

GANPAT UNIVERSITY										
FACULTY OF ARCHITECTURE DESIGN & PLANNING										
Programme	Bachelor of Architecture				Branch/Spec.	INSTITUTE OF ARCHITECTURE				
Semester	I				Version	3.0.0.0				
Effective from Academic Year	2021-22				Effective for the batch Admitted in	June 2021				
Subject code	3IA01DS		Subject Name		DESIGN STUDIO - I					
Teaching scheme					Examination scheme (Marks)					
(Per week)	Lecture(DT)		S/W/T		Total		CIE	SE	UE	Total
	L	TU	S/W/T	TW						
Credit	-	-	4	-	4	Theory	-	-	-	-
Hours	-	-	4	-	4	Jury/Viva/TW	40	20	40	100
Objective:										
<input type="checkbox"/> To introduce students to the language of architecture and characteristics of space through creative thinking. <input type="checkbox"/> Introduction of basic fundamentals of design and design vocabulary with respect to function and aesthetics. <input type="checkbox"/> Developing basic skill of expression that involves the ability to perceive, abstract and create the design of objects and spaces. <input type="checkbox"/> Form and Space Making. Experiencing movement through space and time. Anthropometry and space.										
Learning Outcome:										
LO1: Translate abstract principles of design into architectural language.										
LO2: Apply basic design principles to create architectural space and form.										
LO3: Recognize the importance of anthropometry in creation of functional space.										
CONTENT & TEACHING UNITS										
Unit	Content									HRS
1	Unlearn & Relearn – Abstract representation of events, memories, activities, objects and moods. Learning basics of architectural representation.									12
2	Principles of 2D and 3D compositions, function specific design solutions, developing aesthetical and technical understanding of space making, Introduction of the form and function, order and variations, basic organizational principles, Understanding the human body in space, Activities and their relationship with spaces, Scales and proportions, abstractions, sensory stimuli as components of architectural design.									12
3	Space making and place making, theme based compositions, volumetric studies, area studies, Literature Review. Exercises related to elements of design, and perception of space.									16
4	Exercises related to Parameters of design, anthropometrics, human activity and the use of space, Interrelationship of architectural space to form, structure, and materials to help students develop a visual and tacit structural understanding through models and installations.									16
7	Design of a simple architectural form based on an understanding of anthropometrics.									16
Reference Books										
1	Form, Space & Order-Francis D.K. Ching.									
2	Lessons for Students in Architecture 1 & 2-Herman Hertzberger.									
3	Experiencing Architecture- Steen Eiler Rasmussen.									
4	Basic principles of Design - Maier Manfred (publisher: Van Nostrand Reinhold NY)									

5	Introduction to Architecture – James Snyder, Anthony Caterex
6	Architecture Scale & Proportion and architecturally speaking - Eugene Ruskin.
7	Towards New Architecture – Le Corbusier
8	Architecture: The Appreciation of Arts - Sinclair Gaudie.
9	Principles of three Dimensional Design by Wucius Wong (publisher: Van Nostrand Reinhold NY)
10	Architecture: Scale and proportion - Eugene Ruskin

Note:

- (I) Exercises related each unit has to be carried out distinctively.
- (II) Relevant case studies and literature studies can be given by the studio teachers and report has to be compiled by the students.
- (III) The portfolio covering the above topics shall be presented for viva voce.

Note: Continuous Internal Evaluation shall be divided into A. 20% -Attendance B. 80% - Periodic Evaluation

CIE- Continuous Internal Evaluation, SE-Summative Evaluation (Jury/Viva/Theory Exam), UE- University Exams (Jury/Viva/Theory Exam)

