



SCHOOL of ENGINEERING
& MANAGEMENT
KASABA BAWADA, KOLHAPUR
Approved by AICTE, New Delhi

Constituent Unit of
D. Y. PATIL EDUCATION SOCIETY
(DEEMED TO BE UNIVERSITY), KOLHAPUR
Notification No. F.9-26/2004- U.3 dt. 01-09- 2005 of the GOI
Re-accredited by NAAC with 'A' Grade

“Imparting knowledge with excellence”

BCA-SEM-I -ACADEMIC CYCLE 2024-25

Sr. No.	Course Code	Course Type	Name of the Course	Credits	Evaluation Scheme		Theory			Practical		Total Marks
					Lecture	Practical	ISE	MSE	ESE	Int	EPE	
1	24BCA1L101	DSC	Basics of Computer & IT	3	3	-	20	20	60	-	-	100
2	24BCA1L102	DSC	C Programming	3	3	-	20	20	60	-	-	100
3	24BCA1L103	MDC	Principles of Management	3	3	-	20	20	60	-	-	100
4	24BCA1L104	MDC	Mathematics	3	3	-	20	20	60	-	-	100
5	24BCA1P 105	DSC	LAB on MS Office	2	-	4	-	-	-	20	30	50
6	24BCA1P106	DSC	LAB on C Programming	2	-	4	-	-	-	20	30	50
7	24BCA1L107	VBC	Universal Human Values	2	2	-	50		-	-	-	50
8	24BCA1L108	AEC	Business Communication	2	2	-	50		-	-	-	50
			TOTAL	20	16	8						600



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BCA-SEM-II

Sr. No.	Course Code	Course Type	Name of the Course	Credits	Evaluation Scheme		Theory			Practical		Total Marks
					Lecture	Practical	ISE	MSE	ESE	Int	EPE	
1	24BCA1L201	DSC	Data Structure	3	3	-	20	20	60	-	-	100
2	24BCA1L202	DSC	Database Management Systems	3	3	-	20	20	60	-	-	100
3	24BCA1L203	DSC	Software Engineering	3	3	-	20	20	60	-	-	100
4	24BCA1L204	MDC	Statistics	3	3	-	20	20	60	-	-	100
5	24BCA1P 205	DSC	LAB on Data structure	2	-	4	-	-	-	20	30	50
6	24BCA1P206	DSC	LAB on Database Management Systems	2	-	4	-	-	-	20	30	50
7	24BCA1L207	VBC	Environmental Studies	2	2	-	50	-	-	-	-	50
8	24BCA1L208	AEC	Problem Solving using Python	2	2	-	50	-	-	-	-	50
			TOTAL	20	16	8						600



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BCA-SEM-III

Sr. No.	Course Code	Course Type	Name of the Course	Credits	Evaluation Scheme		Theory			Practical		Total Marks
					Lecture	Practical	ISE	MSE	ESE	Int	EPE	
1	24BCA2L101	DSC	Object Oriented Programming	3	3	-	20	20	60	-	-	100
2	24BCA2L102	DSC	Computer Networks	3	3	-	20	20	60	-	-	100
3	24BCA2L103	DSC	Operating System	3	3	-	20	20	60	-	-	100
4	24BCA2L104	MDC	Human Resource Management	3	3	-	20	20	60	-	-	100
5	24BCA2P105	DSC	LAB on Object Oriented Programming	2	-	4	-	-	-	20	30	50
6	24BCA2P106	DSC	LAB on Linux & Networking	2	-	4	-	-	-	20	30	50
7	24BCA2L107	VBC	Indian Constitution	2	2	-	50	-	-	-	-	50
8	24BCA2L108	SEC	Version Control System	2	1	2	50	-	-	-	-	50
			TOTAL	20	15	10						600



BCA-SEM-IV

Sr. No.	Course Code	Course Type	Name of the Course	Credits	Evaluation Scheme		Theory			Practical		Total Marks
					Lecture	Practical	ISE	MSE	ESE	Int	EPE	
1	24BCA2L201	DSC	Software Testing	3	3	-	20	20	60	-	-	100
2	24BCA2L202	DSC	Core Java	3	3	-	20	20	60	-	-	100
3	24BCA2L203	DSC	Object Oriented Modelling	3	3	-	20	20	60	-	-	100
4	24BCA2L204	MDC	Financial Accounting	3	3	-	20	20	60	-	-	100
5	24BCA2P 205	DSC	LAB on Core Java	2	-	4	-	-	-	20	30	50
6	24BCA2P206	DSC	LAB on Web Design-I	2	-	4	-	-	-	20	30	50
7	24BCA2L207	SEC	Cyber Security (ODL)	2	2	-	50	-	-	-	-	50
8	24BCA2L208	SEC	CI/CD Automation	2	1	2	50	-	-	-	-	50
			TOTAL	20	15	10						600



