

B.Tech. CSE (AI-Driven Data Engineering and Cloud Computing) in association with Impetus Technologies

Shri Vaishnav Institute of Information Technology

Choice Based Credit System (CBCS) Scheme in the light of NEP-2020

B.Tech. CSE (AI-Driven Data Engineering and Cloud Computing) in association with Impetus Technologies

SEMESTER - IV (2026-2030)

S. No.	Course Code	Course Name	Teaching			Credits	Examination Scheme					Total Marks
							Theory			Practical		
							End Sem University Exam (60%)	Two Term Exam (20%)	Teachers Assessment* (20%)	End Sem University Exam (60%)	Teachers Assessment* (40%)	
1	ES307	Environmental Studies and Sustainability	3	0	0	3	60	20	20	0	0	100
2	BTCS401N	Data Base Management Systems	3	0	2	4	60	20	20	30	20	150
3	BTCS302N	Analysis & Design of Algorithms	3	0	2	4	60	20	20	30	20	150
4	BTDSE	Discipline Specific Elective II	3	0	2	4	60	20	20	30	20	150
5		Open Elective I **	3	0	0	3	60	20	20	0	0	100
6	BTIT410	Java Full Stack I	0	0	2	1	0	0	0	30	20	50
7	GEMOOC I	GEMOOC I	0	0	0	2	0	0	0	0	50	50
	Total		15	0	8	21	300	100	100	120	130	750

Discipline Specific Elective II	
BTDSE420	Introduction to Machine Learning
BTDSE423M	Information Storage & Management
BTDSE421M	Computer Graphics and Multimedia

Legends: L - Lecture ; T - Tutorial/Teacher Guided Student Activity ; P - Practical ;

*Teacher Assessment shall be based on following components: Quiz/Assignment/Project/Participation in Class, given that no component shall exceed more than 10 marks.

** Teaching scheme and code is available in the basket provided by the University.

Chair Person

Chair Person

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Dean Academic

Vice Chancellor

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Shri Vaishnav Vidyapeeth

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