Shri Vaishnav Vidyapeeth Vishwavidyalaya, Indore

Shri Vaishnav Institute of Information Technology

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

Diploma CSE with Specialization in Data Science

SEMESTER - IV (2026-2029)

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	DTCS401	Database Management Systems	3	1	2	5	60	20	20	30	20	150
2	DTCS402	Software Engineering	3	0	2	4	60	20	20	30	20	150
3	DTCS403	Design and Analysis of Algorithm	3	1	2	5	60	20	20	30	20	150
4	DTCS404	Web Technologies	0	0	4	2	0	0	0	0	50	50
5	DTCS407	Introduction to Datascience	3	0	2	4	60	20	20	30	20	150
6	ES306	Environmental Managerncnt and Sustainabiiity	3	0	0	3	60	20	20	0	0	100
	Total		**15**	**2**	**12**	**23**	**300**	**100**	**100**	**120**	**130**	**750**

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	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