apply understanding of passive heating and cooling techniques with the respect to the building

and its climate.

MAPPING OF COs AND POs

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9
CO1	L	L	M	L	L	L	L	H	L
CO2	M	L	M	L	L	L	L	H	L
CO3	H	L	H	L	L	L	M	H	L
CO4	M	M	H	L	M	M	M	H	L

H- High, M- Medium, L-Low

TRANS DISCIPLINARY LEARNING (TDL)

Course Code	Course Title	Course Structure			Credits	Examination Scheme		
		Lecture	Tutorial	Studio		Internal Assessment	ExternalJury	External Exam
XXXX	Trans Disciplinary Learning	1	0	0	1	100	-	-

COURSE OUTCOMES (COs)

The students would be expected to:

CO1. Communicate, explore, network and negotiate in ways that extend representation of disciplinary ideas or perspectives.

CO2. Explore the relevance and test the value of concepts, frameworks, methods and theories from different fields of inquiry for gaining insights into trans-disciplinary systems and co-production of knowledge

CO3. Engage with and respond respectfully, generativity and analytically to different ways of knowing across community, cultural and environmental contexts to promote agency and collaboration

CO4. Use principled approaches for designing and developing trans-disciplinary initiatives for betterment of communities and Recognize and promote the humanity of self and others and engage ethically and sensitively to the values and cultures of particular individuals, groups, organizations or communities through arts and recreation.

MAPPING OF COs AND POs

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9
CO1	L	L	L	L	L	M	M	L	H
CO2	M	M	L	L	L	M	H	L	H
CO3	L	L	L	L	L	M	H	H	M
CO4	L	L	L	L	L	H	H	H	H

Master of Architecture in Urban Design
M Arch UD
2023-25

1. CORE COURSE

Course Title   : **Urban Design Studio I - Urban Studies and Design**
Course Code   : **23MUD-1DS11P**
Course Credits   : **8**
Teaching Mode   : **Studio**

COURSE CODE	COURSE TITLE	TEACHING HOURS/WEEK			Credits	EXAMINATION SCHEME		
		L	S	Total		Internal Assessment	External Jury	External Exam
23MUD-1DS11P	Urban Design Studio I - Urban Studies and Design	-	8	8	8	50	50	

COURSE OUTCOMES

The student will be able to

CO 1: Organize primary and secondary information in the form of documentation and analysis.

CO 2: Engage with social, environmental and economic factors of places to understand the experiential and phenomenal aspect of cities.

CO 3: Synthesize material and demonstrate an understanding of the place. **CO 4**: Assemble and formulate elementary design solutions for the area.

MAPPING OF PSO AND CO

CO/PSO	PSO 1	PSO 2	PSO 3	PSO 4
CO 1	H	H	M	M
CO 2	H	H	M	M
CO 3	H	H	H	H
CO 4	H	H	H	H

MAPPING OF PO AND CO

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	M	M	H	H	L	L	H	M	H	M
CO2	H	H	H	H	M	M	H	M	H	M
CO3	H	H	H	H	M	M	H	M	H	M
CO4	H	H	H	H	M	M	H	H	H	M

2.   CORE COURSE

Course Title   : **Theory and Method I - Evolution of Urbanity**
Course Code   : **23MUD-5TM11P**
Course Credits   : **2**
Teaching Mode   : **Lecture**

| COURSE CODE | COURSE TITLE | TEACHING HOURS/WEEK | | | Credits | EXAMINATION SCHEME | | |
		L	S	Total		Internal Assessment	External Jury	External Exam
23MUD-5TM11S	Theory and Method I Evolution of Urbanity	2	-	2	2	50	50	-

COURSE OUTCOMES

The student will be able to

CO 1: List and discuss different theories on how settlements originated and developed over the years.

CO 2: Illustrate the relationship of urban form and space in historical and theoretical terms.

CO 3: Examine the process of development of urbanity and its form.

CO 4: To be aware of the role of urban designers in redefining the urban landscape of cities.

