



**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: MCA**

**SEMESTER - III (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	MCA301	Design Methods and Analysis of Algorithms	3	1	0	4	60	20	20	--	--	100
2	MCA302	Software Engineering	3	1	2	5	60	20	20	30	20	150
3		Elective-I	3	0	0	3	60	20	20	0	0	100
4		Elective-II	3	0	0	3	60	20	20	0	0	100
5	MCA305	Python Programming	3	0	4	5	60	20	20	30	20	150
6	MBAI301C	Advanced Human Values and Professional Ethics	3	0	0	3	60	20	20	0	0	100
7	GE	Generic Elective	3	0	0	3	60	20	20	0	0	100
			21	2	6	26	420	140	140	60	40	800

**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	
MCA311	Cloud Computing
MCA321	Internet of Things
MCA331	Distributed Systems

Elective-II	
MCA312	Data Mining and Warehousing
MCA322	Cryptography and Information Security
MCA332	Big Data Analytics

**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