

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: Diploma in Computer Engineering

N1–SCHEME

III TERM

Course Code	Course Name	Col No	Hours Per week			Credits	Duration of Exam in hours	Examination Marks			Minimum For pass
			Theory	Drawing	Tutorial \ Practical			Internal Assessment marks	External Exam Marks	Marks	
N1CT204	Digital Electronics and Microprocessor	1	5	-	-	5	3	25	75	100	40
N1CT205	Operating Systems	2	5	-	-	5	3	25	75	100	40
N1CT206	C Programming	3	6	-	-	6	3	25	75	100	40
N1CT208	Digital Electronics and Microprocessor Practical	4	-	-	5	2	3	25	75	100	50
N1CT209	Linux Practical	5	-	-	4	2	3	25	75	100	50
N1CT210	C Programming Practical	6	-	-	6	3	3	25	75	100	50
N1CT311	CCTV & Security Systems Practical	7	-	-	4	2	3	25	75	100	50
	TOTAL		16	-	19	25		175	525	700	

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IV TERM

Course Code	Course Name	Col No	Hours Per week			Credits	Duration of Exam in hours	Examination Marks			Minimum for Pass
			Theory	Drawing	Tutorial \ Practical			Internal Assessment marks	External Exam Marks	Marks	
N1CT207	Software Engineering	1	4	-	-	4	3	25	75	100	40
N1CT301	Computer Networks and Security	2	5	-	-	5	3	25	75	100	40
N1CT302	Object Oriented Programming with Java	3	6	-	-	7	3	25	75	100	40
N1CT303	Data Structures Using C	4	6	-	-	6	3	25	75	100	40
N1CT309	Java Programming Practical	5	-	-	5	3	3	25	75	100	50
N1CT310	Data Structures Using C Practical	6	-	-	5	3	3	25	75	100	50
N1CT211	Arduino and Raspberry Pi Programming Practical	7	-	-	4	2	3	25	75	100	50
	TOTAL		21	-	14	30		175	525	700	

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N1–SCHEME

V TERM

Course Code	Course Name	Col No	Hours Per week			Credits	Duration of Exam in hours	Examination Marks			Minimum For pass
			Theory	Drawing	Tutorial \ Practical			Internal Assessment marks	External Exam Marks	Marks	
N1CT304	Web Programming	1	5	-	-	6	3	25	75	100	40
N1CT305	Relational Database Management System	2	5	-	-	6	3	25	75	100	40
N1CT306	Component Based Technology	3	5	-	-	5	3	25	75	100	40
N1CT401	<u>Elective Theory – I</u> A) Cloud Computing	4	4	-	-	4	3	25	75	100	50
N1CT402	B) Multimedia Systems										
N1CT403	C) Computer Architecture										
N1CT312	Web Programming Practical	5	-	-	4	2	3	25	75	100	50
N1CT313	Relational Database Management System Practical	6	-	-	6	3	3	25	75	100	50
N1CT314	Component Based Technology Practical	7	-	-	6	3	3	25	75	100	50
	TOTAL		19	-	16	29		175	525	700	

CURRICULUM OUTLINE AND SCHEME OF EXAMINATIONS

PROGRAMME: Diploma in Computer Engineering

N1–SCHEME

VI TERM

Course Code	Course Name	Col No	Hours Per week			Credits	Duration of Exam in hours	Examination Marks			Minimum For pass
			Theory	Drawing	Tutorial \ Practical			Internal Assessment marks	External Exam Marks	Marks	
N1CT307	Computer Hardware and Servicing	1	6	-	-	7	3	25	75	100	40
N1CT308	Mobile Computing	2	6	-	-	6	3	25	75	100	40
N1CT404	<u>Elective Theory –II</u> A)Open Source Software	3	5	-	-	5	3	25	75	100	40
N1CT405	B) Advanced Java Programming										
N1CO400	C) Nano and Solar Engineering										
N1CT315	Computer Servicing and Network Practical	4	-	-	5	3	3	25	75	100	50
N1CT316	Mobile Computing Practical	5	-	-	4	2	3	25	75	100	50
N1CT406	<u>Elective Practical –I</u> A)Open Source Software Practical	6	-	-	4	2	3	25	75	100	50
N1CT407	B) Advanced Java Programming Practical										
N1CO401	C) Nano and Solar Engineering Practical										
N1CT408	Project Work and Seminar	7	-	-	5	6	3	25	75	100	50
	TOTAL		17	-	18	31		175	525	700	