



## DEPARTMENT OF CIVIL ENGINEERING

COURSE PLAN – PART I			
Name of the programme and specialization	B.Tech ( Civil Engineering)		
Course Title	Building Planning and Drawing Laboratory		
Course Code	CELR15	No. of Credits	2
Course Code of Pre-requisite subject(s)			
Session	January 2019	Section (if, applicable)	A
Name of Faculty	Mrs. Gouri Gopan	Department	Civil Engineering
Official Email	gouri@nitt.edu	Telephone No.	8281510657
Name of Course Coordinator(s) (if, applicable)			
Official E-mail		Telephone No.	
Course Type (please tick appropriately)	<input checked="" type="checkbox"/> Core course	<input type="checkbox"/> Elective course	
<b>Syllabus (approved in BoS)</b>			
Classification of buildings-Principles of planning-Dimensions of buildings-Building bye laws for floor area ratio,open spaces-Orientation of buildings-Lighting and Ventilation-Planning and preparing sketches and working drawings of Residential buildings (Flat and sloping roof) , Schools, Hostels, hospitals, Single-storey factory buildings with trusses. Detailed working drawings of the component parts-Doors and Windows-Roof Trusses-Staircases-Toilets			
<b>COURSE OBJECTIVES</b>			
<ul style="list-style-type: none"><li>To understand the principles of planning and bye-laws</li><li>To draw plan, elevation and section of load bearing and framed structures</li><li>To draw plan, elevation and section of public and industrial structures</li><li>To prepare detailed working drawing for doors, windows, etc.</li></ul>			
<b>MAPPING OF COs with POs</b>			
<b>Course Outcomes</b>	<b>Programme Outcomes (PO)</b>		
1. Apply the principles of planning and bylaws used for building planning	6,11		
2. Draw plan, elevation and section for various structures	8,10		



**COURSE PLAN – PART II**

**COURSE OVERVIEW**

The objective of the Building Planning and Drawing Laboratory is to demonstrate the planning and bye-laws. In addition, empowering the students with various concepts like dimensioning, conventions and improve their visualization skills standards related to working drawings in order to become professionally efficient.

**COURSE TEACHING AND LEARNING ACTIVITIES**

S.No.	Week/Contact Hours	Topic	Mode of Delivery
1	2nd week of January	Drawing on conventional signs and symbols in building drawing	Chalk - board, PPT and practical sessions
2	3rd week of January	Drawing on electrical installation in building	
3	1st week of February	Foundation and Footing drawings	
4	2nd week of February	Drawing- Doors and windows	
5	3rd week of February	Various columns drawings – Steel, Concrete and Composite	
6	4th week of February	Drawing- Roof trusses, Staircases	
7	2nd week of March	Drawing – Residential building 1 (Flat roof and Sloping Roof)	
8	3rd week of March	Drawing – Official building	
9	4th week of March	Drawing – School Building	



10	1st week of April	Drawing – Primary health centre	Chalk - board, PPT and practical sessions
11	3rd week of April	Final Assessment	

**COURSE ASSESSMENT METHODS**

S.No.	Mode of Assessment	Week/Date	Duration	% Weightage
1	Continuous assessment	Every week	3 hours	60
2	Written Test	3 <sup>rd</sup> week of April	1 hour	10
3	Final assessment	3 <sup>rd</sup> week of April	3 hours	30

\*mandatory

**COURSE EXIT SURVEY** (mention the ways in which the feedback about the course shall be assessed)

1. Feedback from the students during class committee meeting
2. End semester feedback on course outcomes

**COURSE POLICY**

- All exercises should be completed and recorded in the Lab record
- Attendance during each assessment is mandatory
- Passing minimum (Internal Assessments + Written Exam + Practical Exam) is 35% or (Class average/2) whichever is greater

**ATTENDANCE POLICY** (A uniform attendance policy as specified below shall be followed)

- At least 75% attendance in each course is mandatory.
- A maximum of 10% shall be allowed under On Duty (OD) category.
- Students with less than 65% of attendance shall be prevented from writing the final assessment and shall be awarded 'V' grade.

**ACADEMIC DISHONESTY & PLAGIARISM**

- Possessing a mobile phone, carrying bits of paper, talking to other students, copying from others during an assessment will be treated as punishable dishonesty.
- Zero mark to be awarded for the offenders. For copying from another student, both students get the same penalty of zero mark.
- The departmental disciplinary committee including the course faculty member, PAC



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chairperson and the HoD, as members shall verify the facts of the malpractice and award the punishment if the student is found guilty. The report shall be submitted to the Academic office.

- The above policy against academic dishonesty shall be applicable for all the programmes.

## ADDITIONAL INFORMATION, IF ANY

- The Course Faculty is available for consultation during office hours
- Queries may also be emailed to the Faculty at [gouri@nitt.edu](mailto:gouri@nitt.edu)

## FOR APPROVAL

Course Faculty

CC- Chairperson

HOD