GANPAT UNIVERSITY

FACULTY OF ARCHITECTURE DESIGN & PLANNING

Programme	Bachelor of Architecture	Branch/Spec.	INSTITUTE OF ARCHITECTURE
Semester	II	Version	3.0.0.0
Effective from Academic Year	2021-22	Effective for the batch Admitted in	June 2021
Subject code	3IIA01DS	Subject Name	DESIGN STUDIO - II

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:

Learning the basic principles of space making and form building through intensive design studio practice.

Learning Outcome:

LO1: Learning architectural design fundamentals (Relationship between people to built forms & built forms to environment)

LO2: Experimental learning of analytical study, pre-design process, design process & conceptualization stages in design.

LO3: Experimental learning of design communication skills – verbal, script & graphics

CONTENT & TEACHING UNITS

Unit	Content	HRS
A	**Unit 1: Understanding the process for Design** □ Fragment the pre design process and help students build formats/templates for analysis. □ Guide to derive architectural design data through various studies □ Guide to program and to understand the causes for architectural spaces □ Guide to understand context & its influences □ Guide to learn and experiment the design process □ Guide to conceptualize the design/evolution of architecture □ Guide to document the design project	12
B	**Unit 2:** A single space interior design project (Approximate 35% weightage) <u>SINGLE SPACE DESIGN</u> Enlighten the student on the design project overview & the design process to be followed through relevant presentations. Present an analytical discourse on an identical architectural design project covering □ Architectural elements & relevant architectural terms □ Space planning (response to user & purpose with logic & application of standards) □ Material, form & structure □ Aesthetics & visual perceptions	24
C	**Unit 3:** A small scale project with a site (Approximate 65% weightage) <u>SMALL SCALE MULTI-SPACE DESIGN</u> □ Architectural, elements, spaces & terms	36

	□ Noted projects & architects □ Space planning (response to user & purpose with logic & application of standards) □ Site planning (contextual response, response to the natural environment, response to views + general site planning guidelines) □ Material, form & structure □ Aesthetics & visual perceptions.	

Text Books	
1	NA
Reference Books	
1	Drawing & Designing with confidence – A step by step guide- Mike W.Lin
2	Designing with models : A Studio guide to making & using architectural models - Criss B.Mills
3	Time saver standards for building types - DeChiara and Callender
4	Neufert Architect's data - Bousmaha Baiche & Nicholas Walliman
5	National Architectural graphic standards - Ramsey / Sleeper
6	Space Planning Basics - Mark Karlen
7	Poetics of Architecture-Anthony C. Antoniades.
8	Form, Space & Order-Francis D.K. Ching .
9	Experiencing Architecture-Steen Eiler Rasmussen.
10	Design in Architecture –Geoffrey Broadbent.
11	Scale in Architecture - Frank Orr.
12	A Pattern language- Christopher Alexander.
13	Architecture and its interpretation -Juan Bonta.

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/TW/Theory Exam), UE- University Exams (Jury/Viva/TW/Theory Exam)

GANPAT UNIVERSITY										
FACULTY OF ARCHITECTURE DESIGN & PLANNING										
Programme	Bachelor of Architecture					Branch/Spec.	INSTITUTE OF ARCHITECTURE			
Semester	II					Version	3.0.0.0			
Effective from Academic Year	2021-22					Effective for the batch Admitted in	June 2021			
Subject code	3IIA02BD	Subject Name	BASIC DESIGN - II							
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:

- Emphasis is on two-dimensional representation of three-dimensional forms; development of basic skills in architectural design drawing and 3D modelling.
- Through experiential hands-on design exercises, this studio will focus on the development of space/composition through the composition of tectonics and stereotomic assemblies. Rumbling between physical models, narrative statements, and drawing explorations, context inspired design processes will stress on analysis, abstraction, and refinement through peer and self-critique.

Learning Outcome:

At the end of the course the student will be able to:

LO1: Develop a set of fundamental skills

LO2: Learn to implement, assess, and revise formal organizational strategies within 2D and 3D compositions.

LO3: Learn to assess the impact that various 2D and 3D investigative methods have on intuitive and systems design thinking.

LO4: Learn to develop an appreciation for craftsmanship in 2D and 3D methods of design exploration.

