



ST. VINCENT PALLOTTI COLLEGE OF ENGINEERING & TECHNOLOGY, NAGPUR

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

M. Tech. Scheme of Examination & Syllabus 2026-27

COMPUTER SCIENCE AND ENGINEERING (BIG DATA ANALYTICS)

Semester-I M. Tech. CSE (BDA)

Sr. No	Course Code	Course Title	TOTAL Hours			Credits	Maximum Marks		Total	Minimum Passing Marks	No. of Hrs for ESE
			L	T	P		Continual Assessment	End Sem Examination			
1	26BD101T	Fundamentals of Data Analytics	3	-	-	3	40	60	100	50	3
2	26BD102T	Artificial Intelligence and Machine Learning	3	-	-	3	40	60	100	50	3
3	26BD103T	Data Engineering Foundation	3	-	-	3	40	60	100	50	3
4	26BD104T	Program Elective-I	3	-	-	3	40	60	100	50	3
5	26BD105P	Technical Seminar-I	-	-	8	4	50	-	50	25	-
6	26BD106P	Mini Project-I	-	-	8	4	50	-	50	25	-
Total			12	-	16	20	260	240	500	-	-

Program Elective-I	
26BD104T (i)	Data Science for Engineers
26BD104T (ii)	Big Data Computing

		July 2026	2.0	Applicable for 2026-27
Chairman - BoS	Dean – Academics	Date of Release	Version	



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COMPUTER SCIENCE AND ENGINEERING (BIG DATA ANALYTICS)

Semester-II M. Tech. CSE (BDA)

Sr No	Course Code	Course Title	TOTAL Hours			Credits	Maximum Marks		Total	Minimum Passing Marks	No. of Hrs for ESE
			L	T	P		Continual Assessment	End Sem Examination			
1	26BD201T	Data Driven Storytelling and Visualization	3	-	-	3	40	60	100	50	3
2	26BD202T	Programming for Data Analytics	3	-	-	3	40	60	100	50	3
3	26BD203T	Social media and Big Data Analytics	3	-	-	3	40	60	100	50	3
4	26BD204T	Research Methodology	2	-	-	2	20	30	50	25	1.5
5	26BD205T	Program Elective-II	3	-	-	3	30	70	100	50	3
6	26BD206P	Technical Seminar-II	-	-	6	3	50	-	50	25	-
7	26BD207P	Mini Project-II	-	-	6	3	50	-	50	25	-
Total			14	-	12	20	270	280	550	-	-

Program Elective-II	
26BD205T (i)	Exploratory Data Analysis for Data Science with R
26BD205T (ii)	Scalable Data Science

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COMPUTER SCIENCE AND ENGINEERING (BIG DATA ANALYTICS)

Semester-III M. Tech. CSE (BDA)

Sr No	Course Code	Course Title	Hours per Week			Credits	Maximum Marks		Minimum Passing Marks	Total
			L	T	P		Continual Assessment	End Sem Examination		
1	26BD301P	Internship, Seminar and Dissertation	-	-	40	20	300	100	200	400
Total			-	-	40	20	300	100	-	400

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COMPUTER SCIENCE AND ENGINEERING (BIG DATA ANALYTICS)

Semester-IV M. Tech. CSE (BDA)

Sr No	Course Code	Course Title	Hours per Week			Credits	Maximum Marks		Minimum Passing Marks	Total
			L	T	P		Continual Assessment	End Sem Examination		
1	26BD401P	Project and Dissertation	-	-	40	20	300	100	200	400
Total			-	-	40	20	300	100	-	400

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COMPUTER SCIENCE AND ENGINEERING (BIG DATA ANALYTICS)

Program Elective Basket

Program Elective-I	
26BD104T (i)	Data Science for Engineers
26BD104T (ii)	Big Data Computing

Program Elective-II	
26BD205T (i)	Exploratory Data Analysis for Data Science with R
26BD205T (ii)	Scalable Data Science

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