

1.	Title of the course	Building Construction and Drawing
2.	Course number	CE319M
3.	Structure of credits (L-T-P-C)	1-0-3-3
4.	New course/modification to	Modified with CE205P/BUILDING DRAWING
5.	To be offered by	Civil and Environmental Engineering
6.	Proposed by	A V Rahul
7.	Prerequisite	None
8.	<b>Course Objective(s):</b> To illustrate how to read and create architectural and structural design drawings of different building components using drafting tools.	
9.	<b>Course Content:</b> Overview of different building components: foundations, masonry walls, arches, lintels, different floors and roofing systems; Introduction to building drawing: universal signs and symbols, line types, scale; Building floor plans, elevations, sections; Drafting of different footings; Masonry walls, lintels, arches; Reinforced cement concrete drawings for columns, beams, stairs, slabs; Drawings of trusses; Drafting site plans; Introduction to 3D modelling of buildings.	
10.	<b>Textbook(s):</b> 1. Prabhu B T S, Paul K V and Vijayan C, Building Design and Civil Engineering Drawing, Spades Publishers and Distributors (2015).	
11.	<b>Reference(s):</b> 1. Ching F D K, Building Construction Illustrated, 5th Edition, John Wiley and Sons (2014).	