

## DEPARTMENT OF CHEMICAL ENGINEERING

	COURSE PL	AN - PART I	
Name of the programme and specialization	B.Tech, Electrical & E	Electronics Engineer	ring
Course Title	Basics of Civil Engine	eering	
Course Code	CEIR11	No. of Credits	2
Course Code of Pre- requisite subject(s)	Company of the	* College to pole	State Services
Session	Summer 2022	Section (if, applicable)	
Name of Faculty	Dr. Greegar George	Department	Civil Engineering
Official Email	greegar@nitt.edu	Telephone No.	9483742674
Name of Course Coordinator(s) (if, applicable)	PERSONAL PROPERTY OF THE PROPE	FOR STATE SERVICE  FOR STATE SER	
Official E-mail		Telephone No.	
Course Type (please tick appropriately)	T Core course	Elective con	urse
		The Address of the San State of the San	
Syllabus (approved in	BoS)		
Site selection for build foundations - Brick and Roads-Classification of road Marking-Traffic Signary Surveying - Classificat survey equipment.	ion-Chain Survey-Rangi ums- Water Supply-Qual arge of Ground Water.	building - Foundati ring - Lintels, beams ads- Pavement Mate ing-Compass Surve	on- Shallow and deep and columns - Roofs. erials-Traffic signs and y-exhibition of different
COOKSE OBJECTIVES		14 500 7	
of all branches of	iew of the fundamentals of Engineering, portance of the Civil Engir		
MAPPING OF COs with	POs		
Course Outcomes			Programme



		Outcomes (PO) (Enter Numbers only)
1.	The students will gain knowledge on site selection	1, 3, 4, 8
2.	The students will gain knowledge on construction materials.	1, 3, 4, 8, 10
3.	The students will gain knowledge on components of buildings.	1, 3, 4, 8, 9
4.	The students will gain knowledge on roads and water resources.	1, 3, 4, 8, 9, 10
5.	A basic appreciation of multidisciplinary approach when involved in Civil Related Projects.	1, 4, 8, 9, 10

#### COURSE PLAN - PART II

#### **COURSE OVERVIEW**

- This course gives students the knowledge about the fundamentals of Civil Engineering such as properties and uses of construction materials, building construction, construction of roads, surveying methods and equipment, water resources and waste water related concepts
- This is a 2 Credit course offered to all branches of engineering except Civil Engineering

#### ( Add more rows) COURSE TEACHING AND LEARNING ACTIVITIES Mode of Delivery Topic Week/Contact S.No. Hours Properties and uses of construction materials - Stones- (Quality, PPT / Digital writing 1 Week 1 board (Online) Quarrying, Dressing, Uses) Properties and uses of construction PPT / Digital writing materials - Bricks (Manufacture, Week 1 2 board (Online) Quality, Classification, Uses) Properties and uses of construction PPT / Digital writing materials - Cement - (Constituents, Week 1 3 Manufacture, Properties, Uses, board (Online) Types) Properties and uses of construction materials - Concrete - (Advantages, PPT / Digital writing Constituents, Properties, Week 2 4 board (Online) Proportioning, Manufacture and Types, Uses) Properties and uses of construction PPT / Digital writing materials - Steel - (Varieties, Week 2 5 Properties and Uses, Commercial board (Online) forms) Site selection for buildings -PPT / Digital writing Component of building - Foundation-Week 2 6 board (Online) Shallow and deep foundations



7	Week 2	Brick and stone masonry - Plastering - Lintels, beams and columns - Roofs			PPT / Digital writing board (Online)	
8	Week 3	Roads-Classification of Rural and urban Roads- Pavement Materials		PPT / Digital writing board (Online)		
9	Week 3	Traffic signs and road Marking-Traffic Signals		PPT / Digital writing board (Online)		
10	Week 3	Surveying - Classification-Chain Survey-Ranging-Compass Survey		PPT / Digital writing board (Online)		
11	Week 4	Exhibition of different survey equipment		PPT / Digital writing board (Online)		
12	Week 4	Sources of Water - Dams- Water Supply-Quality of Water-Wastewater Treatment		PPT / Digital writing board (Online)		
13	Week 4	Sea	Water Intrusion – Re Ground Water	charge of PPT / Digital writing board (Online)		
COURSE	E ASSESSMENT MET	HODS	shall range from 4 to	6)		distance of
S.No.	Mode of Assessm	ent	Week/Date	Duratio	n	% Weightage
1	Assessment 1		End of 2 <sup>nd</sup> Week	1 hour		15
2	Assessment 2		End of 3 <sup>rd</sup> Week	1 hour	COURT OF	15
3	Assignments - Two		As per deadlines announced in class	Assignments are to be submitted with in 1 week duration		20

\*mandatory; refer to guidelines on page 4

Quizzes

Final Assessment \*

4

5

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

End of 4th Week

2 hours

20

30



- 1. Feedback from students during Class committee meetings
- Anonymous feedback through questionnaire at the end of the semester (through the feedback section portal in "mis")

## COURSE POLICY (including compensation assessment to be specified)

- 1. The closing date of attendance for the subject is 30-06-2022.
- 2. 100 % attendance is desirable for every student, minimum being 75%.
- 3. Attendance during each assessment is mandatory.
- 4. Submission of assignments as per schedule is compulsory.
- 5. Compensation assessment will not be provided since this course is a summer redo.

# 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 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 faculty is available for consultation during office hours at room number 204 of Department of Civil Engineering.
- 2. Queries if any can also be emailed to the faculty or through MS Teams.

FOR APPROVAL		
Dr Greegar George		Λ
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Course Faculty	CC- Chairperson	HOD

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विभाग प्रमुख / Head of The Department ंगृतिली व क्वाडीव वरिकारित / Daystant of Electrics Engineation ाजीव प्रीचारिकी संख्यान / National Institute of Technology तिरुचिरावल्की - 620 015 / Tirushirappelli - Pager 4 of 5 धरिकानाकु, भारत / TamilNadu, INDIA



#### Guidelines

- a) The number of assessments for any theory course shall range from 4 to 6.
- b) Every theory course shall have a final assessment on the entire syllabus with at least 30% weightage.
- c) One compensation assessment for absentees in assessments (other than final assessment) is mandatory. Only genuine cases of absence shall be considered.
- d) The passing minimum shall be as per the regulations.

B.Tech. Admitted in			P.G.	
2018	2017	2016	2015	
35% or (Class		(Peak/3) or (Cla		40%

- e) Attendance policy and the policy on academic dishonesty & plagiarism by students are uniform for all the courses.
- f) Absolute grading policy shall be incorporated if the number of students per course is less than 10.
- g) Necessary care shall be taken to ensure that the course plan is reasonable and is objective.