CONTENT & TEACHING UNITS

Unit	Content	HRS
I	This studio will introduce the five fundamentals of design: space, order, tectonics, site and use, layered and reinforced through a series of design exercises. Fundamental spatial explorations, particularly focused on climate and site will be explored in conjunction with basic topics of scale, proportion, composition, ergonomics, context, approach, arrival, threshold, sequence, flexibility, and circulation through project-based exercises in the design studio. **Introduction to Design Principle (Advanced)** Theoretical inputs in Advanced Design Principles. Small hands-on exercises based on it.	18

II	**Visual Analysis of Form** When given a complex form to analyse, students will be able to construct analytical models and drawings. For those hands-on exercises will be used for developing understanding on Intersection, layering, overlapping of geometric and organic forms. Students will be able to construct 3D Tectonic models and 2D graphic representation and a defined scale.	18
III	**Introduction to Anthropometry** Study and documentation of human dimensions in various postures (applied form), their relation to everyday utilities. Critical analysis of ergonomic aspects of space planning.	24
IV	**Introduction to Measure drawings** This module would introduce students to elements of architecture through understanding of Measured Drawing of existing small human habitat. Importance of contextual factors in Architectural design e.g. orientation, ventilation, adequate protection from rain, dust, insects etc.,	24
V	**Approach to real scale design** When given an architectural program and contextual information, students will be able to implement a design process circling between exploration, self-critique, and refinement; and entertain various design proposals by challenging the hierarchy of plans, sections, and models.	24

Text Books	
1	Principles of Basic Design - Vol. 1 to 4 – Maier Manfred
Reference Books	
1	Ching, F. D. K. 2012. Architecture: Form, Space and Order, 3rd Ed. Hoboken: John Wiley & Sons.
2	Pandya, Y., 2007. Elements of Space making. Mapin, Ahmedabad
3	Paul, A. J., 1994. The Theory of Architecture–Concepts & themes. Van Nostrand Reinhold. New York.
4	Peter, V. M. 1998. Elements of architecture – _from form to place. 1st Ed. Routledge, New York.
5	Pattern Languages - Christopher Alexander
6	Roth, L. M.,2013. Understanding Architecture: Its Experience History and Meaning, 3rd Ed. West-view press, Philadelphia.
7	Rudolf, A., 1977. The dynamics of architectural form. University of California Press, Berkeley and Los Angeles.
8	Unwin, S. 2003. Analysing Architecture. Routledge, London

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

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

GANPAT UNIVERSITY

FACULTY OF ARCHITECTURE DESIGN & PLANNING

Programme	Bachelor of Architecture	Branch/Spec.	INSTITUTE OF ARCHITECTURE
Semester	II	Version	3.0.0.0
Effective from Academic Year	2021-22	Effective for the batch Admitted in	June 2021
Subject code	3IIA03GT	Subject Name	GRAPHICS AND TECHNIQUES - II

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	-	4	-	6	Theory	40	20	40	100
Hours	2	-	4	-	6	Jury/Viva/ TW/	-	-	-	-

Objective:

- The course focuses on "Volumetric Understanding, Rendering and Diagrams" which enables students to represent ideas in third dimension.
- This course introduces students to the fundamental techniques of architectural drawing and develop appropriate manual and computer skills for visualization and technical representation of built forms in different types of drawings. The course also helps in building cognitive and motor coordination skills. The course also enables students to represent designs in 2D and 3D rendered drawings.

Learning Outcome:

After the completion of this course, the student will be able to:

Manual Skills:

- Draw technically correct Plans, Sections, Elevations
- Understand scale, proportions and volume in detail with respect to Build forms & Buildings
- Understand concept of perspective & sciography in design & architecture
- Understand, explore and apply various rendering techniques

Computer Skills:

- Understand and apply Software – Corel Draw, Sketch Up and its application in the field of design
- Render architectural 2D and 3D drawings as per global standards respecting technicality of drawings along with understanding of panel/sheet composition concepts.
- Generate analytical diagrams like zoning, inter-relationship, connectivity, circulation, site response, etc.