MAPPING OF PSO AND CO

CO/PSO	PSO 1	PSO 2	PSO 3	PSO 4
CO 1	H	M	M	M
CO 2	H	H	M	M
CO 3	H	H	H	M
CO 4	H	H	H	H

MAPPING OF PO AND CO

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	H	H	H	H	L	L	H	H	H	H
CO2	H	H	H	H	M	L	H	M	H	H
CO3	H	H	H	H	M	L	H	M	H	M
CO4	M	M	M	H	H	L	H	H	M	H

3. ABILITY AND SKILL ENHANCEMENT COURSE

Course Title : Strategic Innovation Lab I - Digital skills
Course Code : 23MUD-7DS11S
Course Credits : 2
Teaching Mode : Lecture, Studio

COURSE CODE	COURSE TITLE	TEACHING HOURS/WEEK			Credits	EXAMINATION SCHEME		
		L	S	Total		Internal Assessment	External Jury	External Exam
23MUD-7DS11S	Strategic Innovation Lab I - Digital Skills	1	1	2	2	100	-	-

COURSE OUTCOMES

The student will be able to

CO 1: Define the physical, computational, and perceptual basis for remote sensing.

CO 2: Recognize fundamental concepts and practices of Geographic Information Systems (GIS)

CO 3: Demonstrate proficiency in the use of GIS tools to create maps that are fit-for-purpose and effectively convey the information they are intended to.

CO 4: Construct a GIS project from proposal to end product which contains sound reasoning in the use of methods

MAPPING OF PSO AND CO

CO/PSO	PSO 1	PSO 2	PSO 3	PSO 4
CO 1	L	L	L	L
CO 2	L	L	H	M
CO 3	M	M	M	M

CO 4	M	H	H	H

MAPPING OF PO AND CO

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	H	H	H	H	H	M	M	M	H	M
CO2	H	H	H	H	H	M	M	M	H	M
CO3	H	H	H	H	H	M	M	M	H	M
CO4	H	H	H	H	H	H	M	M	H	M

4.   ABILITY AND SKILL ENHANCEMENT COURSE

Course Title   : **Strategic Innovation Lab I - Service Learning and Community Engagement**
Course Code   : **23MUD-7CE11S**
Course Credits   : **2**
Teaching Mode   : **Lecture, Studio**

COURSE CODE	COURSE TITLE	TEACHING HOURS/WEEK			Credits	EXAMINATION SCHEME		
		L	S	Total		Internal Assessment	External Jury	External Exam
23MUD-7CE11S	Strategic Innovation Lab I - Service Learning and Community Engagement	1	1	2	2	100	-	-

COURSE OUTCOMES

The student will be able to:

CO1 : Identify and define characteristics of the community.

CO2 : Evaluate the efficacy of community engagement strategies/methodologies

CO3 : Synthesize the gathered information

CO4 : Develop effective and innovative techniques for community collaboration over a project.

MAPPING OF PSO AND CO

CO/PSO	PSO 1	PSO 2	PSO 3	PSO 4
CO 1	H	M	M	M
CO 2	H	H	H	H
CO 3	M	M	M	H
CO 4	H	H	H	H

MAPPING OF PO AND CO

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	H	H	M	H	H	H	H	H	H	H
CO2	H	H	M	H	H	H	H	H	H	H
CO3	H	H	M	H	H	H	H	H	H	H
CO4	H	H	M	H	H	H	H	H	H	H

5.   ABILITY AND SKILL ENHANCEMENT COURSE

Course Title   : **Future Trends 1 - Material Documentation & Representation**
Course Code   : **23MUD4FT11S**
Course Credits   : **2**
Teaching Mode   : **Lecture, Studio**

| COURSE CODE | COURSE TITLE | TEACHING HOURS/WEEK | | | Credits | EXAMINATION SCHEME | | |
		L	S	Total		Internal Assessment	External Jury	External Exam
23MUD-4FT11S	Future Trends 1 - Material Documentation & Representation	1	1	2	2	100	-	-

COURSE OUTCOMES

The student will be able to

CO 1: Define the concepts and organizing principles of urban design and the particular characteristics and qualities of urban space

CO 2: Explore ways of reading, data gathering, noting, interpreting,

CO 3: Observe, represent and employ drawing as a tool of representation for conceiving and guiding in Urban Design.

