

VIRUDHUNAGAR S.VELLAICHAMY NADAR POLYTECHNIC COLLEGE (AUTONOMOUS),
(Affiliated to Directorate of Technical Education, Chennai – 25)
VIRUDHUNAGAR – 626 001.

CURRICULUM OUTLINE AND SCHEME OF EXAMINATIONS
PROGRAMME: CIVIL ENGINEERING

N1-SCHEME

III TERM

Course Code	Course Name	Column No	Hours Per Week			Credits	Prerequisites	Duration of Exam	Marks			Minimum for Pass
			Theory	Drawing	Practical				Int	Ext	Total	
N1CE204	Engineering Mechanics	1	6	-	-	6	N1BE103	3	25	75	100	40
N1CE205	Construction Materials and Construction Practice	2	5	-	-	5	-	3	25	75	100	40
N1CE206	Surveying – I	3	5	-	-	5	-	3	25	75	100	40
N1CE209	Civil Engineering Drawing – I	4	-	6	-	4	N1BE201	3	25	75	100	40
N1CE308	Material Testing Lab – I	5	-		3	2	N1CE204	3	25	75	100	50
N1CE210	Surveying Practice – I	6	2		4	4	N1CE206	3	25	75	100	50
N1CE311	CAD in Civil Engineering Drawing - I	7	1		3	3	N1CE209	3	25	75	100	50
TOTAL			19	6	10	29			175	525	700	

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IV TERM

Course Code	Course Name	Column No	Hours Per Week			Credits	Prerequisites	Duration of Exam	Marks			Minimum for Pass
			Theory	Drawing	Practical				Int	Ext	Total	
N1CE301	Theory of Structures	1	6	-	-	6	N1CE204	3	25	75	100	40
N1CE302	Transportation Engineering	2	5	-	-	5	-	3	25	75	100	40
N1CE303	Surveying - II	3	5	-	-	5	N1CE206	3	25	75	100	40
N1CE207	Estimating and Costing -I	4	5	-	-	5	-	3	25	75	100	40
N1CE309	Material Testing Lab - II	5	-	-	3	2	N1CE302	3	25	75	100	50
N1CE310	Surveying Practice -II	6	2	-	4	4	N1CE210	3	25	75	100	50
N1CE409	3-D CAD in Civil Engineering Drawing	7	-	-	5	2	N1CE311	3	25	75	100	50
TOTAL			23		12	29			175	525	700	

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V TERM

Course Code	Course Name	Column No	Hours Per Week			Credits	Prerequisites	Duration of Exam	Marks			Minimum for pass
			Theory	Drawing	Practical				Int	Ext	Total	
N1CE304	Structural Engineering	1	6	-	-	6	N1CE301	3	25	75	100	40
N1CE305	Environmental Engineering and Pollution Control	2	5	-	-	5	-	3	25	75	100	40
N1CE401	<u>Elective Theory –I</u> a)Water Resources Management	3	5	-	-	5	N1CE208	3	25	75	100	40
N1CE402	b)Remote Sensing and GIS						N1CE303	3	25	75	100	40
N1CE403	c)Building Services						-	3	25	75	100	40
N1CE404	d) Soil Mechanics and Foundation Engineering						-	3	25	75	100	40
N1CE312	Civil Engineering Drawing -II	4		6	-	4	N1CE209	3	25	75	100	40
N1CE313	Construction Practice Lab	5	-		3	2	N1CE205	3	25	75	100	50
N1CE314	CAD in Civil Engineering Drawing - II	6	-		6	3	N1CE312	3	25	75	100	50
N1CE317	Environmental Engineering Practical	7	-		4	2	N1CE305	3	25	75	100	50
TOTAL			16	6	13	27			175	525	700	

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PROGRAMME: CIVIL ENGINEERING

N1–SCHEME

VI TERM

Course Code	Course Name	Column No	Hours Per Week			Credits	Prerequisites	Duration of Exam	Marks			Minimum for pass
			Theory	Drawing	Practical				Int	Ext	Total	
N1CE306	Construction Management with MIS	1	5	-	-	5	-	3	25	75	100	40
N1CE208	Hydraulics	2	6	-	-	6	-	3	25	75	100	40
N1CE405	<u>Elective Theory – II</u> a)Advanced Construction Technology	3	5	-	-	5	N1CE205	3	25	75	100	40
N1CE406	b)Town Planning						-	3	25	75	100	40
N1CE407	c)Steel Structures						N1CE304	3	25	75	100	40
N1CE408	d) Earthquake Engineering							3	25	75	100	40
N1CE307	Estimating and Costing - II	4	5	-	-	5	N1CE207	3	25	75	100	40
N1CE315	Hydraulics Practical	5		-	3	2	N1CE208	3	25	75	100	50
N1CE316	Computer Applications in Civil Engineering	6		-	5	3	N1CE311	3	25	75	100	50
N1CE410	Project Work and Seminar	7		-	4	4	N1CE304 N1CE307	3	25	75	100	50
TOTAL		23		-	12	30			175	525	700	