Scheme of Examination - VII Semester

Sr No	Course Code	Course Title	Hours per Week			Credits	Maximum Marks		
			L	T	P		Continual Assessment	End Sem Examination	Total
1	21DS701T	Big Data Analytics & Machine Learning	3	1	-	4	30	70	100
2	21DS701P	Big Data Analytics & Machine Learning Lab	-	-	2	1	25	25	50
3	21DS702T	Data Modeling and Optimization	3	1	-	4	30	70	100
4	21DS702P	Data Modeling and Optimization Lab	-	-	2	1	25	25	50
5	21DS703T	Professional Elective-III	4	-	-	4	30	70	100
6	21DS761O	Open Elective - III	3	-	-	3	30	70	100
7	21DS704P	Project - II	-	-	4	4	100	100	200
8	21DS705P	Summer/Winter Internship*	-	-	-	2	50	-	50
9	21DS706P	Capstone Course – II **	-	-	2	1	50	-	50
		Total	**13**	**2**	**10**	**24**	**370**	**430**	**800**

* Summer / Winter Internship (Evaluation of Four weeks Internship Completion till 6th Semester)
** Capstone Course – II (Comprehensive knowledge gained in *CSE(Data Science)*)

21DS761O	Open Elective - III
21DS761O(i)	OE-III Android App Development

21DS703T	Professional Elective-III
21DS703T(i)	PE- III Artificial Intelligence
21DS703T(ii)	PE- III Compiler Construction
21DS703T(iii)	PE- III Mathematical Modelling for Data Science
21DS703T(iv)	PE- III Reinforcement Learning

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

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 SCIENCE & ENGINEERING (DATA SCIENCE)

Scheme of Examination - VIII Semester

Option A

Sr No	Course Code	Course Title	Hours per Week			Credits	Maximum Marks		
			L	T	P		Continual Assessment	End Sem Examination	Total
1	21DS801P	Project based on one semester internship in Industry/Research Institute/ National Laboratories/ Incubation Center				12			
Total			**0**	**0**	**0**	**12**	**200**	**200**	**400**

*End Sem Examination consists of evaluation of Seminar and Project report

Option B is available to students only after recommendation of the concerned Head of the department. The project and internship should contribute towar21DS career development plan of the students.

Sr No	Course Code	Course Title	Hours per Week			Credits	Maximum Marks		
			L	T	P		Continual Assessment	End Sem Examination	Total
1	21DS802P	Institutional Internship	-	-	12	6	100	100	200
2	21DS803P	Project - III	-	-	12	6	100	100	200
Total			**0**	**0**	**12**	**12**	**200**	**200**	**400**

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

Scheme of Examination - VIII Semester

Option A

Sr No	Course Code	Course Title	Hours per Week			Credits	Maximum Marks		
			L	T	P		Continual Assessment	End Sem Examination	Total
1	21DS801P	Project based on one semester internship in Industry/Research Institute/ National Laboratories/ Incubation Center				12			
Total			**0**	**0**	**0**	**12**	**200**	**200**	**400**

*End Sem Examination consists of evaluation of Seminar and Project report

Option B is available to students only after recommendation of the concerned Head of the department. The project and internship should contribute towar21DS career development plan of the students.

Sr No	Course Code	Course Title	Hours per Week			Credits	Maximum Marks		
			L	T	P		Continual Assessment	End Sem Examination	Total
1	21DS802P	Institutional Internship	-	-	12	6	100	100	200
2	21DS803P	Project - III	-	-	12	6	100	100	200
Total			**0**	**0**	**12**	**12**	**200**	**200**	**400**

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