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 - V (2026-2030)

S. No.	Course Code	Course Name	Teaching			Credits	Examination Scheme					Total Marks
							Theory			Practical		
			L	T	P		End Sem University Exam (60%)	Two Term Exam (20%)	Teachers Assessment* (20%)	End Sem University Exam (60%)	Teachers Assessment* (40%)	
1	BTCS501N	Theory of Computation	3	1	0	4	60	20	20	0	0	100
2	BTCS502N	Introduction to Artificial Intelligence	3	0	2	4	60	20	20	30	20	150
3	BTCS503M	Network Security and Cryptography	3	0	2	4	60	20	20	30	20	150
4	BTDSE	Discipline Specific Elective III	3	0	2	4	60	20	20	30	20	150
5	BTIT411	Java Full Stack II	0	0	2	1	0	0	0	30	20	50
6	BTIT508M	No Sql and MongoDB	0	0	2	1	0	0	0	30	20	50
7	BTDSE	Discipline Specific Elective IV	0	0	0	3	0	0	0	0	50	50
8	BTIT510	Multi-Disciplinary Research	0	0	4	2	0	0	0	0	50	50
	Total		**12**	**1**	**14**	**23**	**240**	**80**	**80**	**150**	**200**	**750**

Discipline Specific Elective III	
BTCSIT505N	Big Data Analytics
BTDSE512N	Software Testing and Quality Assurance
BTDSE513N	Next Generation Telecommunication Networks

Discipline Specific Elective IV	
GEMOOC II	Discipline Specific MOOC***

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.

***It is advisable to earn the credit of this course from MooC

Chair Person	Chair Person	Controller of Examinations	Registrar	Dean Academic	Vice Chancellor
Board of Studies	Faculty of Studies				
Shri Vaishnav Vidyapeeth	Shri Vaishnav Vidyapeeth	Shri Vaishnav Vidyapeeth	Shri Vaishnav Vidyapeeth	Shri Vaishnav Vidyapeeth	Shri Vaishnav Vidyapeeth
Vishwavidyalaya, Indore	Vishwavidyalaya, Indore	Vishwavidyalaya, Indore	Vishwavidyalaya, Indore	Vishwavidyalaya, Indore	Vishwavidyalaya, Indore