

Faculty of Management (PG Programme)
MCA Programme Batch 2018-21

Trimester I

Trimester	Course Code	Courses	Type of course	No. of Credits	
			(Full credit/ half credit)		
Trimester I	Foundation Courses				
	MCA1001	Fundamental of Computers	Full	3	
	MCA1002	Object Oriented Programming Concepts	Full	3	
	MCA1003	Database management system	Full	3	
	MCA1004	Software Engineering	Full	3	
	MCA1005	Lab on C++ Programming & DBMS	Full	3	
	World Peace Courses (Mandatory)				
	WPC 1	World Peace Course I	Half	2	
	Total Credit:			17	

Trimester II

Trimester	Course Code	Courses	Type of course	No. of Credits	
			(Full credit/ half credit)		
Trimester II	Foundation Courses				
	MCA2001	Data Structure using C++	Full	3	
	MCA2002	Intro to Web Technology	Full	3	
	MCA2003	Operating System	Full	3	
	MCA2004	Lab on Data Structure & Web Technology	Full	3	
	Open Elective Courses (Select any 1)				
	MCA2005	Introduction to Graph Theory and Mathematical Foundation	Full	3	
	MCA2006	Discrete Mathematics	Full	3	
	Total Credit:			15	

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Trimester III

Trimester	Course Code	Courses	Type of course	No. of Credits
			(Full credit/ half credit)	
Trimester III	Professional Core Course			
	MCA3001	Object Oriented Analysis and Design	Full	3
	MCA3002	Algorithmic Design	Full	3
	MCA3003	Core Java	Full	3
	MCA3004	Laboratory on Core JAVA programming	Full	3
	Open Elective Courses (Select any 2)			
	MCA3005	Soft Computing	Full	3
	MCA3006	Optimization Techniques	Full	3
	MCA3007	Design Thinking – I	Full	3
	MCA3008	IBM 400	Full	3
	MCA3009	MAT Lab	Full	3
	MCA3010	Dev Apps	Full	3
	World Peace Courses (Mandatory)			
	WPC 2	World Peace Course II	Half	2
	Total Credit:			

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Trimester IV

Trimester	Course Code	Courses	Type of course	No. of Credits	
			(Full credit/ half credit)		
Trimester IV	Professional Core Course				
	MCA4001	Advance Java	Full	3	
	MCA4002	PHP	Full	3	
	MCA4003	Communication and Networking Concepts	Full	3	
	MCA4004	Laboratory on Advance Java & PHP	Full	3	
	MCA4005	Summer Industry Internship - I	Full	6	
	Open Elective Courses (Select any 1)				
	MCA4006	Mini Project on Databases	Full	3	
	MCA4007	Mini Project on Open Source Technology	Full	3	
	Total Credit:			21	

Trimester V

Trimester	Course Code	Courses	Type of course	No. of Credits	
			(Full credit/ half credit)		
Trimester V	Professional Core Course				
	MCA5001	ASP Dot NET	Full	3	
	MCA5002	Introduction to Data Science	Full	3	
	MCA5003	Mobile Communication	Full	3	
	MCA5004	Laboratory on ASP.NET and No SQL	Full	3	
	Open Elective Courses (Select any 2)				
	MCA5005	Digital Image Processing	Full	3	
	MCA5006	Business Intelligence	Full	3	
	MCA5007	Mini Project on Programming languages	Full	3	
	MCA5008	Mini Project on Open Source Technology	Full	3	
	World Peace Courses (Mandatory)				
	WPC 3	World Peace Course III	Half	2	

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		Total Credit:		20
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Trimester VI

Trimester	Course Code	Courses	Type of course	No. of Credits
			(Full credit/ half credit)	
Trimester VI	Professional Core Course			
	MCA6001	Android Technology	Full	3
	MCA6002	Software Testing and Quality Assurance	Full	3
	MCA-6003	Laboratory on Android Technology	Full	3
	Open Elective Courses (Select any 3)			
	MCA6004	Design Thinking – II	Full	3
	MCA6005	R Programming	Full	3
	MCA6006	Seibel	Full	3
	MCA6007	Oracle Apps	Full	3
	MCA6008	Computer Graphics	Full	3
	MCA6009	Research Methodology	Full	3
	MCA6010	Mini Project on Mobile Application Development	Full	3
	MCA6011	Mini Project on Open Source Technology	Full	3
		Total Credit:		

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Trimester VII

Trimester	Course Code	Courses	Type of course	No. of Credits
			(Full credit/ half credit)	
Trimester VII	Professional Core Course			
	MCA7001	Artificial Intelligence	Full	3
	MCA7002	Cloud Computing	Full	3
	MCA7003	Laboratory on Python programming	Full	3
	MCA7004	Summer Industry Internship - II	Full	6
	Open Elective Courses (Select any 1)			
	MCA7005	Mini Project on Web Development	Full	3
	MCA7006	Mini Project on Open Source Technology	Full	3
	World Peace Courses (Mandatory)			
	WPC 4	World Peace Course IV	Half	2
Total Credit:				20

Trimester VIII

Trimester	Course Code	Courses	Type of course	No. of Credits
			(Full credit/ half credit)	
Trimester VIII	Professional Core Course			
	MCA8001	Internship I	Full	10
	Total Credit:			

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Trimester IX

Trimester	Course Code	Courses	Type of course	No. of Credits
			(Full credit/ half credit)	
Trimester IX	Professional Core Course			
	MCA9001	Internship II	Full	10
	World Peace Courses (Mandatory)			
	WPC 5	World Peace Course V	Half	2
		Total Credit:		12

(Minimum Programme Credits: 153 *(All courses + SIP+ Internship+ WPU courses)

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