CONTENT & TEACHING UNITS

Unit	Content	HRS
I Space Perception	• Understanding Concepts of perspective, built volume perception. • Explore volume/ mass using Sketch Up.	12
II Technical Drawing Set	• Drafting plans, sections, elevations. (Manual)	18
III Corel Draw	Introduction to Corel Draw tools and its application. • Explore rendering, diagram making and sheet/panel composition.	30

IV Rendering	Manual Rendering: • Exploring various medium of rendering (Inking, Colors, etc.) • Rendering techniques like Stippling, Hatching, Scribbling, etc. Digital Rendering: • Application of Illustrator for rendering.	24
V Google Sketch Up	• Introduction to Google Sketch up tools and its application. • Explore 3D modelling. • Understanding Shadow analysis, Sociography considering climatic considerations.	24

Text Books	
1	NA
Reference Books	
1	Arthur L. Guptill, 2011. 'Rendering in Pen and Ink'. Watson-Guptill Publications.
2	Corel Draw X8- The official guide.
3	Francis D. K. Ching, 2014. Form, Space and Order, John Wiley & Sons.
4	Dennis J. Hall, Nina M. Giglio, 2015 Architectural Graphic Standards, John Wiley & Sons.

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GANPAT UNIVERSITY

FACULTY OF ARCHITECTURE DESIGN & PLANNING

Programme	Bachelor of Architecture	Branch/Spec.	INSTITUTE OF ARCHITECTURE
Semester	II	Version	3.0.0.0
Effective from Academic Year	2021-22	Effective for the batch Admitted in	June 2021
Subject code	3IIA04BMC	Subject Name	BUILDING MATERIALS AND CONSTRUCTION - II

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	-	4	Theory	40	20	40	100
Hours	2	-	2	-	4	Jury/Viva/TW	-	-	-	-

Objective:

- The emphasis of the course is on “material driven design and construction systems.”
- The course introduces Brick, Stone and Wood as primary building construction materials and develops a comprehensive understanding of construction based on material property, size and shape.
- The focus is on understanding properties of materials, and various technical aspects related to masonry and frame construction and their finishing techniques.

Learning Outcome:

LO1: Understand different types of bricks, stones and wood, their physical and structural properties and its behaviour as a construction material
LO2: Learn about brick and stone masonry construction technology
LO3: Learn about wood frame construction technology
LO4: Learn about component details in specific material i.e floor system, roof system, openings, staircase etc.

CONTENT & TEACHING UNITS

Unit	Content	HRS
A	**BRICKS & BRICK MASONRY CONSTRUCTION** **(i)Brick as a building material:** Types of bricks based on constituent materials and its manufacturing process, physical and chemical properties of different types of bricks **(ii)Brick Masonry Construction:** Sizes of bricks, Types of bricks, bats and closers etc., classification and terminologies, standard bond construction (English & Flemish), significance of mortars, stopped ends, quoins, piers, Junctions, jambs for various thicknesses, methods and techniques of masonry construction Basic principles of load bearing structures, foundation for load bearing walls, openings in load bearing masonry walls, non-load bearing walls, cavity walls **(iii)Finishing details:** Jointing, pointing, plastering, copings. **(iv)Building components in brick:** jack arch roof, brick arches, vaults and domes, reinforced brick roofs and walls, brick piers, brick paving **(v)Exposed brick work:** challenges	24
B	**STONE & STONE MASONRY CONSTRUCTION** **(i)Natural stone as a building material:** Geological Classification of rocks – stones (granite, laterite, quartzite, marble, slates), uses of stone, deterioration & preservation of stone, availability, properties and application of stones for construction **(ii)Stone Masonry Construction:** Types of stone masonry like Random Rubble, Coursed	24

	Rubble, Ashlar, etc., significance of mortars, Basic principles of load bearing structures, foundation for load bearing walls, openings in load bearing masonry walls, non-load bearing walls, cavity walls **(iii)Finishing details:** stone as a cladding material, jointing, pointing and finishing details **(iv)Building components in stone:** construction of floors, arches, vaults and domes, stone coping, stone piers, stone paving	
C	**WOOD-TIMBER FRAME CONSTRUCTION** **(i)Timber as Building Material:** its physical properties and uses, defects, decay and preservation, seasoning. Industrial timbers, biproducts of timber such as ply wood, hard board, block board, particle board, etc with their properties and uses. Introduction to timber as described in Indian architectural treatises. **(ii)Timber Frame construction:** Understanding Timber frame construction for structural and non-structural building components: post & beam construction, floors, pitched roofs, partitions, openings (door/window), staircases with joinery and connections details	24

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	Barry, R, 1999. Building Construction, Volume 1 to 5, Blackwell Science Ltd.
4	Moxley R., 1961. Mitchell's Elementary Building Construction. B. T. Batsford, London.
5	Kumar, Sushil, 2003. Building Construction, Standard Publishers, Delhi.
6	Sharma S.K., Civil Engineering construction Materials. Khanna Publishing, New Delhi

Note:

- Minimum one plate on each construction topic and study of material in the form of portfolio.
- Hands on session to be conducted to execute wall masonry with different materials in construction yard.
- Site visits to manufacturing units of brick, stone quarries, construction sites and case studies of vernacular construction systems to be arranged by studio teachers and report to be compiled by students.
- Market survey of materials should be carried out by students.

