



# ST. VINCENT PALLOTTI COLLEGE OF ENGINEERING & TECHNOLOGY, NAGPUR

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

## M. Tech. Scheme of Examination & Syllabus 2025-26

### COMPUTER SCIENCE AND ENGINEERING (BIG DATA ANALYTICS)

#### I Semester M. Tech. CSE (BDA)

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

		July 2025	1.0	Applicable for 2025-26
Chairman - BoS	Dean – Academics	Date of Release	Version	



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#### II Semester M. Tech. CSE (BDA)

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

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#### III Semester M. Tech. CSE (BDA)

Sr No	Course Code	Course Title	Hours per Week			Credits	Maximum Marks		Total
			L	T	P		Continual Assessment	End Sem Examination	
1	25BD301P	Internship, Seminar & Dissertation	-	-	40	20	300	100	400
Total			-	-	40	20	300	100	400

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#### IV Semester M. Tech. CSE (BDA)

Sr No	Course Code	Course Title	Hours per Week			Credits	Maximum Marks		Total
			L	T	P		Continual Assessment	End Sem Examination	
1	25BD401P	Project & Dissertation	-	-	40	20	300	100	400
Total			-	-	40	20	300	100	400

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### COMPUTER SCIENCE AND ENGINEERING (BIG DATA ANALYTICS)

#### Professional Elective Basket

Program Elective-I	
25CSE104T (i)	Data Science for Engineers
25CSE104T (ii)	Big Data Computing

Program Elective-II	
25CSE205T (i)	Advanced R Programming for Data Analytics in Business
25CSE205T (ii)	Scalable Data Science

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