CO 3: Analyse the methods of practice commonly used in the field of urban design.

CO 4: Communicate effectively and convincingly both orally and graphically in the discipline of Urban Design

MAPPING OF PSO AND CO

CO/PSO	PSO 1	PSO 2	PSO 3	PSO 4
CO 1	H	M	M	M
CO 2	H	H	M	M
CO 3	M	H	M	M

CO 4	H	H	H	H

MAPPING OF PO AND CO

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	H	H	H	H	H	L	H	H	M	H
CO2	H	H	H	H	H	L	H	H	M	M
CO3	M	H	H	H	M	M	M	M	H	L
CO4	H	H	H	H	H	L	H	H	M	M
CO5	H	H	H	H	H	M	H	H	M	M

6.   DISCIPLINE SPECIFIC ELECTIVES I

Course Title   : **Elective I**
Course Code   : **varies**
Course Credits   : **2**
Teaching Mode   : **Lecture**

23MUD-6CS11S	Culture and Society
23MUD-6PD11S	Patterns of Development
23MUD-6PM11S	Planning and Management
23MUD-6TT11S	Tools and Techniques
23MUD-6DT11S	Design Thinking
23MUD-6SD11S	Sustainable Design
23MUD-6GR11S	Digital Skills & Graphic Representation
23MUD-6MJ11S	Media and Journalism
23MUD-6FB11S	Finance and Business Management

COURSE CODE	COURSE TITLE	L	S	Total	Credits	Internal Assessment	External Jury	External Exam
varies	Elective I	2	-	2	2	100	50	-

COURSE OUTCOMES

The student will be able to

CO 1: Recognize other specializations or advance learning in subjects covering emerging areas of concern.

CO 2: Apply and synthesise new skills that are being formed.

CO 3: Appraise other fields of design and planning and work collectively with a diverse team.   **CO 4**: Assemble and bring about a new construct in the chosen field of interest.

MAPPING OF PSO AND CO

CO/PSO	PSO 1	PSO 2	PSO 3	PSO 4
CO 1	H	H	M	M
CO 2	H	H	H	H
CO 3	H	H	M	M
CO 4	H	H	H	H

MAPPING OF PO AND CO

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	M	H	L	H	H	H	H	H	H	H
CO2	M	H	M	H	H	H	H	H	H	H
CO3	M	H	L	H	H	H	H	H	H	H
CO4	M	H	L	H	H	M	H	H	H	H

SCHOOL OF ART AND ARCHITECTURE

PROGRAM- BFA

ART HISTORY - 2

COURSE CODE	COURSE TITLE	COURSE STRUCTURE				CREDITS	EXAMINATION SCHEME	
		Lecture	Tutorial	Studio	Practical	2	Internal Assessment	External Exam
21BFA-AH24T	Art History – 2	2	0	0	0		40	60

COURSE OUTCOMES (COs)

The students would be expected to:

CO1. General overview and understanding of the history and development of Indian Art in its social, cultural, and historical context.

CO2. Understanding the basic concepts, tenets, and aesthetics of Indian Art with respect to different art forms like Paintings, Sculpture, and Architecture.

CO3. To develop an appreciation of skills and styles of traditional Indian art forms belonging to different time periods. This also includes the use of critical thinking skills in evaluating and analyzing a work (or works) of art within a larger context.