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

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

GANPAT UNIVERSITY

FACULTY OF ARCHITECTURE DESIGN & PLANNING

Programme	Bachelor of Architecture	Branch/Spec.	INSTITUTE OF ARCHITECTURE
Semester	II	Version	3.0.0.0
Effective from Academic Year	2021-22	Effective for the batch Admitted in	June 2021
Subject code	3IIA05STR	Subject Name	STRUCTURE - II

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:

- The emphasis of the course is on “structural construction systems.”
- The course develops a comprehensive understanding of construction and behaviour of structural components based on material property, size and shape.
- Concepts of stress, strain and basic structural analysis are to be understood with reference to properties of materials.

Learning Outcome:

LO1: Apply the concepts of action of forces on a body and should be able to apply the equilibrium concepts.

LO2: Students are taught basic geometric properties and the behaviour of materials under effect of forces.

LO3: Analyse the bending moment and shear force acting on simple structures and draw SFD and BMD.

LO4: Learn Basics of Structural Analysis: i.e. Understand material properties and stresses induced in various structural components like, beams, columns, trusses etc along with its behaviour

CONTENT & TEACHING UNITS

Unit	Content	HRS
A	Simple stresses & Strains: Basics of stress and strain, Normal/axial stresses & strains- Tensile, compressive & shear. Hooke’s law & Modulus of elasticity. Application of stress & strains.	6
B	Stresses in Beams: (a) Flexural stresses – Theory of simple bending, Assumptions, neutral axis, determination of bending stresses, section modulus of rectangular & circular (solid & hollow), I,T, Angle, channel sections. (b)Shear stresses – Shear stress distribution across various beam sections like rectangular, circular, triangular, I, T, angle sections.	6
C	Columns and Struts: Buckling of columns, different end conditions, effective length, least radius of gyration, Euler's and Rankine's formula, Behaviour of columns under lateral loading. Columns subjected to eccentric loads, middle third rule & its importance (for columns, retaining walls & dams etc. structures).	8
D	Deflection in beams: Introduction to deflection of simple beams by basic formulas.	8
E	Analysis of continuous & fixed beams: shear force & bending moment diagram by simple method (moment distribution method).	8

Text Books

1	

Reference Books	
1	Junarkar S.B. & Shah H.J., 2012. Mechanics of Structures Vol-I. Charotar publishing house, Anand.
2	Wang C. K., 1982. Intermediate Structural Analysis. Tata McGraw Hill book Company, New Delhi.
3	Ryder G.H, Mcmillan Gere & Timoshenk. Strength of Materials, Mechanics of Materials. CBS Publishers & Distributors, Delhi.

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

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

GANPAT UNIVERSITY										
FACULTY OF ARCHITECTURE DEISGN & PLANNING										
Programme	Bachelor of Architecture					Branch/Spec.	INSTITUTE OF ARCHITECTURE			
Semester	II					Version	3.0.0.0			
Effective from Academic Year		2021-22				Effective for the batch Admitted in				June 2021
Subject code	3IIA06HUM		Subject Name			HUMANITIES - II				
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:

The emphasis is on approaching the built environment and space differentiation as critical features located in a broad social and cultural context. It stresses the cultural & political context from which settlement & structure arise. The emphasis is on challenging pre conceptions, developing visual intelligence and learning to read architecture as a shared cultural expression that registers and transcends time & space as all created structures embody a culture's complex aspiration within material creation.

The course will provide introduction to Architectural typologies and terminologies.

Learning Outcome:

At the end of the course students will be able to

LO1: To compare eras and regions of primary human settlements in order to define enduring issues.

LO2: To understand how communities, places, spatial relationships create historic change.

LO3: To describe influence of social organisation, cultural perception & natural environment on societies and civilization.

LO4: To trace the development and dispersal of religion in the Indian sub-continent with special reference to Buddhism.

