

Tilak Maharashtra Vidyapeeth
Department of Computer Science
BCA course structure 2024-25

Bachelor of Computer Application (BCA) - (044) (2024-25)											
Subject Code	Subject Name	Category	Total Credits	Semester	EXT Marks	INT Marks	Tot. Marks	Credit Th	Pr	Total Credits	
BCA23-101	C Programming	Core	3	First	60	40	100	3	-	20	
BCA23-102	Mathematics	Core	4		60	40	100	4	-		
BCA23-103	Computer & Network Fundamentals	Interdisciplinary	3		60	40	100	3	-		
BCA23-104	Operating System	DSC	3		60	40	100	3	-		
BCA23-105 OR BCA23-106	English OR Sanskrit	AECC	2		30	20	50	2	-		
VAC105 OR VAC109	Nitishataka Purvardha (Marathi) OR Gender Perspectives	Open Elective	2		-	50	50	2	-		
BCA23-107	Logic Development	DSC	2		-	50	50	2	-		
BCA23-108	C Programming (PR)	Core-LAB	1		30	20	50	-	1		
			20			600					
BCA23-201	Object Oriented Programming using C++	Core	3	Second	60	40	100	3	-	20	
BCA23-202	Statistics	Core	4		60	40	100	4	-		
BCA23-203	Structured System Analysis and Design	DSC	3		60	40	100	3	-		
BCA23-204	Principles and Practices of Management - I	Multidisciplinary	3		60	40	100	3	-		
BCA23-205	Communication Skills	AECC	2		30	20	50	2	-		
BCA23-206 OR VAC207 OR VAC211	Yoga OR Nitishataka Uttarardha (Marathi) OR Moral Values	Open Elective	2		30	20	50	-	2		
IKS24	Indian Knowledge System (IKS)	IKS	2		-	50	50	2	-		
BCA23-209	Object Oriented Programming using C++ (PR)	Core-Lab	1		30	20	50	-	1		
			20			600					

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BCA23-301	Advanced Web Designing	Core	3	Third	60	40	100	3	-	20
BCA23-302	Database Management System (DBMS)	Core	3		60	40	100	3	-	
BCA23-303	Environmental Studies	Value Added Course	4		60	40	100	4	-	
BCA23-304	Principles and Practices of Management - II	Multidisciplinary	3		60	40	100	3	-	
BCA23-305 OR BCA23-306	Marathi OR Japanese	AECC	2		30	20	50	2	-	
SEC301	Advanced Excel	Skill Enhancement Course	2		-	50	50	2	-	
BCA23-307	Introduction to IoT	DSC	2		-	50	50	2	-	
BCA23-308	Advanced Web Designing (PR)	Core-Lab	1		30	20	50	-	1	
			20			600				
BCA23-401	Advanced Database Management System	Core	3	Fourth	60	40	100	3	-	20
BCA23-402	Java Programming	Core	3		60	40	100	3	-	
BCA23-403	Software Testing & Quality Assurance	DSC	3		60	40	100	3	-	
BCA23-404	Unified Modeling Language(UML)	DSC	3		60	40	100	3	-	
BCA23-405	Content Writing	Skill Enhancement Course	2		30	20	50	2	-	
BCA23-406 OR VAC403	Soft Skills OR Personality Development	Open Elective	2		-	50	50	1	1	
VAC408	Fundamentals of Share Trading	Value Added Course	2		-	50	50	2	-	
BCA23-408	Java Programming (PR)	Core-LAB	1		30	20	50	-	1	
BCA23-409	Advanced Database Management System (PR)	Core-LAB	1		30	20	50	-	1	
			20			650				

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BCA23-501	Python Programming	Core	3	Fifth	60	40	100	3	-	20
BCA23-502	Linux	Core	3		60	40	100	3	-	
BCA23-503	C# Basics	DSC	2		-	50	50	2	-	
BCA23-504	E-Commerce	Interdisciplinary	3		60	40	100	3	-	
BCA23-505	Data Mining	DSC	2		-	50	50	2	-	
BCA23-506	Business Applications	Interdisciplinary	2		30	20	50	2	-	
BCA23-507	Management Information System	Multidisciplinary	3		60	40	100	3	-	
BCA23-508	Python Programming (PR)	Core-LAB	1		30	20	50	-	1	
BCA23-509	Linux (PR)	Core-LAB	1		30	20	50	-	1	
			20			650				
BCA23-601	Advanced Java	Core	3	Sixth	60	40	100	3	-	20
BCA23-602	Android Application Development									
BCA23-603	Cloud Technology	DSC	3		60	40	100	3	-	
BCA23-604	Project	Core	4		60	40	100	-	4	
BCA23-605	Organizational Behavior	Interdisciplinary	2		30	20	50	2	-	
SEC401	Digital Marketing	Skill Enhancement Course	2		-	50	50	2	-	
BCA23-606	Internship	Internship	4		-	100	100	-	4	
BCA23-607	Advanced Java (PR)	Core-LAB	1		30	20	50	-	1	
BCA23-608	Android Application Development (PR)									
BCA23-609	Cloud Technology (PR)	DSC-LAB	1	30	20	50	-	1		
			20			600	Total Credit	120		