

GANPAT UNIVERSITY									
FACULTY OF ARCHITECTURE DEISGN & PLANNING									
Programme	Bachelor of Architecture				Branch/Spec.	INSTITUTE OF ARCHITECTURE			
Semester	VI				Version	2.0.0.0			
Effective from Academic Year	2021-22				Effective for the batch Admitted in	June 2019			
Subject code	2VIA02BMC		Subject Name	Building Materials and Construction - VI					
Teaching scheme					Examination scheme (Marks)				
(Per week)	Lecture(DT)		Practical(Lab.)		Total		CE	SEE	Total
	L	TU	P	TW					
Credit	2	-	2	2	6	Theory	40	60	100
Hours	2	-	2	2	6	Practical	-	-	-
Objective:									
<ul style="list-style-type: none"> • The primary focus is on interiors of the building and application method according to the materials, usage and aesthetics. • Students will develop application based understanding of the relationship of interior to construction systems and techniques. • Understanding contemporary building materials and its application in a building along with its techniques used in different forms and joinery details of construction. 									
Learning Outcome:									
<p>LO1: Understanding contemporary building materials and their application in a building.</p> <p>LO2: Recognizing different interior related elements based on their materials and its form and application surface.</p> <p>LO3: Understanding modular design as a modern techniques and its construction techniques.</p>									
CONTENT & TEACHING UNITS									
Unit	Content								HRS
1	Introduction to Glass as building materials its manufacturing process, types, properties, behavior and failure in different circumstances and application in a building. Introduction to materials like Aluminum Composite Panels (ACP), PVC, CPVC and UPVC and their use in construction.								18
3	Understanding different types of partitions, wall paneling, cladding and Dry wall Technology used in building- their types and methods of construction using various								24

	materials.	
4	Understanding different types of paints and Wall finishes with different materials and techniques of application; Use and different types of curtains and blinds	12
5	Ventilations and skylights in different materials and their operational and fixing details.	12
5	different types of Flooring in house, institutes and Industrial flooring and Factors affecting choice of flooring materials	18
6	Modular unit system and its types and construction details	12
Text Books		
1	NA	
Reference Books		
1	New Architectural Interiors: Architectural design- Mostadi, Arian	
2	Materials: A sourcebook for walls & floors - Torre	
3	Materials and interior design - Brown, Rachael	
4	Materials for Interior Environments - Binggeli, Corky	

	SA - I'0 1	SA - I'0 2	SA I'0 3	SA I'0 4	SA I'0 5	SA I'0 6	SA I'0 7	SA I'0 8	SA I'0 9	SA I'S0 1	SA I'S0 2	SA I'S0 3
VIA226MC-CD1	2	2	1	2	2	2	2	1	2	2	3	2
VIA226MC-CD2	2	1	2	2	1	1	2	1	2	1	2	2
VIA226MC-CD3	3	2	1	2	3	2	1	2	1	3	3	3
VIA226MC-CD4	1	3	3	2	2	2	3	2	2	2	2	1