MAPPING OF COs AND PSO

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8
CO1	H	H	H	H	L	L	M	M
CO2	H	H	L	H	H	L	M	M
CO3	H	H	H	H	h	M	M	H

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
CO1	H	H	H	H	H	M	H	M	H	M	H
CO2	H	H	H	M	H	M	H	M	L	H	H
CO3	H	H	H	M	H	M	H	H	H	M	H
CO4	H	H	H	H	H	M	H	M	L	H	H
CO5	H	H	H	H	H	M	H	H	H	H	H
CO6	H	H	H	M	H	M	H	M	L	H	H

CONTEMPORARY ART PRACTICES- 2

COURSE CODE	COURSE TITLE	COURSE STRUCTURE				CREDITS	EXAMINATION SCHEME	
21BFA-CP47P	**CONTEMPORARY ART PRACTICES-**	Lecture	Tutorial	Studio	Practical	2	Internal Assessment	External Jury
		0	1	2	0		40	60

COURSE OUTCOMES (COs)

The students would be expected to demonstrate:

CO1. Apply different concepts and reasons for detailed visualization of form and structure. Perform some of common & and unique values/knowledge of contemporary art study taught during the course simultaneously to meet professional requirements.

CO2. To be able to create aesthetically engaging configurations in terms of chromatic expression and visual engagement.

CO3. Invent a unique and personalized visual language based on thoughts and display.

MAPPING OF COs AND PSOs

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8
CO1	H	H	H	H	L	L	M	M
CO2	H	H	H	H	H	L	M	M
CO3	H	H	H	H	M	M	M	H

CORE COURSE

Course Title   : Painting-5
Course Code   : 21BFA-PA35P
Course Credits   : 4
Teaching Mode   : Offline

COURSE CODE	COURSE TITLE	TEACHING HOURS/WEEK		CREDITS	EXAMINATION SCHEME		
		Tutorial	Studio		Internal Assessment	External Jury	External Exam
21BFA-PA35P	Painting-5	4	8	8	40	60	NA

Course Outcomes

The students would be expected to:

CO1. Utilize diverse painting and color blending methods to intricately capture form and structure while integrating essential portrait study principles for professional excellence.

CO2. To be able to create aesthetically engaging configurations in terms of chromatic expressions.

CO3. Invent a unique and personalized visual language based on colour harmonies.

MAPPING OF COs AND POs

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11
CO1	H	H	H	H	L	L	M	M	L	H	H
CO2	H	H	H	H	H	L	M	M	L	H	H
CO3	H	H	H	H	M	M	M	H	M	H	H

H-High, M-Medium, L-Low

MAPPING OF COs AND PSOs

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8
CO1	H	H	H	H	L	L	M	M
CO2	H	H	H	H	H	L	M	M
CO3	H	H	H	H	M	M	M	H

SCHOOL OF ART AND ARCHITECTURE,

MASTER OF PLANNING
(URBAN PLANNING)
2023-2024

Course Code	Course Title	L	T	P	Credits
21MUP-1PS11P	Planning Studio- I: Area Planning	2	3	6	8

Course Outcome

CO1: Knowledge: Understanding - The process of area appreciation and analysis.

CO2: Skills (Apply + Analyse) - To train students in conducting surveys of various types of an urban area. Software based learning on GIS.

CO3: Values, Orientations and Awareness (Evaluate) - To appreciate and demonstrate the value of context specific information and integrate them into area-based developments.

CO4: Design (Create) -To design and develop site-specific plans.

Learning Outcomes

Students will be able to understand and conduct area appreciation exercise, surveys, site planning and appreciate its relationship with Master Plan. They will gain an understanding of the urban planning process, the area level urban issues, administrative functioning, and the scope and limitations of urban planning.

Student Experience

Students will work in Studios, have discussions in groups, undertake tutorial, refer library, field and office visits, undertake surveys on site and compile research studies, make presentations, undertake guided individual study exercises to reinforce understanding and to apply it to specific planning aspect.

