



ST. VINCENT PALLOTTI COLLEGE OF ENGINEERING & TECHNOLOGY, NAGPUR

(An autonomous institution affiliated to Rashtrasant Tukadoji Maharaj Nagpur University)

B. Tech. Scheme of Examination & Syllabus 2021-22

COMPUTER ENGINEERING

VII Semester

Sr No	Course Code	Course Title	Hours perWeek			Credits	Maximum Marks		
			L	T	P		Continual Assessment	End Sem Examination	Total
1	21CE701T	Compiler Construction	4	-	-	4	30	70	100
2	21CE701P	Compiler Construction Lab	-	-	2	1	25	25	50
3	21CE702T	Professional Elective - IV	4	-	-	4	30	70	100
4	21CE702P	Professional Elective - IV Lab	-	-	2	1	25	25	50
5	21CE703T	Professional Elective - V	4	-	-	4	30	70	100
6	21CE761O	Open Elective - III	3	-	-	3	30	70	100
7	21CE704P	Project - II	-	-	8	4	100	100	200
8	21CE705P	Summer/Winter Internship *	-	-	-	2	50	-	50
9	21CE706P	Capstone Course – II **	-	-	2	1	50	-	50
Total			15		14	24	370	430	800

* Summer / Winter Internship (Evaluation of Four weeks Internship.)

** Capstone Course – II (Comprehensive knowledge gained in Computer Engineering)

21CE702T	Professional Elective - IV
21CE702T(i)	PE-IV IOT & Its Applications
21CE702T(ii)	PE-IV Fundamentals of Virtual & Augmented Reality
21CE702T(iii)	PE-IV Cryptography & Network Security

21CE703T	Professional Elective - V
21CE703T(i)	PE- V Ad Hoc and Sensor Networks
21CE703T(ii)	PE- V Deep Learning
21CE703T(iii)	PE- V Real Time Operating System

21CE702P	Professional Elective – IV lab
21CE702P(i)	PE-IV IOT & Its Applications Lab
21CE702P(ii)	PE-IV Fundamentals of Virtual & Augmented Reality Lab
21CE702P(iii)	PE-IV Cryptography & Network Security Lab

21CE761O	Open Elective - III
21CE761O	OE-III Cyber Security and Ethics

		July 2024	1	Applicable for 2024-25
Chairman - BoS	Dean – Academics	Date of Release	Version	



SEMESTER VIII

Option A

Sr No	Course Code	Course Title	Hours per Week			Credits	Maximum Marks		
			L	T	P		Continual Assessment	End Sem Examination	Total
1	21CE801P*	Project based on one semester internship in Industry/Research Institute/ National Laboratories/ Incubation Center	-	-	-	12	200	200	400
Total			0	0	0	12	200	200	400

*End semester examination will consist of evaluation of seminar & project report.

Option B

Sr No	Course Code	Course Title	Hours per Week			Credits	Maximum Marks		
			L	T	P		Continual Assessment	End Sem Examination	Total
1	21CE801P#	Institutional Internship	-	-	12	6	100	100	200
2	21CE802P	Project – III	-	-	12	6	100	100	200
Total			0	0	0	12	200	200	400

Option B is available to students only after recommendation of the concerned Head of the department. The project and internship should contribute towards career development plan of the students.

* Minimum 90 days internship in any industry and project is to be carried out during internship.

Two NPTEL courses (as per choice of student) or Institutional Internship by IEDC, SVP CET.

		July 2024	1	Applicable for 2024-25
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