

GANPAT UNIVERSITY									
FACULTY OF ENGINEERING & TECHNOLOGY									
Programme		Bachelor of Technology			Branch/Spec.		Civil		
Semester		III			Version		2.0.0.0		
Effective from Academic Year			2019-20		Effective for the batch Admitted in			July 2018	
Subject code		2CI304		Subject Name		Building Planning Design			
Teaching scheme					Examination scheme (Marks)				
(Per week)	Lecture(DT)		Practical(Lab.)		Total		CE	SEE	Total
	L	TU	P	TW					
Credit	03	00	01	00	04	Theory	40	60	100
Hours	03	00	02	00	05	Practical	30	20	50
Pre-requisites:									
Learning Outcome:									
After successful completion of the course, student will be able to:									
<ul style="list-style-type: none"> Understand important of drawing. This course has been designed in such a way that a student can produce more detailed drawing related to construction of single storied , double storied residential buildings, public buildings and other simple civil engineering structures and in this subject also consider the application of building regulation and by-laws as per local authorities. 									
Theory syllabus									
Unit	Content								Hrs
BUILDING PLANNING									
1.	Study of general principles of Planning and Architecture.								4
2.	Typical Building Byelaws as per National Building Code and General Development Control Regulation.								6
3.	Planning of residential buildings, Public buildings and Multi-storied structure.								12
4.	Planning of Earthquake resistant buildings considering symmetry, simplicity, continuity, staircase, water tank etc.								5
5.	Preparing Working Drawings of Residential Buildings. Various types, Scale selection, Material description.								5
6.	Elements of Perspective Drawing-basic terms, One point and Two point Perspective								6
BUILDING DRAWING:									
7.	Drawing scales, different drawings, presentation drawings, drawing parallel and oblique perspective views, working drawings, staircase detailing and drawing, foundation layouts, landscape and other sketches.								7
								TOTAL	45
PRACTICALS / DRAWING / STUDIO :									
1. Assignment on planning of residential building (a)Bungalow ,(b) Duplex, (c) Apartment & (d) Row House									
2. Assignment on planning of public building									
Text Books									
1.	S.C.Rangwala, Building Planning & Drawing ,Charotar Publication.								
Reference Books									
1.	Shah M. G., Kale C. M., and S. Y. Patki, “ Building Drawing “, Tata Mc-Graw Hill Pub. Co. Ltd, New Delhi								
2.	Sane Y. S., “ Planning & Designing of Building “, Allies Book Stall, Puna								
3.	“General Development Control Regulations”, Urban Development Authority.								
4.	Ernest Pickering, “ Architectural Design”, John Wiley & Sons								
5.	Gurcharansingh , Building planning, designing and scheduling								
6.	National Building Code-2005, New Delhi.								
7.	General Development Control Regulations published by AUDA and GICEA								
ICT/MOOCs									
1.	https://nptel.ac.in/courses/124107001/								

2.	https://lecturenotes.in/download/note/23010?utm_source=materialpage&utm_medium=web&utm_campaign=download-page
3.	https://www.youtube.com/watch?v=TqwgACzlUhI