Relationship between the Course Outcomes (COs) and Program Outcomes (POs)

Mapping between COs and POs		
	Course Outcomes (COs)	Mapped Programme Outcomes
CO1	Knowledge: Understanding the process of area appreciation and analysis.	PO 1, PO 2, PO 3, PO 4, PO 5, PO 6, PO 7, PO 8, PO 9, PO 10
CO2	Skills (Apply + Analyse) - To train students in conducting surveys of various types of an urban area.	PO 1, PO 2, PO 3, PO 4, PO 5,

		PO 6, PO 7, PO 8, PO 9, PO 10
CO3	Values, Orientations and Awareness (Evaluate) - To appreciate and demonstrate the value of context specific information and integrate them into area-based developments.	PO 1, PO 2, PO 3, PO 4, PO 5, PO 6, PO 7, PO 8, PO 9, PO 10
CO4	Design (Create) -To design and develop site-specific plans.	PO 1, PO 2, PO 3, PO 4, PO 5, PO 6, PO 7, PO 8, PO 9, PO 10

Programme outcome (PSO) and Course Outcome(CO) Mapping

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	High	High	Medium	Medium	Low	High	Low	High	High	Low
CO2	High	High	High	Medium	Low	High	Medium	High	High	Medium
CO3	High	High	Low	Medium	High	Medium	Medium	High	Medium	Low
CO4	High	High	High	High	High	High	High	High	High	High

Programme Specific Outcome (PSO) and Course Outcome(CO) Mapping

	CO1	CO2	CO3	CO4
PSO1	H	H	M	L
PSO2	H	H	M	M
PSO3	L	M	H	H

H: High **M:** Medium **L:**Low

Course Code	Course Title	L	T	P	Credits
21MUP-2PT11T	Planning History and Theory	2	0	0	2

Course Objective

The course aims to critically understand the significance of histories, theories of planning, development, relating it to the present settlement planning.

Course Outcomes

CO1: Understand: To critically understand economic, political, cultural, social and other forces shaping built environments in history

CO2: Knowledge: To demonstrate appreciation and knowledge of histories of planning

CO3: Values, Orientations and Awareness (Evaluate) - To explain and analyse abstract theoretical formulations.

Learning Outcomes

Students will be able to use the concepts of planning theories and relate it to the present settlement planning.

Student Experience

Students will attend lectures, have discussions in groups, undertake tutorial, refer library resources,, make presentations, undertake guided individual study exercises to reinforce understanding and to apply it to specific planning aspect.

Relationship between the Course Outcomes (COs) and Program Outcomes (POs)

Mapping between COs and POs		
	Course Outcomes (COs)	Mapped Programme Outcomes
CO1	Understand: To critically understand economic, political, cultural, social, and other forces shaping built environments in history	PO 1, PO 2, PO 3, PO 4, PO 5, PO 6, PO 7, PO 8, PO 9, PO 10
CO2	Knowledge: To demonstrate appreciation and knowledge of histories of planning.	PO 1, PO 2, PO 3, PO 4, PO 5, PO 6, PO 7, PO 8, PO 9, PO 10

CO3	Values, Orientations and Awareness (Evaluate) - To explain and analyse abstract theoretical formulations.	PO 1, PO 2, PO 3, PO 4, PO 5, PO 6, PO 7, PO 8, PO 9, PO 10

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10
CO1	High	High	Medium	Medium	Low	High	Low	High	High	Low
CO2	High	High	Medium	Medium	Low	High	Low	High	High	Low
CO3	High	High	Medium	Medium	Low	High	Low	High	High	Low

Programme Specific Outcome (PSO) and Course Outcome(CO) Mapping

	CO1	CO2	CO3
PSO1	H	M	L
PSO2	M	H	M
PSO3	L	M	H

H: High **M:** Medium **L:**Low

Course Code	Course Title	L	T	P	Credits
21MUP-3TP11T	Techniques of Planning	2	0	0	2

Course Outcomes

On completion of this course, the students will be able to:

CO1- Knowledge (Remember + Understand) - To gain understanding of creating base maps and presenting planning information on maps.