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Semester	I				Version	3.0.0.0				
Effective from Academic Year	2021-22				Effective for the batch Admitted in	June 2021				
Subject code	3IA02BD		Subject Name	BASIC DESIGN - I						
Teaching scheme					Examination scheme (Marks)					
(Per week)	Lecture (DT)		S/W/T		Total		CIE	SE	UE	Total
	L	TU	S/W/T	TW						
Credit	-	-	6	-	6	Theory	-	-	-	-
Hours	-	-	6	-	6	Jury/Viva/TW	40	20	40	100
Objective:										
<input type="checkbox"/> The Basic design as an important process, which aims to shape the design sensitivities of students and to develop their communicative abilities as well as their problem-solving skills. <input type="checkbox"/> In the Foundation Design Studio, first-year architecture, interior and fine arts students are introduced to fundamental design principles, methods, visual judgment, and the creative process. <input type="checkbox"/> Studio exercises are intended to provide hands-on practice in ordering a design inquiry and structuring conceptual and visual arguments.										
Learning Outcome:										
After the completion of the studio the student will be able to develop a set of fundamental skills: LO1: Visual (seeing, looking, observing); LO2: Manual (making); and LO3: Intellectual (comparing, contrasting, abstracting, and assessing) LO4: Students are introduced to a broad range of media and methods to help build confidence in their cognitive, conceptual, and technical skills. A significant component of the studio is dedicated to element of design.										
CONTENT & TEACHING UNITS										
Unit	Content									HRS
I	Students will explore the nature of design. Emphasis is given to the elements and principles of design and visual relationships between them. Students will develop skills in the application of diverse approaches to creative problem solving based on methodologies and conceptual frameworks in contemporary design processes through series of exercises.									18
	Developing Visual Literacy 1.A Learning visual language Outdoor sketching Perspective drawing/ Freehand scaled drawings Exploring various art materials like water colour, ink, pastels, acrylic etc.									
	1.B Warm-up exercise focused on Disciplined observation, Iterative process, and Critical graphic and verbal interrogation of ideas.									18

II	Introduction to Design Principle (Foundation) The fundamental principles of design: Emphasis, Balance, Alignment, Contrast, Repetition, Rhythm, Proportion, Movement.	24
III	Introduction to Composition 2.A From Design Perspective- Approach to 3D Composition: The subjects of composition and order should move from two-dimensional considerations of shape, line, surface, and value, to three-dimensional investigations of form, space, light, motion/time, and colours.	12
	2.A1 From Design Perspective- Approach to 2D Composition: Exploring the basic elements of design and creating 2 D compositions keeping the principles of Design in consideration.	12
IV	Composition 3.A Adding narratives to composition	12
	3.A1 Introduction to colour theory- adding colours to composition.	12
Text Books		
1	Principles of Basic Design - Vol. 1 to 4 – Maier Manfred	
Reference Books		
1	Broadbent, G., 1973. Design in Architecture - Architecture and Human Science. John Wiley and Sons., New York.	
2	Chauhan, P., 2005. Learning Basic Design. Rizvi College of Architecture, Mumbai.	
3	Ching, F. D. K., 1997. Design Drawing. John Wiley & Sons., Hoboken	
4	Ching, F. D. K., 2012. Architecture: Form, Space and Order. 3rd Ed. Hoboken: John Wiley & Sons	
5	Roger, K. L., 1998. Architect? A Candid Guide to the Profession. The MIT Press, Cambridge.	
6	Rasmussen, S., 1962. Experiencing Architecture. 2nd Rev. Ed. MIT Press, Cambridge.	

