



**Shri Vaishnav Vidyapeeth Vishwavidyalaya**  
**Shri Vaishnav Institute of Computer Applications**  
**Choice Based Credit System (CBCS) Scheme in the light of NEP-2020**  
**BCA with Big Data Analytics - IBM (Scheme 2022-2023)**

**SEMESTER - IV**

S. No.	CATEGORY	COURSE CODE	COURSE NAME	TEACHING SCHEME/WEEK			CREDITS	EXAMINATION SCHEME					TOTAL MARKS
				L	T	P		THEORY			PRACTICAL		
								End Sem University Exam (60%)	Two Term Exam (20%)	Teachers Assessment* (20%)	End Sem University Exam (60%)	Teachers Assessment* (40%)	
1	Major	BCABDA401	Database Management System	2	0	2	3	60	20	20	30	20	150
2		BCABDA402	Big Data Technologies (Hadoop)	2	0	2	3	60	20	20	30	20	150
3	Minor	BCABDA403	System Analysis and Design Concepts	3	0	0	3	60	20	20	0	0	100
4		BCABDA404	Basics of Computer Networks	3	0	0	3	60	20	20	0	0	100
5	SEC	VC	Vocational Course	0	2	4	4	0	0	0	30	20	50
6	GEC	GENERIC ELECTIVE		0	0	0	4	60	20	20	0	0	100
7	GEC	MOOC1	MOOC	0	0	0	2	0	0	0	0	50	50
<b>TOTAL</b>				<b>10</b>	<b>2</b>	<b>8</b>	<b>22</b>	<b>300</b>	<b>100</b>	<b>100</b>	<b>90</b>	<b>110</b>	<b>700</b>

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

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

Chairperson  
Board of Studies  
Shri Vaishnav Vidyapeeth  
Vishwavidyalaya, Indore

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Shri Vaishnav Vidyapeeth  
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Controller of Examinations  
Shri Vaishnav Vidyapeeth  
Vishwavidyalaya, Indore

Joint Registrar  
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Vishwavidyalaya, Indore

Vice Chancellor  
Shri Vaishnav Vidyapeeth  
Vishwavidyalaya, Indore