Shri Vaishnav Vidyapeeth Vishwavidyalaya, Indore

Shri Vaishnav Institute of Information Technology

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

B.Tech CSE with Specialization in Data Science (in association with IBM)

SEMESTER - IV (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	BTCS301N	Discrete Structures	4	0	0	4	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		**16**	**0**	**8**	**22**	**300**	**100**	**100**	**120**	**130**	**750**

Discipline Specific Elective II	
BTIBM422	Introduction to Predictive Analytics

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