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Effective from Academic Year	2021-22				Effective for the batch Admitted in	June - 2021				
Subject code	3IA03GT		Subject Name		GRAPHICS AND TECHNIQUES - I					
Teaching scheme					Examination scheme (Marks)					
(Per week)	Lecture(DT)		S/W/L		Total		CIE	SE	UE	Total
	L	TU	S/W/T	TW						
Credit	2	-	4	-	6	Theory	40	20	40	100
Hours	2	-	4	-	6	Jury/Viva/TW	-	-	-	-
Objective:										
<ul style="list-style-type: none"> <input type="checkbox"/> The course focuses on “Visual Literacy” which enables students to represent ideas technically and visually accurate. <input type="checkbox"/> This course introduces students to the fundamental techniques of architectural drawing and development of appropriate manual and computer skills for visualization and technical representation of built forms in different types of drawings. The course also acts as a bridge building cognitive and motor skills & qualifies students to understand the importance of scale in representing drawings. 										
Learning Outcome:										
<p>After completion of this course, the student will be able to develop a set of fundamental skills:</p> <p>Manual Skills:</p> <ul style="list-style-type: none"> • Understand architectural drafting tools and their application • Understand the concepts of architectural drawing techniques • Read Architectural drawings (Plan, Section, Elevation) • Understand scale, proportions and volume <p>Computer Skills:</p> <ul style="list-style-type: none"> • Understand the Software – AutoCAD and its application in the field of design 										
CONTENT AND TEACHING UNITS										
Unit	Content									HRS
I Manual Drafting Tools and Techniques	<ul style="list-style-type: none"> • Introduction to drafting tools and its application. • Introduction to fundamental elements of drawing -lines, line type and intensity. • Developing & exploring various techniques to use typography – styles and character 									18
II Scale and Proportions	<ul style="list-style-type: none"> • Develop sense of scale and proportions of the given object/space/ form. • Develop understanding and applicability of scale in drawings. 									12
III Drawing Literacy	<ul style="list-style-type: none"> • Develop understanding of Design drawings - Plans, Sections and Elevations. • Drafting technical drawings based on learnings of Module-I & II. 									24

IV AutoCAD Tools and Techniques	<ul style="list-style-type: none"> • Introduction to AutoCAD tools and its application. • Learning to draw in the AutoCAD software. 	18
V Drawing and Layering	<ul style="list-style-type: none"> • Introduction to Drawings – Plan, Section, Elevations. • Understanding the layer system, layer manager. 	24
VI Layouts & Plotting	<ul style="list-style-type: none"> • Introduction to Layouts – Panel Composition with various scales. • Understanding Scales, related line weights. 	12
Text Books		
1	NA	
Reference Books		
1	Francis D. K. Ching, 'Drawing, Space, Form, Expression', John Wiley & Sons, 2015	
2	K. Venugopal, 'Engineering Drawing And Graphics + AutoCAD', New Age International, 2007	
3	Dennis J. Hall, Nina M. Giglio, 'Architectural Graphic Standards', John Wiley & Sons, 2015	

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Effective from Academic Year	2021-22				Effective for the batch Admitted in	June 2021				
Subject code	3IA04BMC		Subject Name	BUILDING MATERIALS AND CONSTRUCTION - I						
Teaching scheme					Examination scheme (Marks)					
(Per week)	Lecture(DT)		S/W/T		Total					
	L	TU	S/W/T	TW		CIE	SE	UE	Total	
Credit	2	-	2	-	4	Theory	40	20	40	100
Hours	2	-	2	-	4	Jury/Viva/TW	-	-	-	-
Objective:										
<ul style="list-style-type: none"> <input type="checkbox"/> The Emphasis of the course is to orient students towards various aspects of “design execution” through hands on workshops, field visits and observation-based exercises. <input type="checkbox"/> The course introduces basic building materials and components of building assembly. <input type="checkbox"/> The focus is to familiarise students with commonly known building materials, understand their properties through practical working and learn about their application in building design. 										
Learning Outcome:										
LO1: Identify and differentiate types of building materials with its properties & applications.										
LO2: Identify building components from sub structure to super structure and understand the role of each building component in overall building assembly and structural system.										
LO3: Analyse a design decision situation in the context of material choice										
CONTENT & TEACHING UNITS										
Unit	Content									HRS
1	(i) Building Basics-1: Understanding “building”, its functions and classification, understanding building as an “integrated assembly of various components”, understanding building as “structure”, and understanding relationship between nature and structure (ii) Building Basics-2: History and evolution of building design & construction technology, materiality of buildings									16
2	PALETTE-1: SAND, CLAY, CEMENT, LIME, MORTAR PALETTE-2: BAMBOO, WOOD, STONE PALETTE-3: GLASS, METALS (i) Classification of Materials: different types of materials-natural/man-made, source of materials, use and application of different materials (ii) Properties of Materials: physical and chemical properties, manufacturing process, various tests to check strength of materials, different grades of materials, use and application of specific material									24
3	(i) Components of Building: Concepts of substructure and superstructure, identifying different building components and their role in building assembly: foundation, plinth, beam, column, wall, stairs, openings (door, window, ventilators), sill, lintel, weather shed, parapet, balcony: understanding their interrelationship as a complete system (ii) Load transferring systems: Introduction to load bearing, frame and composite structure									32