CONTENT & TEACHING UNITS

Content	HRS
Understanding of factors influencing society, culture and resultant architecture; River valley civilizations of Nile & Indus with emphasis on Structures; Mesopotamian society and its creative articulation in architecture. Inception and dispersal of Buddhism; Early Buddhist, Cave & Rock cut architecture in India; Characteristics of Chinese architecture with reference to religion society, natural environment & belief system: study of types like temples, palaces, houses & cities of China. 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 i.e. political narrative, geography, climatic conditions, local resources, social	36

stratification, religion and religious belief systems, architectural systems, urban planning, cities, visual arts, philosophy and dominant thought will be covered in adequate detail.	
Text Books	
1	NA
Reference Books	
1	Jia, Lanpo, 1980. Early Man in China. Foreign Languages Press, Beijing
2	Kostof, Spiro, 1995. A History of Architecture: Settings and Rituals. Oxford University Press, New York
3	Kubba, Shamil, 1987. Mesopotamian Architecture and Town Planning. B.A.R., Oxford
4	Mitra, Debala, 1980. Ajanta. Archaeological Survey of India, New Delhi
5	Oates, Joan, 1979. Babylon Ancient People and Places . Thames &Hudson, London
6	Possehl, Gregory, 1993. Harappan Civilization: A recent perspective. American Institute of Indian Studies, Columbia
7	Sarkar, H., 1966. Studies in Early Buddhist Architecture in India, Munshiram Manoharlal, Mumbai
8	Steinhardt, Nancy Shatzman, 2002. Chinese Architecture. Yale Univ. Press, New Haven CT
9	Thapar, Romila, 2002. Early India : From the Origins to AD1300. University of California Press, Berkeley
10	Trachtenberg, Marvin, 2002. Architecture, From Prehistory to Postmodernity. Abrams, New York

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

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GANPAT UNIVERSITY										
FACULTY OF ARCHITECTURE DESIGN & PLANNING										
Programme	Bachelor of Architecture					Branch/Spec.	INSTITUTE OF ARCHITECTURE			
Semester	II					Version	3.0.0.0			
Effective from Academic Year	2021-2022					Effective for the batch Admitted in	June 2021			
Subject code	3IIA07CSPD	Subject Name	COMMUNICATION SKILLS & PERSONALITY DEVELOPMENT							
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:

The course focuses on sharpening Communication Skills as an essential soft skill in the professional world and acquiring traits of a positive Personality. This course introduces students to essentials of successful professional communication in varied situations and contexts. The personality domain recognises the importance of developing an integrated sense of personal identity, a positive sense of self and a personal code of ethics.

Learning Outcome:

LO1: Distinguish among various levels of organisational communication and communication barriers while developing an understanding of the communication process.
LO2: Stimulate critical thinking by developing lucid writing skills
LO3: Identify reasons for perceptual errors and overcome the same
LO4: Demonstrate improved interpersonal skills by identifying and developing a repertoire of strategies for improved communication effectiveness and demonstrate strategies in oral and written contexts.
LO5: Demonstrate positive group communication exchanges
LO6: Apply appropriate communication skills across settings, purposes, and audiences
LO7: Set personal growth targets and meet them using projection techniques
LO8: Build positive self - esteem
LO9: Inculcate qualities of a good team member as well as function as a team leader
LO10: Negotiate complexities of professional and familial environment through improved interpersonal relationships.

CONTENT & TEACHING UNITS

Unit	Content	HRS
1	**Self-Exploration & Interpersonal Relationships** - Self-Exploration - Reflecting on interests, values, skills, and personality traits, as well as key experiences - Confidence Building & Credibility - Assertiveness and Self Confidence Training- Master techniques to overcome nervousness and speak with confidence - Emotional Intelligence (EQ) -Articulate emotions using the right language - Recognition and dealing with difficult behaviour in others - Setting achievable goals in-line with personal values - Define and practice self-management, self-awareness, self-regulation, self-	14

	motivation and empathy • Forms of Interpersonal Relationships -Building Trust and Credibility	
2	**Group Dynamics & Team Building** • Types of listening & good listening practices - Summarize Spoken Text / Dictation • Conversations, Dialogues, and Debates • Group Discussions - Leading & Motivating • Relate emotional intelligence to the workplace. Use the concepts and techniques in the workplace	14
3	**Communication Skills** • Active Listening Training • Inter Cultural Communication & Public Speaking – The art of persuasion, situational dialogues & role play. • Non-Verbal Training • Paraphrasing • Effective use of tone & method for speaking on the spot • Creative Writing - Technical proposals, business writings, reports, resumes etc.	8
Text Books		
1		
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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CIE- Continuous Internal Evaluation, SE-Summative Evaluation (Jury/Viva/TW/Theory Exam), UE- University Exams (Jury/Viva/TW/Theory Exam