CO2- Skills (Apply + Analyse) - To analyse the types of data required for planning and methods of data collection.

CO3- Values, Orientations and Awareness (Evaluate) - To demonstrate an understanding about data analysis and to be able to examine data for understanding the existing situation in a settlement.

Learning Outcomes
Students will be able to use the techniques to efficiently carry out the analysis, present data effectively and develop urban plans.

Relationship between the Course Outcomes (COs) and Program Outcomes (POs)

Mapping between COs and POs		
	Course Outcomes (COs)	**Mapped Programme Outcomes**
CO1	Knowledge (Remember + Understand): To gain understanding of creating base maps and presenting planning information on maps	PO 1, PO 2, PO 3, PO 4, PO 5, PO 6, PO 7, PO 8, PO 9, PO 10
CO2	Skills (Apply + Analyse) - To analyse the types of data required for planning and methods of data collection.	PO 1, PO 2, PO 3, PO 4, PO 5, PO 6, PO 7, PO 8, PO 9, PO 10
CO3	Values, Orientations and Awareness (Evaluate) - To demonstrate an understanding about data analysis and to be	PO 1, PO 2, PO 3, PO 4, PO 5, PO 6, PO 7, PO 8,
Mapping between COs and POs		
	Course Outcomes (COs)	**Mapped Programme Outcomes**

	able to examine data for understanding the existing situation in a settlement.	PO 9, PO 10

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10
CO1	High	High	Medium	Medium	Low	High	Low	High	High	Low
CO2	High	High	High	Medium	Low	High	Medium	High	High	Medium
CO3	High	High	Medium	Medium	Low	High	Low	High	High	Low

Programme Specific Outcome (PSO) and Course Outcome(CO) Mapping

	CO1	CO2	CO3
PSO1	H	H	M
PSO2	H	H	M
PSO3	L	M	H

H: High **M:** Medium **L:**Low

Course Code	Course Title	L	T	P	Credits
21MUP-4SE11T	Socio- economic and Environmental Dimensions of Planning	2	0	0	2

Course Objectives

The course aims to provide basic understanding of the social, economic and environmental challenges that cause for initiating or subverting the planning process.   Course Outcomes

On completion of this course, the students will be able to:

CO 1- Knowledge (Remember + Understand): Understand the key concepts of sociology, economics and environment and their applicability in the current planning context.

CO 2- Skills (Apply +Analyse): Develop capabilities for integration of knowledge from multiple fields.

CO 3- Values, Orientations and Awareness (Evaluate): To appreciate and demonstrate the importance of inter-disciplinary knowledge in addressing critical issues.

Learning Outcomes

By the end of this course, students will be able to

• Apply the key concepts and theories of economics, social science and environmental science in their areas of engagement.

•Conduct environmental impact assessments using the appropriate tools and techniques.

Relationship between the Course Outcomes (COs) and Program Outcomes (POs)

Mapping between COs and POs		
	Course Outcomes (COs)	**Mapped Programme Outcomes**
CO1	Knowledge: Understand the key concepts of sociology, economics and environment and their applicability in the current planning context.	PO 1, PO 2, PO 3, PO 4, PO 5, PO 6, PO 7, PO 8, PO 9, PO 10
CO2	Skill: Develop capabilities for integration of knowledge from multiple fields.	PO 1, PO 2, PO 3, PO 4, PO 5, PO 6, PO 7, PO 8, PO 9, PO 10
CO3	Values, Orientations and Awareness (Evaluate) - To	PO 1, PO 2, PO 3, PO 4, PO

	appreciate and demonstrate the importance of interdisciplinary knowledge in addressing critical issues.	5, PO 6, PO 7, PO 8, PO 9, PO 10

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10
CO1	High	High	Medium	Medium	Low	High	Low	High	High	Low
CO2	High	High	High	Medium	Low	High	Medium	High	High	Medium
CO3	High	High	Low	Medium	High	Medium	Medium	High	Medium	Low

Programme Specific Outcome (PSO) and Course Outcome(CO) Mapping

	CO1	CO2	CO3
PSO1	H	M	M
PSO2	M	H	H
PSO3	L	H	H

H:High **M:**Medium **L:**Low

Course Code	Course Title	L	T	P	Credits
21MUP-5HC11T	Housing and Community Planning	2	0	0	2

Course Outcomes

CO1: Knowledge and understanding - Understanding on housing as an industry and its role in shaping urban infrastructure.

