Shri Vaishnav Vidyapeeth Vishwavidyalaya, Indore

Shri Vaishnav Institute of Information Technology

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

M.Tech CSE (DS/BDA)/ DS / BDA

SEMESTER - II (2025-2027)

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	MTCS201N	Advance Computer Architecture & Organization	3	0	0	3	60	20	20	0	0	100
2	MTCS202N	Advance Database Management System	2	0	2	3	60	20	20	30	20	150
3	MTRM301	Research Methodology in Engineering	3	1	0	4	60	20	20	0	0	100
4	MTCS203	Elective I	2	0	2	3	60	20	20	30	20	150
5	MTCS204	Elective II	2	0	2	3	60	20	20	30	20	150
6	MTCS207	Python for Data Science Lab	0	0	2	1	0	0	0	0	50	50
7	MTCS208	Comprehensive viva	0	0	2	1	0	0	0	100	0	100
8		Open Elective I**				3						0
	Total		**12**	**1**	**10**	**21**	**300**	**100**	**100**	**190**	**110**	**800**

Discipline Specific Elective I	
MTCS2031	Optimization Techniques for Analytics
MTCS2032	Data Management for Machine Learning
MTCS2033	Probabilistic Graphical Models

Discipline Specific Elective II	
MTCS2041	Introduction to Statistical Methods
MTCS2042	Data Warehousing
MTCS2043	Ethics for Data Science

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