GANPAT UNIVERSITY										
FACULTY OF ARCHITECTURE DESIGN & PLANNING										
Programme	Bachelor of Architecture					Branch/Spec.	INSTITUTE OF ARCHITECTURE			
Semester	II					Version	3.0.0.0			
Effective from Academic Year		2021-22				Effective for the batch Admitted in				June 2021
Subject code	3IIB08PE		Subject Name			PROFESSIONAL ELECTIVE – 2A				
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

Architectural Photography

All design students could prosper by learning to see light and how light alters the visual impact of built forms. Just as drawing allows students to refine their vision and perspective teaches how we see, the camera allows for yet another discipline to organically create with form and light.

This elective would teach students to create successful images of exterior architecture, interior architectural design, as well as architectural models. The student would become a highly competent creative digital photographic image creator with accurate exposure, proper colour correction, and excellent printing output. They will successfully use specific digital tools for the architectural image to correct distortion and capture mixed lighting with multiple exposures. Students would also learn basic editing for post processing.

Sculpture

Sculpture involves space, materials, techniques, and ideas. It is an art of the extraordinary, as well as the everyday. This elective is an introduction to sculptural concepts and processes. It is focused on hands-on learning and critical thinking. The course is built upon exercises that introduce basic means of producing sculptural art while emphasizing aesthetic choices and critical evaluation. Students will be introduced to a variety of materials, their properties, and characteristics, while developing basic technical skills and an increased awareness of both aesthetic and conceptual choices as related to understanding of sculpture.

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

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

GANPAT UNIVERSITY										
FACULTY OF ARCHITECTURE DESIGN & PLANNING										
Programme	Bachelor of Architecture					Branch/Spec.	INSTITUTE OF ARCHITECTURE			
Semester	II					Version	3.0.0.0			
Effective from Academic Year	2021-22					Effective for the batch Admitted in	June 2021			
Subject code	3IIB09TOE		Subject Name			TRANSDISCIPLINARY OPEN ELECTIVE - 2B				
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

Indoor Gardening

Plants improve our health. We might exercise regularly and have a balanced diet but plants in our home and workplace not only improve air quality but also have a positive psychological effect. Many scientific Studies revealed that indoor gardening can eliminate many harmful air toxins, reduce stress and improve our moods. In this elective, students would be exposed about how to choose, grow and maintain the most suitable indoor plants, to add appeal to the environment and increase your sense of well-being.

Art, Crafts and indigenous practices from Gujarat: Chartering Identities

The elective course will focus on critically examining trajectories in artisanal and performative practices from the region of Gujarat in post-Independence India. The agro climatic zones of Gujarat state will form the domain of discussions. The course will acquaint students with case histories of practitioners, to trace trajectories of transformation. It will engage with questions of caste and community, agency and selfhood to understand the shaping of art forms and their contexts as well as well as the role and modes of interventions in these practices, including the work of anthropologists, scholars, museums, institutions, and the market. Students will critically engage with discourses surrounding the representation of these forms, including the binaries of art versus craft, or the categories of folk and tribal.

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

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

GANPAT UNIVERSITY

FACULTY OF ARCHITECTURE DESIGN & PLANNING

Programme	Bachelor of Architecture	Branch/Spec.	INSTITUTE OF ARCHITECTURE
Semester	II	Version	3.0.0.0
Effective from Academic Year	2021-22	Effective for the batch Admitted in	June 2021
Subject code	3IIA10SP	Subject Name	SUMMER PROGRAMME - 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	NA					Theory				
Hours	**1 Week, Block Course**					Jury/Viva/TW	ATTENDANT/ NOT ATTENDANT			

Objective:

The Summer Programme (SP) 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.

Learning Outcome:

LO1: Students will get the understanding of "synthesis of learning from various courses" by observing; registering & mapping of actual built buildings.

LO2: Programme outcome will be extremely valuable in creating knowledge base on architecture field not only in India but of nearby countries as well.

LO3: Production of Accurate and precise drawings of many a monument, institution, settlement in India, which become a basis for future research.

CONTENT & TEACHING UNITS

Unit	Content	HRS
A	This summer workshop aims at creating understanding of inherent form and order in the built environment by observing it and analyzing by sketching and measure drawing. Hand sketch also gives an opportunity to students for examining the systems, scale and architectural language of the built.	6 to 9 Days

Text Books

1	NA

Reference Books

1	NA