CO2: Skills (Apply + Analyse) - To review the suitability of residential opportunities in an established community and formulate a detailed plan.

CO3: Values, Orientations and Awareness (Evaluate) - To sensitize and engage in shaping places through planned infrastructure.

Learning Outcomes

At the end of the course, students will have a comprehensive understanding on the issues related to urban infrastructure planning particularly related to housing sector.

Relationship between the Course Outcomes (COs) and Program Outcomes (POs)

	Mapping between COs and POs	
	Course Outcomes (COs)	**Mapped Programme Outcomes**
CO1	Knowledge: Roles and responsibilities of various agencies and development controls	PO 1, PO 2, PO 3, PO 4, PO 5, PO 6, PO 7, PO 8, PO 9, PO 10
CO2	Skill: Understanding the concept and importance of regional development in planning process.	PO 1, PO 2, PO 3, PO 4, PO 5, PO 6, PO 7, PO 8, PO 9, PO 10
CO3	Values, Orientations and Awareness (Evaluate) - Regional Planning process in India, Regions in India, Demarcation of a region, hierarchy of settlements in a region and case studies of different regions.	PO 1, PO 2, PO 3, PO 4, PO 5, PO 6, PO 7, PO 8, PO 9, PO 10
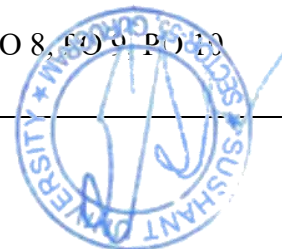
	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10
CO1	High	High	Medium	Medium	Low	High	Low	High	High	Low
CO2	High	High	High	Medium	Low	High	Medium	High	High	Medium
CO3	High	High	Low	Medium	High	Medium	Medium	High	Medium	Low

Programme Specific Outcome (PSO) and Course Outcome(CO) Mapping

	CO1	CO2	CO3
PSO1	H	H	M
PSO2	H	H	H
PSO3	H	H	L

H: High **M:** Medium **L:**Low **References**

Course Code	Course Title	L	T	P	Credits
21MUP-6SP11T	**Statistics in Planning**	0	0	2	1

Course Outcomes

CO1: Knowledge and understanding: To analyze the planning data collected from various sources to calculate growth rate, project demand and growth of resources in an area.

CO2: Skills (Apply + Analyze) - To train students to interpret data and determine policy implications and planning interventions

CO3: Values, Orientations and Awareness (Evaluate) - To learn the evaluation method for establishing the relationship between the variables.

Relationship between the Course Outcomes (COs) and Program Outcomes (POs)

Mapping between COs and POs		
	Course Outcomes (COs)	**Mapped Programme Outcomes**
CO1	Knowledge: To analyze the planning data collected from various sources to calculate growth rate, project demand and growth of resources in an area.	PO 1, PO 2, PO 3, PO 4, PO 5, PO 6, PO 7, PO 8, PO 9, PO 10
CO2	Design: Preparation of a project report by using data from secondary sources like Census of India, Planning commission etc.	PO 1, PO 2, PO 3, PO 4, PO 5, PO 6, PO 7, PO 8, PO 9, PO 10
CO3	Skills (Apply + Analyse) - To train students to interpret data and determine policy implications and planning interventions	PO 1, PO 2, PO 3, PO 4, PO 5, PO 6, PO 7, PO 8, PO 9, PO 10