	(iii) Classification of building components (with their purpose and selection criteria): Introduction to - types of foundations, types of staircases, types of walls, types of openings	
Reference Books		
1	Ching, Frank (Francis D.K.), 2014. Building Construction Illustrated. John Wiley & Sons, Inc. Hoboken, New Jersey.	
2	Ching, Frank (Francis D.K.), Barry S. Onouye, Douglas Zuberburhler, 2009. Building Structures Illustrated, patterns, systems, and design. John Wiley & Sons, Inc., Hoboken, New Jersey.	
3	McKay W.B., 2005. Building Construction, Volume 1 to 4, Longman Group Ltd., London.	
4	Barry, R, 1999. Building Construction, Volume 1 to 5, Blackwell Science Ltd.	
5	Moxley R., 1961. Mitchell's Elementary Building Construction. B. T. Batsford, London.	
6	Kumar, Sushil, 2003. Building Construction, 19th Ed. Standard Publishers, Delhi.	
7	Sharma S.K., 2019. Civil Engineering construction Materials. Khanna Publishing, New Delhi	
8	Rangwala, S. C., 1963. Building Construction: Materials and types of Construction. John Wiley and Sons, New York.	

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Semester	I				Version	3.0.0.0				
Effective from Academic Year	2021-22				Effective for the batch Admitted in	June 2021				
Subject code	3IA05STR		Subject Name		STRUCTURE - I					
Teaching scheme					Examination scheme (Marks)					
(Per week)	Lecture(DT)		S/W/T		Total		CIE	SE	UE	Total
	L	TU	S/W/T	TW						
Credit	2	-	-	-	2	Theory	40	20	40	100
Hours	2	-	-	-	2	Jury/Viva	-	-	-	-
Objective:										
<input type="checkbox"/> The course introduces Fundamentals of structural systems and analysis. <input type="checkbox"/> The course develops comprehensive understanding about building loads, concepts of load transfer, various structural components and their intrinsic relationships, basic structural systems and elementary structural analysis.										
Learning Outcome:										
LO1: Understand different types of loads on buildings, effects of load on building, load transfer & behaviour of various structural components										
LO2: Understand Mechanics of Solids - forces & force systems, its equilibrium, statically determinate beams, Centroid, Moment of inertia & Trusses.										
LO3: Analyse a design decision situation and structural system										
CONTENT & TEACHING UNITS										
Unit	Content									HRS
1	Introduction of Loads on Buildings (i) Building Loads: Types of loads on building, Effects of loads on building, Various types of load transfer actions. (ii) Structural Components: Various structural components: truss, arch, dome, vault etc & its behaviour under load with reference to various materials.									14
2	Mechanics of Solids (i) Fundamentals of statics: Introduction to Force, its types, Characteristics & Equilibrium. Force systems (Coplanar-concurrent & non-concurrent), it's Resultant, Moments, couple moments. (ii) Statically determinate beams: Concept of Stability & determinacy. Types of loads (concentrated & uniformly distributed), Types of supporting condition & its reactions. Bending moment and shear force diagrams (cantilevered, simply supported, continuous), its importance, Location & magnitude of maximum bending moment & shear force. (iii) Centroid and moment of inertia -of standard & Composite geometry, its importance, radius of gyration. (iv) Trusses – behaviour, usage, advantages & Analysis.									22
Reference Books										
1	Junnarkar,. S.B., 2017. Mechanics of structures Vol.1: Strength of materials.									
2	Junnarkar, S.B., 2017. Mechanics of structures Vol.2: Theory and analysis of structures.									

