

Course Number and Name												
BCE6L1 - COMPUTER AIDED BUILDING DRAWING												
Credits and Contact Hours												
2 & 45												
Course Coordinator's Name												
Ms.R.Chitra												
Text Books and References												
TEXT BOOKS:												
1. Verma B.P ,”Civil Engg. Drawing & House planning”, Khanna publishers, Delhi, 2014												
2. Balagopal & Prabhu T S, “Building drawing & detailing”, Spades publishers, Calicut, 1984												
REFERENCES:												
1. M. G. Shah, C. M. Kale, S. Y. Patki ,“Building drawing”, Tata McGraw-Hill, 2002												
2. Kumaraswamy N, Kameswara Rao A, ”Building Planning & Drawing”, Charotar Publishing House, 1995												
Course Description												
<ul style="list-style-type: none"> To introduce the students to draw the plan, elevation and sectional views of buildings in accordance with development and control rules satisfying orientation and functional requirements as per National Building Code. 												
Prerequisites						Co-requisites						
Computer Practices Lab						NIL						
required, elective, or selected elective (as per Table 5-1)												
Course Outcomes (COs)												
CO1	To study about drawing of Residential Building using Autocad											
CO2	To study about drawing of RCC framed using Autocad											
CO3	To study about drawing of office building using Autocad											
CO4	To study about drawing of various types of Truss											
CO5	To Study about 3D drawing of a building using revit architecture											
Student Outcomes (SOs) from Criterion 3 covered by this Course												
COs/SOs	a	b	c	d	e	f	g	h	i	j	k	
CO1					M							
CO2					M							
CO3					M							
CO4					M							
CO5					M							
List of Topics Covered												

Building Drawing in Accordance with Development and Control Rules Satisfying Orientation and Functional Requirements for the following:

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| 1. Residential buildings with load bearing walls (RCC roof) | 9 |
| 2. RCC framed structures | 9 |
| 3. Office buildings (RCC roof) | 9 |
| 4. Industrial buildings – North light roof structures – Trusses –
Gantry arrangements | 9 |
| 5. Perspective view for small buildings | 9 |