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BCA-SEM-V

Sr. No.	Course Code	Course Type	Name of the Course	Credits	Evaluation Scheme		Theory			Practical		Total Marks
					Lecture	Practical	ISE	MSE	ESE	Int	EPE	
1	24BCA3L101	DSC	Artificial Intelligence	3	3	-	20	20	60	-	-	100
2	24BCA3L102	DSC	Advanced Java	3	3	-	20	20	60	-	-	100
3	24BCA3L103	MDC	Entrepreneurship Development	3	3	-	20	20	60	-	-	100
4	24BCA3L104	DSE	Elective-I	3	3	-	20	20	60	-	-	100
5	24BCA3P 105	DSC	Node JS	2	-	4	-	-	-	20	30	50
6	24BCA3P106	DSC	Lab on Advanced Java	2	-	4	-	-	-	20	30	50
7	24BCA3L107	AEC	Foreign Language	2	2	-	50	-	-	-	-	50
8	24BCA3P108	DSC	Minor Project-I	2	-	4	-	-	-	20	30	50
			TOTAL	20	14	12						600



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BCA-SEM-VI

Sr. No.	Course Code	Course Type	Name of the Course	Credits	Evaluation Scheme		Theory			Practical		Total Marks
					Lecture	Practical	ISE	MSE	ESE	Int.	EPE	
1	24BCA3L201	DSC	Data Science	3	3	-	20	20	60	-	-	100
2	24BCA3L202	DSC	DOT NET Programming using C#	3	3	-	20	20	60	-	-	100
3	24BCA3L203	DSE	Elective-II	3	3	-	20	20	60	-	-	100
4	24BCA3L204	MDC	Operations Research	3			20	20	60			100
5	24BCA3P 205	DSC	Lab on Data Science	2	-	4	-	-	-	20	30	50
6	24BCA3P206	DSC	Lab on DOT NET Programming using C#	2	-	4	-	-	-	20	30	50
7	24BCA3L207	AEC	Digital Marketing(ODL)	2	2	-	50	-	-	-	-	50
8	24BCA3P208	DSC	Minor Project-II	2	-	4	-	-	-	20	30	50
			TOTAL	20	11	12						600



BCA--SEM-VII -(Honors)

Sr. No.	Course Code	Course Type	Name of the Course	Credits	Evaluation Scheme		Theory			Practical		Total Marks
					Lecture	Practical	ISE	MSE	ESE	Int	EPE	
1	24BCA4L101	DSC	Cloud Computing	3	3	-	20	20	60	-	-	100
2	24BCA4L102	DSC	Mobile Application Development I	3	3	-	20	20	60	-	-	100
3	24BCA4L103	DSC	Internet of Things	3	3	-	20	20	60	-	-	100
4	24BCA4L104	DSC	Object Oriented Analysis and Design	3	3	-	20	20	60	-	-	100
5	24BCA4L105	MDC	Research Methodology	3	3		20	20	60	-	-	100
6	24BCA4P106	DSC	LAB on IOT	2	-	4	-	-	-	20	30	50
7	24BCA4P107	DSC	LAB on Mobile Application Development	2	2	4			-	20	30	50
8	24BCA4L108	SEC	Social Media Management	1	1	-	20	30	-	-	-	50
			TOTAL	20	18	8						650



BCA-A.Y. 2027-28-SEM-VIII(Honors)

Sr. No.	Course Code	Course Type	Name of the Course	Credits	Evaluation Scheme			Theory			Practical		Total Marks
					Lecture	Practical	ISE	MSE	ESE	Int	EPE		
1	24BCA4L201	DSC	Artificial Intelligence	3	3	-	20	20	60	-	-	100	
2	24BCA4L202	DSC	Mobile Application Development II	3	3	-	20	20	60	-	-	100	
3	24BCA4L203	DSC	Block chain Technology	3	3	-	20	20	60	-	-	100	
4	24BCA4L204	MDC	Computerized Optimization Methods	3	3	-	20	20	60	-	-	100	
5	24BCA4P205	DSC	Project	2	-	4	-	-	-	20	30	50	
6	24BCA4P206	DSC	Lab on AI	2	-	4	-	-	-	20	30	50	
7	24BCA4P207	VBC	Professional Ethics	2	2	-	-	-	-	20	30	50	
8	24BCA4L208	AEC	IPR	2	2	-	20	30	-	-	-	50	
9	24BCA4L209	SEC	MERN	2	2	-	20	30	-	-	-	50	
			TOTAL	22	18	8						650	

Details of Elective Courses-BCA

Sr.No.	Heading	Elective -I	Elective -II
1	Data Analysis	Data Analysis using Excel	Data Analysis using R Programming
2	Full stack development	Full Stack development-MEAN	Full Stack development-MERN
3	Information System	E-Commerce	Knowledge Management
4	Data Mining	Introduction to Data Mining	Web Mining