

Vivekanand College, Kolhapur
(An Empowered Autonomous Institute)

Department of Computer Science
Departmental Teaching and Evaluation Scheme

First Year: Semester-I & II (2026-27 onwards as per NEP 3.0)

Sr. No.	Course Abbr.	Course code	Course Name	Teaching Scheme		Examination Scheme and Marks*					Course Credits	
				Hours/week		Theory		Practical		Total		
				TH	PR	SEE	CIE	SEE	CIE	Marks		
Semester-I												
1	DSC-I	3DSC03CSC11	Problem Solving using Computers-I	2	-	30	20			50	2	
2	DSC-II	3DSC03CSC12	Introduction to DBMS-I	2	-	30	20			50	2	
3	DSC-CSC-PR-I	3DSC03CSC19	DSC Computer Sci Lab-1	-	4	-	-	30	20	50	2	
4	OE COS-PR-I	3OEC03COS11	Fundamentals of Computer	-	4	-	-	30	20	50	2	
Semester –I Total				4	8	60	40	60	40	200	8	
Semester-II												
1	DSC -III	3DSC03CSC21	Problem Solving using Computers-II	2	-	30	20			50	2	
2	DSC -IV	3DSC03CSC22	Introduction to DBMS-II	2	-	30	20			50	2	
3	DSC CSC-PR-II	3DSC03CSC29	DSC Computer Sci Lab-2	-	4	-	-	30	20	50	2	
4	OE COS-PR-II	3OEC03COS21	Introduction to Web	-	4	-	-	30	20	50	2	
Semester –II Total				4	8	60	40	60	40	200	8	

Abbreviations: TH-Theory, PR-Practical, PRO- Project, SEE- Semester End Examination,
CIE-Continuous Internal Examination

Passing criteria for B.Sc. I:

- Minimum passing for 20 marks Internal theory and Practical evaluation = 08 marks
- Minimum passing for 30 marks Theory paper /Practical = 12 marks

***Separate passing for each Head – SEE Theory, SEE Practical, CIE Theory and CIE Practical**

Second Year: Semester-III & IV (only in 2026-27 as per NEP 2.1)

Sr. No.	Course Abbr.	Course code	Course Name	Teaching Scheme Hours/week		Examination Scheme and Marks*				Course Credits
				TH	PR	SEE	CIE	PR	Marks	
Semester-III										
Major										
1	DSC-V	2DSC03CSC31	Operating System-I	2	-	40	10	-	50	2
2	DSC-VI	2DSC03CSC32	Object Oriented Programming	2	-	40	10	-	50	2
3	VSC-PR-I	2VSC03CSC39	Java Script Lab-I	-	4	-	-	25	25	2
4	DSC-PR-III	2DSC03CSC39	DSC- Computer Sci Lab-3	-	8	-	-	50	50	4
Minor										
1	MIN-V	2MIN03CSC31	Introduction to Operating System-I	2	-	40	10	-	50	2
2	MIN-VI	2MIN03CSC32	Basics of Object-Oriented Programming	2	-	40	10	-	50	2
3	MIN-PR-III	2MIN03CSC39	MIN- Computer Sci Lab-3	-	4	-	-	25	25	2
Open Elective										
1	OEC COS-PR-III	2OEC03COS31		-	4	-	-	25	25	2
Semester -III Total				8	20	160	40	125	325	18
Semester-IV										
Major										
1	DSC-VII	2DSC03CSC41	Operating System-II	2	-	40	10	-	50	2
2	DSC-VIII	2DSC03CSC42	Algorithm Analysis and Data Structures	2	-	40	10	-	50	2
3	VSC-PR-II	2VSC03CSC49	Java Script Lab-II	-	4	-	-	25	25	2
4	DSC-PR-IV	2DSC03CSC49	DSC- Computer Sci Lab-4	-	8	-	-	50	50	4
Minor										
1	MIN-VII	2MIN03CSC41	Introduction to Operating System-II	2	-	40	10	-	50	2
2	MIN-VIII	2MIN03CSC42	Introduction to Data Structures	2	-	40	10	-	50	2
3	MIN-PR-IV	2MIN03CSC49	MIN- Computer Sci Lab-4	-	4	-	-	25	25	2
Open Elective										
1	OEC COS-PR-IV	2OEC03COS41		-	4	-	-	25	25	2
Semester -IV Total				8	20	160	40	125	325	18

Third Year Semester-V & VI (only in 2026-27 as per NEP 2.0)

Sr. No.	Course Abbr.	Course code	Course Name	Teaching Scheme Hours/week		Examination Scheme and Marks*				Course Credits
				TH	PR	SEE	CIE	PR	Marks	
Semester-V										
1	DSC-IX	2DSC03CSC51	Computer Network	2	-	40	10	-	50	2
2	DSC-X	2DSC03CSC52	Software Engineering	2	-	40	10	-	50	2
3	DSC-XI	2DSC03CSC53	Internet Technologies-I	2	-	40	10	-	50	2
4	DSE-I	2DSE03CSC51	Introduction to Java Programming	2	-	40	10	-	50	2
		2DSE03CSC52	PHP Programming							
5	FP	2FPR03CSC51	Field Project	2	-			50	50	2
6	DSC-PR-V	2DSC03CSC59	DSC Computer Science Lab-5	-	16	-	-	100	100	8
Semester –V Total				10	16	160	40	150	350	18
Semester-VI										
1	DSC-XII	2DSC03CSC61	Advanced Computer Network	2	-	40	10	-	50	2
2	DSC-XIII	2DSC03CSC62	Object Oriented Software Engineering	2	-	40	10	-	50	2
3	DSC-XIV	2DSC03CSC63	Internet Technologies-II	2	-	40	10	-	50	2
4	DSE-II	2DSE03CSC61	Advanced Java Programming	2	-	40	10	-	50	2
		2DSE03CSC62	Advanced PHP Programming							
5	VSC-PR-III	2VSC03CSC69	Introduction to Data Science using Python	-	4	-	-	25	25	2
6	OJT	2OJT03CSC61	On Job Training	2	-			50	50	2
7	DSC-PR-VI	2DSC03CSC69	DSC Computer Science Lab-6	-	16	-	-	100	100	8
Semester –VI Total				10	20	160	40	175	375	20

Passing Criteria for B.Sc.II and III :

Note: Minimum passing for 10 marks Internal evaluation = 04 marks
 Minimum passing for 40 marks Theory paper = 14 marks
 Minimum passing for 25 marks Practical = 09 marks
 Minimum passing for 50 marks Practical = 18 marks
 Minimum passing for 100 marks Practical = 35 marks
 Passing percentage for Democracy, Election and Good Governance (DEGG) and Environmental Studies papers should be 40%

*Separate passing for each Head – SEE Theory, SEE Practical, CIE Theory and CIE Practical

Dr. V. B. Waghmare

Dr. S. S. Ankushrao

Prof.(Dr.) A. S. Kumbhar

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HEAD

DEAN

COORDINATOR

Principal

DEPARTMENT OF COMPUTER SCIENCE, FACULTY OF SCIENCE

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