GANPAT UNIVERSITY
FACULTY OF ARCHITECTURE DEISGN & PLANNING

Programme	Bachelor of Architecture		Branch/Spec.	INSTITUTE OF ARCHITECTURE	
Semester	IV		Version	2.0.0.0	
Effective from Academic Year		2020-21	Effective for the batch Admitted in		June 2019
Subject code	2IVA01ADD	Subject Name	Architecture Design and detailings- IV		

Teaching scheme					Examination scheme (Marks)			
(Per week)	Lecture(DT)		Practical(Lab.)	Total		CE	SEE	Total
	L	TU	P	TW				
Credit	-	-	8	-	8	Theory	-	-	-
Hours	-	-	8	-	8	Practical	40	60	100

Objective
A study of human built form and community living based on lifestyle, culture, nature and economic forces.

Learning Outcome:
LO1: To understand the concept of a community, its necessity and its contribution towards the larger role it plays in the development of architectural fabric of that given locality.
LO2: Explore systems and methods to analyse the triggers and factors responsible for the generation of that lifestyle and culture, which in turn affects the house form.
LO3: To develop an ability to design a house typology, cluster layout and site planning based on the lifestyle & culture study.

CONTENT AND TEACHING UNITS		
Unit	**Content**	**Hrs**
A	**Initial exercises and Case studies:** • Factors affecting house form (climate, topography, lifestyle and economics) • Study of settlement types (nomadic, traditional, rural and urban) • Case studies to learn house form and settlement typology of a community	12
B	**Site analysis and Model making:** • Study of context and surroundings • Study of climate and Topography • Study of green cove and site landmarks • Study of built vs. open ration of site • Study of existing bylaws and regulations • Preparing a scaled model for the site which is selected for the studio program	18

C	Program analysis and Conceptual Design development:	24
	• Study of Socio economic condition of user group • Study the occupation/s of user group • Study the scale of housing (No. of families, No. of houses etc.) • Study of lifestyle and daily routine of the user group • Analysis of program through volumetric and diagrammatic representation of spaces • Study of inter relation between those spaces and the lifestyle of the user group • Preparing the intent statement based on the above studies for the vision of the settlement type • Based on the intent statement make initial configurations for the housing settlement through block models, sketch 3ds etc. • Develop one or more house forms for the user group keeping in mind various studies which are done while analyzing the program	
D	Design Development to Finalisation of Design:	42
	• Developing the house from/s through continuous iterations done with the help of plans, sections, axonometric and isometric views. • Formation of streets, clusters and blocks based on the systematic arrangement of houses. • Addition of common amenities like street furniture, open spaces, play areas etc. based on the overall site plan development. • Based on the physical and programmatic forces affecting the site, an appropriate site plan should be derived which adheres to the intent statement. • Generating the site plan through 3d models, digital models, sketch and photographic documentation. • Documentation of process through continuous photographic and digital scanning process. • Making finalised drawings (plans, sections, elevations, axos etc.) and models (physical and digital) for the purpose of final accessement and discussions.	

Reference Books	
1	House Form and Culture - Rapoport, Amos
2	Analysis of the Precedents, Simon Unwin
3	Site, Space and Structure, Todd, Kim
4	Elements of Architecture from form to place, Miers , Pierr Von
5	Richard Untermann And Robert Small, Site planning for Cluster Housing
6	A Pattern Language, Christopher Alexander
7	A Place in the Shade, Charles Correa
8	Housing and Urbanisation, Charles Correa