



**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 - V**

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	BCABDA501	Web Services	2	0	2	3	60	20	20	30	20	150
2		BCABDA502	Microservices Architecture and Implementation	2	0	2	3	60	20	20	30	20	150
3	DSE		Elective-I	4	0	0	4	60	20	20	0	0	100
5	SEC	VC	Vocational Course	0	2	4	4	0	0	0	30	20	50
6	Project	BCABDA503	Minor Project-I	0	0	12	6	0	0	0	30	20	50
<b>TOTAL</b>				<b>8</b>	<b>2</b>	<b>20</b>	<b>20</b>	<b>180</b>	<b>60</b>	<b>60</b>	<b>120</b>	<b>80</b>	<b>500</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.

Elective-I	
BCCA511	Recent Information Technology Trends
BCCA521	Information Systems for Management
BCCA531	Data Mining and Warehousing

**Chairperson**  
Board of Studies  
Shri Vaishnav Vidyapeeth  
Vishwavidyalaya, Indore

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Faculty of Studies  
Shri Vaishnav Vidyapeeth  
Vishwavidyalaya, Indore

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

**Joint Registrar**  
Shri Vaishnav Vidyapeeth  
Vishwavidyalaya, Indore

**Vice Chancellor**  
Shri Vaishnav Vidyapeeth  
Vishwavidyalaya, Indore