



ST. VINCENT PALLOTTI COLLEGE OF ENGINEERING & TECHNOLOGY, NAGPUR

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

B. Tech. Scheme of Examination & Syllabus 2023-24

COMPUTER SCIENCE & ENGINEERING (DATA SCIENCE)

SEMESTER III

Sr No	Course Category	Course Code	Course Title	Hours per Week			Credits	Maximum Marks		
				L	T	P		Continual Assessment	End Sem Examination	Total
1	PCC	23DS301T	Mathematics for Data Science	4	-	-	4	30	70	100
2	PCC	23DS302T	Object Oriented Programming	3	-	-	3	30	70	100
3	PCC	23DS302P	Object Oriented Programming Lab	-	-	2	1	25	25	50
4	PCC	23DS303T	Digital Circuits & Computer Architecture	3	-	-	3	30	70	100
5	PCC	23DS304P	Digital Circuits & Internet of Things Lab	-	-	4	2	25	25	50
6	PCC	23DS305P	Data Science Lab - I	-	-	2	1	25	25	50
7	PCC	23DS306P	Web Technologies Lab	-	-	4	2	25	25	50
8	SEC	23DS307P	Career Development III	-	-	2	1	50	-	50
9	VEC	23ES301T	Value Education Course - I	2	-	-	2	15	35	50
10	ELC	23DS308P	Micro Project I *	-	-	2	1	50	-	50
11	MDM	23DS331M	MDM-I Data Analytics with Excel	2	-	-	2	15	35	50
Total				14	-	16	22	320	380	700

* Field Project or Community engagement project in the major discipline

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



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COMPUTER SCIENCE & ENGINEERING (DATA SCIENCE)

SEMESTER IV

S r N o	Cou rse Cate g ory	Course Code	Course Title	Hours per Week			Credi ts	Maximum Marks		
				L	T	P		Continual Assessment	End Sem Examinati on	Tota l
1	PCC	23DS401T	Data Structures & Algorithms	4	-	-	4	30	70	100
2	PCC	23DS401P	Data Structures & Algorithms Lab	-	-	4	2	25	25	50
3	PCC	23DS402T	Operating System	3	-	-	3	30	70	100
4	PCC	23DS403T	Database Management System	3	-	-	3	30	70	100
5	PCC	23DS403P	Database Management System Lab	-	-	2	1	25	25	50
6	PCC	23DS404P	Data Handling & Visualization Lab	-	-	2	1	15	35	50
7	OE	23DS461O	Open Elective - I	2	-	-	2	15	35	50
8	VSC	23DS406T	Technical Skill Development - I	2	-	-	2	50	-	50
9	SEC	23DS407P	Career Development - IV	-	-	2	1	50	-	50
10	ELC	23DS408P	Micro Project II*	-	-	2	1	50	-	50
Total				14	-	12	20	320	330	650

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Open Elective - I	
23DS461O (i)	Data Analytics

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