



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

**SEMESTER - V (Scheme 2021-2022)**

S. No.	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	BCCA502	Operations Research	3	0	0	3	60	20	20	--	--	100
2	BCCA603	Software Engineering	3	0	0	3	60	20	20	--	--	100
3	BTIBM701	Web Services	2	0	0	2	60	20	20	--	--	100
4	BCCA504	IT Infrastructure Management	3	1	0	4	60	20	20	--	--	100
5		Elective -I	3	0	0	3	60	20	20	--	--	100
6	BTIBM601	Microservice Architecture and Implementation	3	0	2	4	60	20	20	30	20	150
7		Generic Elective	0	0	0	3	--	--	--	30	20	50
8	MOOC1	MOOC	0	0	0	2	--	--	--	30	20	50
			<b>17</b>	<b>1</b>	<b>2</b>	<b>24</b>	<b>360</b>	<b>120</b>	<b>120</b>	<b>30</b>	<b>20</b>	<b>650</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	
BCCA515	Recent Information Technology Trends
BCCA525	Information Systems for Management
BCCA535	Data Mining and Warehousing

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Controller of Examinations  
Shri Vaishnav Vidyapeeth  
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Shri Vaishnav Vidyapeeth  
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