

# VIVEKANAND COLLEGE, KOLHAPUR

(Empowered Autonomous)

## Department of MCA (Master of Computer Applications)

### Departmental Teaching Evaluation Scheme

#### Two- Years PG Program

Department/Subject Specific Core or Major (DSC)

1. Title: Two Years PG degree in MCA (Master in Computer Application)
2. Year of implementation: academic year 2024-25 onwards
3. Examination pattern: semester wise for Theory and Practical's
4. Structure of program:

Abr. TH-Theory, PR-Practical, ESE- End Semester Examination, CIE-Continuous Internal Examination

Note:	Minimum passing for 70 marks Theory paper	= 28 marks
	Minimum passing for 40 marks Theory paper	= 16 marks
	Minimum passing for 30 marks Internal evaluation	= 12 marks
	Minimum passing for 10 marks Internal evaluation	= 04 marks
	Minimum passing for 50 marks Practical	= 20 marks
	Separate passing for every head- ESE, CIE and Practical	

## MCA-I Semester-I & II

Sr. No.	Course Abbr.	Course code	Course Name	Teaching Scheme Hours/week		Examination Scheme and Marks				Course Credits
				TH	PR	ESE	CIE	PR	Marks	
<b>Semester-I</b>										
1	DSC-I	DSC36DST11	Data Structure using C++	4	-	70	30	-	100	4
2	DSC-II	DSC36DBM11	Database Management System	4	-	70	30	-	100	4
3	DSC-III	DSC36CNW11	Computer Networks	4	-	70	30	-	100	4
4	DSC-IV	DSC36OSA11	Advance Operating System	4	-	70	30	-	100	4
5	DSC-V	DSC36CYS11	Cyber Security	2	-	40	10	-	50	2
6	DSC-PR-I	DSC36PRA19	DSC Computer Lab-1A		4			50	50	2
7	DSC-PR-II	DSC36PRB19	DSC Computer Lab-1B		4			50	50	2
<b>Total (Semester-I)</b>				<b>18</b>	<b>08</b>	<b>320</b>	<b>130</b>	<b>100</b>	<b>550</b>	<b>22</b>
<b>Semester-II</b>										
1	DSC-VI	DSC36OOP21	Object Oriented Programming with Python	4	-	70	30	-	100	4
2	DSC-VII	DSC36WEB21	Advance Web Technology	4	-	70	30	-	100	4
3	DSC-VIII	DSC36DMW21	Data mining and Data warehousing	4	-	70	30	-	100	4
4	DSC-IX	DSC36SEG21	Software Engineering	4	-	70	30	-	100	4
5	DSC-X	DSC36CCM21	Cloud Computing	2	-	40	10	-	50	2
10	DSC-PR-III	DSC36PRA29	DSC Computer Lab-2A		4			50	50	2
11	DSC-PR-IV	DSC36PRB29	DSC Computer Lab-2B		4			50	50	2
<b>Total (Semester-II)</b>				<b>18</b>	<b>08</b>	<b>320</b>	<b>130</b>	<b>100</b>	<b>550</b>	<b>22</b>
<b>Cumulative Total (1<sup>st</sup> Year)</b>				<b>36</b>	<b>16</b>	<b>640</b>	<b>260</b>	<b>200</b>	<b>1100</b>	<b>44</b>

## MCA-II Semester-III & IV

Sr. No.	Course Abbr.	Course code	Course Name	Teaching Scheme Hours/week		Examination Scheme and Marks				Course Credits
				TH	PR	ESE	CIE	PR	Marks	
<b>Semester-III</b>										
1	DSC-XI	DSC36JVP31	Advance Java Programming	4	-	70	30	-	100	4
2	DSC-XII	DSC36PHP31	PHP	4	-	70	30	-	100	4
3	DSC-XIII	DSC36ARI31	Artificial Intelligence	4	-	70	30	-	100	4
4	DSC-XIV	DSC36MIS31	Management Information System	4	-	70	30	-	100	4
5	OJT	OJT36MCA31	OJT (2 month industrial training)	-	2	-	50	-	50	2
6	DSC-PR-V	DSC36PRA39	DSC Computer Lab-3A		4			50	50	2
7	DSC-PR-VI	DSC36PRB39	DSC Computer Lab-3B		4			50	50	2
<b>Total (Semester-III)</b>				<b>16</b>	<b>10</b>	<b>280</b>	<b>170</b>	<b>100</b>	<b>550</b>	<b>22</b>
<b>Semester-IV</b>										
1	DSC-XVI	DSC36AND41	Android Programming with Kotlin	4	-	70	30	-	100	4
2	DSC-VII	DSC36ASP41	ASP.NET with C#	4	-	70	30	-	100	4
3	DSC-VIII	DSC36DTS41	Data Science	4	-	70	30	-	100	4
4	DSC-IX	DSC36IOT41	Internet of Things	4	-	70	30	-	100	4
5	RPR	RPR36MCA41	Major Project	-	4	-	100	-	100	2
10	DSC-PR-VII	DSC36PRA29	DSC Computer Lab-4A	-	4			50	50	2
<b>Total (Semester-IV)</b>				<b>16</b>	<b>08</b>	<b>280</b>	<b>220</b>	<b>50</b>	<b>550</b>	<b>22</b>
<b>Cumulative Total (2<sup>nd</sup> Year)</b>				<b>32</b>	<b>18</b>	<b>560</b>	<b>390</b>	<b>150</b>	<b>1100</b>	<b>44</b>