3	Desai & Mistry. Engineering Mechanics - Statics and Dynamics
4	Jeffrey Cook. Seeking Structure from Nature
5	Salva Dorie. Fundamentals of Structures
6	S.B. Jurnakar & H. J. Shah. Applied Mechanics

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Semester	I				Version	3.0.0.0				
Effective from Academic Year	2021-22				Effective for the batch Admitted in	June 2021				
Subject code	3IA06HUM		Subject Name		HUMANITIES - I					
Teaching scheme					Examination scheme (Marks)					
(Per week)	Lecture(DT)		S/W/T		Total		CIE	SE	UE	Total
	L	TU	S/W/T	TW						
Credit	2	-	-	-	2	Theory	40	20	40	100
Hours	2	-	-	-	2	Jury/Viva/TW	-	-	-	-
Objective:										
This course provides an overview of Civilizations, Societies and Cultures from Pre-Historic period to the present stage of development.										
Learning Outcome:										
LO1: Analyse historical processes that shape individuals, societies and communities from early societies to Modern period.										
LO2: To describe influence of political ideology, social organizations, cultural perceptions and natural environment on events and narratives.										
LO3: To develop an understanding of global history.										
LO4: To place events, persons, developments in space-time continuum.										
CONTENT & TEACHING UNITS										
Content										HRS
<p>Introduction to Society and Culture; Overview of development of society and cultures from pre-historic period to modern times; The history of the World in concurrent periods across the World.</p> <p>Introduction to evolution of architecture in early settlements; Early settlements in terms of scale and complexity through a comparative study of Catalhoyuk, Mehrgarh, Banpo, Skara Brae.</p> <p>The course will be divided between understanding of historical narrative and history of architecture not chronologically but depending on topics. It is necessary and justified to add sufficient flexibility, to include or exclude sub topics but the benefit of the learner is always the nucleus to the process. The content introduces learners to a broad yet detailed interdisciplinary approach towards analysis of selected historical structures/spaces and typologies in terms of form, functions, plans, hierarchy of spaces, building elements, building materials, construction technologies, ornamentation in the context of cultural, political and socio-economic factors. With reference to civilizations and cultures, material culture and non-material culture ie political narrative, geography, climatic conditions, local resources, social stratification, religion and religious belief systems, architectural systems, urban planning, cities, visual arts, philosophy and dominant thought will be covered in adequate detail.</p>										36
Text Books										
1	NA									

Reference Books	
1	Head, Tom, 2017. World History 101: From Ancient Mesopotamia and the Viking Conquests to NATO and WikiLeaks, an Essential Primer on World History. Adams Media, Avon, Massachusetts
2	Kubba, Shamil, 1987. Mesopotamian Architecture and Town Planning. B.A.R., Oxford
3	Kuijt, Ian, 2002. Life in Neolithic Farming Communities. Kluwer Academic Publishers, New York
4	Parker, Philip, 2017. World History: From the Ancient World to the Information Age. Eyewitness Companions, Dorling-Kindersley, London
5	Thapar, Romila, 2002. Early India: From the Origins to AD1300. University of California Press, Berkeley
6	Wilson, Peter, 1988. The Domestication of the Human Species. Yale University Press, 1988

NOTE:

- (I) Assignments to include study of concepts relating to cultural and religious beliefs, structure, climatic interfaces and integration of all these in the resultant forms.
- (II) Models, analytical studies and paper presentations individually or in groups.

