



**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+MCA**

**SEMESTER - IV (Scheme 2022-2023)**

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	BCCA401	Computer Networks	3	0	0	3	60	20	20	--	--	100
2	BCCA404	Introduction to Artificial Intelligence	4	0	0	4	60	20	20	--	--	100
3	BCCA403	Basics of Computer Graphics and Multimedia Concepts	3	0	0	3	60	20	20	--	--	100
4	ML307	Environmental Management and Sustainability	4	0	0	4	60	20	20	--	--	100
5	BCCA405	System Analysis and Design	3	0	0	3	60	20	20	--	--	100
6	BCCA406	Computer Graphics and Multimedia Lab	0	0	4	2	--	--	--	30	20	50
7	BCCA407	System Analysis and Design Lab	0	0	2	1	--	--	--	30	20	50
8	GE	Generic Elective	0	0	0	4	60	20	20	--	--	100
			17	0	6	24	360	120	120	60	40	700

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

Chairperson  
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