

Tilak Maharashtra Vidyapeeth
Department of Computer Science
B.Sc. Computer Applications (750) course structure 2024-25

B.Sc. Computer Applications (750) (2024-25)										
Subject Code	Subject Name	Category	Total Credits	Semester	EXT Marks	INT Marks	Tot. Marks	Credit Th	Pr	Total Credits
BSC24-101	C Programming	Core	3	First	60	40	100	3	-	20
BSC24-102	Mathematics	Core	4		60	40	100	4	-	
BSC24-103	Computer & Network Fundamentals	Interdisciplinary	3		60	40	100	3	-	
BSC24-104	Operating System	DSC	3		60	40	100	3	-	
BSC24-105 OR BSC24-106	English OR Sanskrit	AECC	2		30	20	50	2	-	
VAC105 OR VAC109	Nitishataka Purvardha (Marathi) OR Gender Perspectives	Open Elective	2		-	50	50	2	-	
BSC24-107	Logic Development	DSC	2		-	50	50	2	-	
BSC24-108	C Programming (PR)	Core-LAB	1		30	20	50	-	1	
			20				600			
BSC24-201	Object Oriented Programming using C++	Core	3	Second	60	40	100	3	-	20
BSC24-202	Statistics	Core	4		60	40	100	4	-	
BSC24-203	Structured System Analysis and Design	DSC	3		60	40	100	3	-	
BSC24-204	Principles and Practices of Management - I	Multidisciplinary	3		60	40	100	3	-	
BSC24-205	Communication Skills	AECC	2		30	20	50	2	-	
BSC24-206 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	-	
BSC24-207	Object Oriented Programming using C++ (PR)	Core-Lab	1		30	20	50	-	1	
			20				600			

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Subject Code	Subject Name	Category	Total Credits	Semester	EXT Marks	INT Marks	Tot. Marks	Credit Th	Pr	Total Credits
BSC24-301	Advanced Web Designing	Core	3	Third	60	40	100	3	-	20
BSC24-302	Database Management System (DBMS)	Core	3		60	40	100	3	-	
BSC24-303	Environmental Studies	Value Added Course	4		60	40	100	4	-	
BSC24-304	Principles and Practices of Management - II	Multidisciplinary	3		60	40	100	3	-	
BSC24-305 OR BSC24-306	Marathi OR Japanese	AECC	2		30	20	50	2	-	
SEC301	Advanced Excel	Skill Enhancement Course	2		-	50	50	2	-	
BSC24-307	Introduction to IoT	DSC	2		-	50	50	2	-	
BSC24-308	Advanced Web Designing (PR)	Core-Lab	1		30	20	50	-	1	
			20			600				
BSC24-401	Advanced Database Management System	Core	3	Fourth	60	40	100	3	-	20
BSC24-402	Java Programming	Core	3		60	40	100	3	-	
BSC24-403	Software Testing & Quality Assurance	DSC	3		60	40	100	3	-	
BSC24-404	Unified Modeling Language(UML)	DSC	3		60	40	100	3	-	
BSC24-405	Content Writing	Skill Enhancement Course	2		30	20	50	2	-	
BSC24-406 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	-	
BSC24-407	Java Programming (PR)	Core-LAB	1		30	20	50	-	1	
BSC24-408	Advanced Database Management System (PR)	Core-LAB	1	30	20	50	-	1		
			20			650				

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BSC24-501	Python Programming	Core	3	Fifth	60	40	100	3	-	20
BSC24-502	Linux	Core	3		60	40	100	3	-	
BSC24-503	C# Basics	DSC	2		-	50	50	2	-	
BSC24-504	E-Commerce	Interdisciplinary	3		60	40	100	3	-	
BSC24-505	Data Mining	DSC	2		-	50	50	2	-	
BSC24-506	Business Applications	Interdisciplinary	2		30	20	50	2	-	
BSC24-507	Management Information System	Multidisciplinary	3		60	40	100	3	-	
BSC24-508	Python Programming (PR)	Core-LAB	1		30	20	50	-	1	
BSC24-509	Linux (PR)	Core-LAB	1		30	20	50	-	1	
			20			650				
BSC24-601	Advanced Java	Core	3	Sixth	60	40	100	3	-	16
BSC24-602	Android Programming									
BSC24-603	Virtualisation & Cloud Technology	DSC	3		60	40	100	3	-	
BSC24-604	Project	Core	4		60	40	100	-	4	
BSC24-605	Organizational Behavior	Interdisciplinary	2		30	20	50	2	-	
SEC401	Digital Marketing	Skill Enhancement Course	2		-	50	50	2	-	
BSC24-606	Internship	Internship	4		-	100	100	-	4	
BSC24-607	Advanced Java (PR)	Core-LAB	1		30	20	50	-	1	
BSC24-608	Android Programming									
BSC24-609	Virtualisation & Cloud Technology (PR)	DSC-LAB	1	30	20	50	-	1		
			20			600	Total Credit			