

GANPAT UNIVERSITY									
FACULTY OF ARCHITECTURE DEISGN & PLANNING									
Programme	Bachelor of Architecture				Branch/Spec.	INSTITUTE OF ARCHITECTURE			
Semester	III				Version	2.0.0.0			
Effective from Academic Year	2020-21				Effective for the batch Admitted in	June 2019			
Subject code	2IIIA01ADD		Subject Name	Architectural Design & Detailing III					
Teaching scheme					Examination scheme (Marks)				
(Per week)	Lecture(DT)		Practical(Lab.)		Total		CE	SEE	Total
	L	TU	P	TW					
Credit	2	-	4	2	8	Theory	-	-	-
Hours	2	-	6	2	10	Practical	40	60	100
Objective:									
To Understand, Analyse and apply the building materials' basic properties of building material to create Built environment & architectural form at the same time demonstrate ability to create certain ambiance and scale as resultant of material and structure									
Learning Outcome:									
LO1: Thorough understanding of particular material in terms of properties and behaviour LO2: Explore the joinery and construction details with response of the particular material LO3: Derive most appropriate forms using specific material keeping intact its core behavioural properties. LO4. Develop and apply the studio program effectively in to the derived form for the given materials									
CONTENT & TEACHING UNITS									
Unit	Content								Hrs
A	Unit 1: Explore the variety of materials <ul style="list-style-type: none"> List out various building materials to be exercised Understand and list out various physical, tangible non tangible properties of the materials. Prepare SWOT chart for comparative analysis Select any one material per group of students 								30
B	Unit 2: Case study of those materials <ul style="list-style-type: none"> Make a case study of the given materials for a small or medium scale building Observe use of material and joinery-construction details. Learn the limitations and scope of particular materials for a specific form and structure 								30
C	Unit 3: Prepare a detailed program for a project to be designed with the identified site <ul style="list-style-type: none"> A single or 2-3 typology of building project to be identified to execute as a studio project Site shall be identified for the project and go through the site analysis As per program prepare concepts for the project with given Material Undergo design process to come out with final Design 								50
D	Unit 4: Final Drawings and Models <ul style="list-style-type: none"> Prepare and submit all Floor plans,Layout, Elevation and Sections drawings 								50

	<ul style="list-style-type: none"> • Provide all working details for specific design done by an individual students for the material subscribed by them • Prepare and submit Study models and full project design model along with the site. 	
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 - CrissB.Mills	
3	Time saver standards for building types - DeChiara and Callender	
4	Neufert Architect's data - BousmahaBaiche& Nicholas Walliman	
5	Residential Buildings by Master designers & Vernacular master pieces.	
6	Space Planning Basics - Mark Karlen	
7	House Form and Culture - Rapoport, Amos.	
8	Form, Space & Order-Francis D.K. Ching .	
9	50 Beautiful house in india, vol-2 - Sei.	
10	Design in Architecture –Geoffrey Broadbent.	
11	25 Tropical Houses in Singapore and Malaysis - Mcgillick Paul.	
12	A Pattern language- Christopher Alexander.	

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: The portfolio covering the above topics shall be presented for term work at end of semester.