

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		2IIIA08PE		Subject Name		Professional Elective-I			
Teaching scheme					Examination scheme (Marks)				
(Per week)	Lecture(DT)		Practical(Lab.)		Total		CE	SEE	Total
	L	TU	P	TW					
Credit	-	-	1	1	2	Theory	-	-	-
Hours	-	-	1	1	2	Practical	40	60	100
Objectives:									
To explore subjects and topics other than regular one which add value the knowledge gained									
Learning Outcome:									
LO1:To analyse variety of latest materials used in construction industry									
LO2: Categorize the use of materials as per the size and scale of elements or building parts									
LO3: Observe various limitations and scop of specific material									
LO4: Evaluate the usage the materials and derive how this material is adopted as a substitute or regular use									
Theory syllabus									
Unit	Content								Hrs
A	Introduction of Plastic as a construction material								4
B	Overview about the manufacturing of plastic material. Types of Plastics. Properties of plastic.								8

C	Study Limitation and scope of Plastic as a construction material	8
D	Application of material on various elements and building component	6
E	Prepare a design and model for specific program to be executed with specific material selected	6

Practical content

Exercises based upon above topics. Models, installations and artworks

Text Books

1 NA

Reference Books

1 Building Skins and Details-Gao

2 Manual Of Tropical Housing -by Otto.Koenigsberger 04. 06.

3 Construction Technology Vol.-I-Chudley

4 Building Construction Illustrated-FransisD.K.Ching.

5 Fundamentals of Building Construction - Allen Edward