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10
CO1	High	High	Medium	Medium	Low	High	Low	High	High	Low
CO2	High	High	High	High	High	High	High	High	High	High
CO3	High	High	Low	Medium	High	Medium	Medium	High	Medium	Low

Programme Specific Outcome (PSO) and Course Outcome(CO) Mapping

	CO1	CO2	CO3
PSO1	H	M	L
PSO2	M	H	M
PSO3	L	M	H

H: High **M:** Medium **L:**Low

Course Code	Course Title	L	T	P	Credits
21MUP-7GP11T	**Geo-informatics in Planning**	0	0	2	1

Course Outcomes

CO1: Knowledge and understanding: Understanding on the basis concepts of Geographic Information Systems and Remote Sensing.

CO2: Skills (Apply + Analyze) - To employ suitable tools and techniques in planning exercise **CO3: Values, Orientations and Awareness (Evaluate) -** To sensitize on issues related to spatial data and key regulations associated with them

CO4: Design (Create) – To deploy the skills to generate maps/plans and spatial analysis for planning exercises & formulate proposals.

Learning Outcomes:

Students who have undertaken this course would have acquired knowledge and skills in GIS and Remote Sensing.

Relationship between the Course Outcomes (COs) and Program Outcomes (POs)

Mapping between COs and POs		
	Course Outcomes (COs)	**Mapped Programme Outcomes**
CO1	Knowledge and understanding: Understanding on the basis concepts of Geographic Information Systems and Remote Sensing.	PO 1, PO 2, PO 3, PO 4, PO 5, PO 6, PO 7, PO 8, PO 9, PO 10
CO2	Skills (Apply + Analyse) – To employ suitable tools and techniques in planning exercise	PO 1, PO 2, PO 3, PO 4, PO 5, PO 6, PO 7, PO 8, PO 9, PO 10
CO3	Values, Orientations and Awareness (Evaluate) - To sensitize on issues related to spatial data and key regulations associated with them.	PO 1, PO 2, PO 3, PO 4, PO 5, PO 6, PO 7, PO 8, PO 9, PO 10
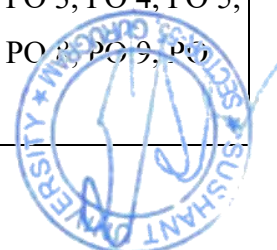
	CO4	Design (Create) - To deploy the skills to generate maps/plans and spatial analysis for planning exercises & formulate proposals.	PO 1, PO 2, PO 3, PO 4, PO 5, PO 6, PO 7, PO 8, PO 9, PO 10

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10
CO1	High	High	Medium	Medium	Low	High	Low	High	High	Low
CO2	High	High	High	Medium	Low	High	Medium	High	High	Medium
CO3	High	High	Low	Medium	High	Medium	Medium	High	Medium	Low
CO4	High	High	High	High	High	High	High	High	High	High

Course Code	Course Title	L	T	P	Credits
21MUP- 8SL11P	**Service Learning and Community Service**	0	2	0	2

Course Outcome

CO1: Knowledge and Understanding: Understanding the structured method of creating an efficient community service programme

CO2: Skills (Apply + Analyze) - To train students for conducting stakeholder consultations, focus group discussions and workshops.

CO3: Values, Orientations and Awareness (Evaluate) - To develop a sense of identity and relate to the core value of planning profession

CO4: Design (Create) – To design and develop a workshop to reach out to community and connect with a community at large

Learning Outcomes

The community service course with help the students in their personal growth, skills and dispositional development such as empathy. Broad level outcome expected from this course are:

- **Critical Thinking** – students are able to identify problems in the community and address it in a practical and efficient manner.
- **Communication** – these activities promote communication and teach students to communicate effectively using writing and speaking skills, encourages them to practice listening skills, understand body language, and helps to teach them how to communicate respectfully and effectively.
- **Career and Teamwork**– helps to develop strong leadership skills, allows students to work well in a team.
- **Civic Responsibility** – students are encouraged to get involved in the local community, showcasing them how to have a positive impact on society and encourages awareness.