

Tilak Maharashtra Vidyapeeth
Department of Computer Science
Master of Computer Applications (MCA) - (572) Course Structure 2024-25

Master of Computer Applications (MCA) - (572)										
Acedemic Year 2024-2025										
Subject Code	Subject Name	Category	Total Credits	Seme ster	EXT Marks	INT Marks	Tot. Marks	Credit Th Pr		Total Credits
MCA24-101	Advanced C programming and Data Structure	Core	3	First	60	40	100	3	-	22
MCA24-102	Green Computing	DSC	3		60	40	100	3	-	
MCA24-103	Discrete Mathematics	Core	3		60	40	100	3	-	
MCA24-104	Advanced Linux & Shell Programming	DSC	3		60	40	100	3	-	
MCA24-105	Software Engineering	DSC	3		60	40	100	3	-	
MCA24-106	Research Methodology	AECC	4		60	40	100	4	-	
MCA24-107	MOOC(C++)	MOOC	1		-	50	50	-	1	
MCA24-108	Advanced C programming and Data Structure (PR)	DSC-LAB	1		30	20	50	-	1	
MCA24-109	Linux & Shell Programming (PR)	DSC-LAB	1		30	20	50	-	1	
			22				750			
MCA24-201	CTIT (Cyber Security + Intro. Block Chain)	Core	3	Second	60	40	100	3	-	22
MCA24-202	Advanced Computer Network	DSC	3		60	40	100	3	-	
MCA24-203	Django Web Framework	DSC	3		60	40	100	3	-	
MCA24-204	Project	Core	4		-	100	100	-	4	
MCA24-205	Internship	Internship	4		-	100	100	-	4	
MCA24-206	MOOC (From Developer to Entrepreneur)	MOOC	3			100	100	3	-	
MCA24-207	MOOC(GITHub) (1 Credit)	MOOC	1		-	50	50		1	
MCA24-208	Django Web Framework (PR)	DSC-LAB	1		30	20	50	-	1	
			22				700			

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MCA24-301	Data Mining & KDD	Core	3	Third	60	40	100	3	-	22
MCA24-302 OR MCA34-303	Data Analytics using Python OR Cloud Computing	DSE	3		60	40	100	3	-	
MCA24-304 OR MCA24-305	Web Application Development using .net OR Full Stack Development	DSE	3		60	40	100	3	-	
MCA24-306	Software Testing and Tools	DSC	3		60	40	100	3	-	
MCA24-307	Cryptography and Network Security	DSC	3		60	40	100	3	-	
MCA24-308	Research Project	Research Project	4		-	100	100	-	4	
MCA24-309 OR MCA24-310	Data Analytics using Python (PR) OR Cloud Computing (PR)	DSE-LAB	1		30	20	50	-	1	
MCA24-311 OR MCA24-312	Web Application Development using .net (PR) OR Full Stack Development (PR)	DSE-LAB	1		30	20	50	-	1	
MCA24-312	Software Testing and Tools	DSC-LAB	1		30	20	50	-	1	
22					750					
MCA24-401	Artificial Intelligence	Core	3	Fourth	60	40	100	3	-	22
MCA24-402	Software Project Management	DSC	4		60	40	100	4	-	
MCA24-403	Research Paper	Research Paper	2		-	50	50	2	-	
MCA24-404	Internship	OJT	6		-	200	200	-	6	
MCA24-405	Research Project	Research Project	6		-	200	200	-	6	
MCA24-406	Artificial intelligence (PR)	Core-Lab	1		30	20	50	-	1	
22				700						

Total Credit: 88