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Programme	Bachelor of Architecture				Branch/Spec.	INSTITUTE OF ARCHITECTURE				
Semester	I				Version	3.0.0.0				
Effective from Academic Year	2021-2022				Effective for the batch Admitted in	June 2021				
Subject code	3IA07CS		Subject Name	COMMUNICATION SKILLS - I						
Teaching scheme					Examination scheme (Marks)					
(Per week)	Lecture(DT)		S/W/T		Total		CIE	SE	UE	Total
	L	TU	S/W/T	TW						
Credit	2	-	-	-	2	Theory	40	20	40	100
Hours	2	-	-	-	2	Jury/Viva /TW	-	-	-	-
Objectives :										
<p>The course Objective is to developing effective communication skills through improved reading, Speaking and listening skills based on interactive exercises and experience based curriculum. The focus is on understanding and applying various techniques and strategies in oral and written context For improved skills. The course aims to build confidence in speaking situations, write lucidly using Appropriate vocabulary and grammar and to listen for comprehension. It aims to hone both verbal and non-verbal communication.</p>										
Learning Outcome:										
<p>LO1: Demonstrate a better understanding of the communication process by identifying, explaining and applying strategies as they relate to a variety of contexts. (interpersonal, group, public and professional)</p> <p>LO2: Display competence in oral, written and visual communication.</p> <p>LO3: Identify ways to constructively manage speaking anxiety and apply methods while presenting in public</p> <p>LO4: Identify and apply strategies for listening with attention.</p> <p>LO5: Demonstrate the ability to write fluently while making an optimum use of correct vocabulary and grammar.</p> <p>LO6: Demonstrate improved interpersonal skills by identifying and developing a repertoire of</p> <p>LO7: Strategies in oral and written contexts.</p>										
Unit	Content									HRS
1	<p>Speaking Module</p> <ul style="list-style-type: none"> <input type="checkbox"/> Significance of Communication skills <input type="checkbox"/> Communication Process - significant features involved <input type="checkbox"/> Personal Introduction <input type="checkbox"/> Retention and reproduction of texts <input type="checkbox"/> Debates, Public speaking & Questioning skills <input type="checkbox"/> 7 steps to effective messages & other activities 									7
2	<p>Reading Module</p> <ul style="list-style-type: none"> <input type="checkbox"/> Reading process - four basic steps <input type="checkbox"/> The art of effective reading -its types <input type="checkbox"/> Overcome common reading obstacles <input type="checkbox"/> Reading for better Comprehension <input type="checkbox"/> Building vocabulary 									8

3	Listening <ul style="list-style-type: none"> <input type="checkbox"/> Types of listening & good listening practices <input type="checkbox"/> Summary of spoken texts <input type="checkbox"/> Writing from oral instructions <input type="checkbox"/> Listening games / Activities 	7
4	Writing Module <ul style="list-style-type: none"> <input type="checkbox"/> Paragraph Writing – Re-order paragraphs and sequential ordering <input type="checkbox"/> Creative writing – blogs/movie reviews, letters & paragraphs <input type="checkbox"/> Building arguments <input type="checkbox"/> Common grammatical mistakes, usage of grammar 	10
5	Non-verbal <ul style="list-style-type: none"> <input type="checkbox"/> Communicating through Pictorial representations, illustrations, spatial arrangements of words, interpreting gestures, body language, facial expressions <input type="checkbox"/> Interactive exercises 	4
Text Books		
1	NA	
Reference Books		
1	Kumar, Sanjay, Lata Pushp, 2015. Communication Skills. Oxford University Press, New Delhi	
2	Suresh Kumar, E, 2012. Communication Skills and Soft skills. Pearson, New Delhi	

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Subject code	3IB08PE		Subject Name		PROFESSIONAL ELECTIVE – 1A					
Teaching scheme					Examination scheme (Marks)					
(Per week)	Lecture(DT)		S/W/T		Total		CIE	SE	UE	Total
	L	TU	S/W/T	TW						
Credit	-	-	2	-	2	Theory	-	-	-	-
Hours	-	-	2	-	2	Jury/Viva/TW	40	20	40	100
CONTENT & TEACHING UNITS										
Origami Kirigami										
<p>Origami, from ori meaning "folding", and kami meaning "paper" (kami changes to gami due to rendaku)) is the art of paper folding, which is often associated with Japanese culture. Origami folders often use the Japanese word <i>kirigami</i> to refer to designs which use cuts. Main motive for proposing this elective is it engages students and enhances their skills -- including improved spatial perception and logical and sequential thinking. In a nutshell, Origami is good for design students as it develops –</p> <ul style="list-style-type: none"> eye hand co-ordination, sequencing skills, maths reasoning spatial skills, memory, but also patience and attention skills mental concentration. <p>All of this combined stimulates the brain – especially when BOTH hands are being used at the same time.</p>										
Caricatures										
<p>Students will learn the history of caricature, understand the techniques of making caricatures and develop analytical skills and different techniques.</p> <ul style="list-style-type: none"> Brief History of caricatures Uses and applications of caricatures in design field Caricatures of objects, animals Caricature of person 										

