Shri Vaishnav Vidyapeeth Vishwavidyalaya
Shri Vaishnav Institute of Computer Applications -MCA
Choice Based Credit System (CBCS)

SEMESTER - IV

S. No.	COURSE CODE	COURSE NAME	TEACHING SCHEME/WEEK			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	MCCA401	Computer Graphics	3	1	4	6	60	20	20	30	20	**150**
2	MCCA412	Elective - Operations Research	3	1	0	4	60	20	20	--	--	**100**
	MCCA422	Elective -Numerical Methods										
	MCCA432	Elective -Data Mining and Warehousing										
3	MCCA403	Cloud Computing and Management	4	0	0	4	60	20	20	--	--	**100**
4	MCCA414	Elective -Managerial Economics	3	1	0	4	60	20	20	--	--	**100**
	MCCA424	Elective -Advanced DBMS										
	MCCA434	Elective -Advanced Computer Network										
5	MCCA405	Java Programming	3	1	4	6	60	20	20	30	20	**150**
			16	4	8	24	300	100	100	60	40	**600**

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.

Note: Students are adviced to take online MOOC'S courses of two credits.

Chairperson
Board of Studies
(Computer Science & Engineering,
Information Technology & Computer Applications)
Shri Vaishnav Vidyapeeth Vishwavidyalaya
Indore

Joint Registrar
Shri Vaishnav Vidyapeeth Vishwavidyalaya
Indore