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Subject code	3IB09TOE		Subject Name		TRANSDISCIPLINARY OPEN ELECTIVE - 1B					
Teaching scheme					Examination scheme (Marks)					
(Per week)	Lecture(DT)		S/W/T		Total		CIE	SE	UE	Total
	L	TU	S/W/T	TW						
Credit	-	-	2	-	2	Theory	-	-	-	-
Hours	-	-	2	-	2	Jury/Viva/TW	40	20	40	100
CONTENT & TEACHING UNITS										
Urban Farming										
<p>In this elective students will learn about the role of urban agriculture in the community building process. A series of case studies and dynamic conversations with figures from various components of the urban agriculture structure make up the core of the course. Through conversations and brainstorming sessions with visits to farm sites, students learn about aspects of urban agriculture and community building from top down organizations and bottom up organizations. Students will learn how to effectively use their vast networks and community individuals to gain perspectives of their role in the world. This course is geared towards students who want to get hands-on experience working with communities of individuals who don't have access to fresh food.</p>										
Recycling & Up cycling										
<p>Activities related to Recycling and Up cycling are driven by science and technology. By learning this elective, Students can consider recycling and up cycling as an example of how science has moral implications in how it is applied. They can also learn recycling and up cycling in the context of how human activity uses energy and natural resources, and how these affect local and global environments, including their effect on global patterns of climate change. This elective would be composed of a series of interdisciplinary lessons and activities through Which students learn the importance of reducing, reusing, recycling and up cycling.</p>										

Note: Continuous Internal Evaluation shall be divided into A. 20% -Attendance B. 80% - Periodic Evaluation

CIE- Continuous Internal Evaluation, SE-Summative Evaluation (Jury/Viva/Theory Exam), UE- University Exams (Jury/Viva/Theory Exam)

GANPAT UNIVERSITY									
FACULTY OF ARCHITECTURE DESIGN & PLANNING									
Programme	Bachelor of Architecture				Branch/Spec.	INSTITUTE OF ARCHITECTURE			
Semester	I				Version	3.0.0.0			
Effective from Academic Year	2021-22				Effective for the batch Admitted in	June 2021			
Subject code	3IA10RSP		Subject Name		RELATED STUDY PROGRAMME - I				
Teaching scheme					Examination scheme (Marks)				
(Per week)	Lecture(DT)		S/W/T		Total	CI	SE	UE	Total
	L	TU	S/W/T	TW		E			
Credit	NA				Theory				
Hours	1/ 1.5 Week, Block Course				Jury/Viva/TW	ATTENDANT/ NOT ATTENDANT			
Objective:									
<p>The Related Study Programme (RSP) at the Institute of Architecture is a unique contribution to Architectural education. Initially called measure drawings, it is intended to take the students out into the field to get first-hand experience of traditional built environments. This subject recognizes the value of the traditional architecture as well as the importance of field experiences and travel in the learning of architecture. The students are encouraged to learn about not only the architectural form also related components of architectural relevance.</p>									
Learning Outcome:									
<p>LO1: The Students will develop the skills & understanding of measure drawing. LO2: Students will get the understanding of “synthesis of learning from various courses” by observing; registering & mapping of actual built buildings. LO3: Programme outcome will be extremely valuable in creating knowledge base on architecture field not only in India but of nearby countries as well. LO4: Production of Accurate and precise drawings of many a monument, institution, settlement in India, which become a basis for future research.</p>									
CONTENT									
Unit	Content								HRS
	<ul style="list-style-type: none"> <input type="checkbox"/> Student and faculty members stay at the selected Village for 6 to 9 days. <input type="checkbox"/> Students will get comprehensive awareness of that settlement. <input type="checkbox"/> Students will measure the built environment in terms of individual house, cluster of houses and building elements of that house. <input type="checkbox"/> Students will also documents the social, cultural, environmental aspects of that settlement. <input type="checkbox"/> Students came back at institute and make the final Drawings and report within remaining days. 								6 to 9 Days
Text Books									
	NA								
Reference Books									
	NA								