

Indus University
Indus Institute of Information and Communication Technology
Department of Computer Science
Masters of Computer Application

INDUS UNIVERSITY, AHMEDABAD												
MCA SEMESTER-I SYLLABUS W.E.F. YEAR 2021-22												
Sr. No.	Sub. Code	Name of the subject	CREDIT	Teaching scheme (per week)				Examination Scheme				Total Marks
								Theory		Practical		
				CIE	End Sem	CIE	End Sem	Th.	Th.	Pr.	Pr.	
1	MCA-107	Introduction to Python	6	4	0	4	8	60	40	60	40	200
2	MCA-108	PHP with Framework (CMS / E-commerce)	6	4	0	4	8	60	40	60	40	200
3	MCA-109	Object Oriented Analysis & Design	4	4	0	0	4	60	40	0	0	100
4	MCA-110	Software Testing and Quality Assurance	4	4	0	0	4	60	40	0	0	100
5	MCA-111	MOOC Certification	2	0	0	4	4	0	0	60	40	100
6	MCA-112	Case Study on STQA	2	0	0	4	4	0	0	60	40	100
TOTAL			24	16	0	16	32	240	160	240	160	800

INDUS UNIVERSITY, AHMEDABAD												
MCA SEMESTER-II SYLLABUS W.E.F. YEAR 2021-22												
Sr. No.	Sub. Code	Name of the subject	CREDIT	Teaching scheme (per week)				Examination Scheme				Total Marks
								Theory		Practical		
				CIE	End Sem	CIE	End Sem	Th.	Th.	Pr.	Pr.	
1	MCA-208	Object Oriented Technology	6	4	0	4	8	60	40	60	40	200
2	MCA-209	Big Data & Data Analytics	6	4	0	4	8	60	40	60	40	200
3	MCA-210	Mobile Application Development with Android	6	4	0	0	4	60	40	0	0	100
4	MCA-211	Advance Networking	4	4	0	4	8	60	40	60	40	200
5	MCA-212	Case Study on Advanced Networking	2	0	0	4	4	0	0	60	40	100
TOTAL			24	16	0	16	32	240	160	240	160	800

INDUS UNIVERSITY, AHMEDABAD												
MCA SEMESTER-III SYLLABUS W.E.F. YEAR 2021-22												
Sr. No.	Sub. Code	Name of the subject	CREDIT	Teaching scheme (per week)				Examination Scheme				Total Marks
								Theory		Practical		
				CIE	End Sem	CIE	End Sem					
Th.	Tut.	Pr.	Total (hr.)	Th.	Th.	Pr.	Pr.					
1	MCA-317	Cryptography & Network and Security	06	4	0	4	8	60	40	60	40	200
2	MCA-318	Web Development Tools	06	4	0	4	8	60	40	60	40	200
3	MCA-319	Virtualization & Applications of Cloud	04	4	0	0	4	60	40	0	0	100
4		Elective	04	4	0	0	4	60	40	0	0	100
5	MCA-321	Mini Project	04	0	0	8	8	0	0	60	40	100
		TOTAL	24	16	0	16	32	240	160	180	120	700

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MCA SEMESTER-IV SYLLABUS W.E.F. YEAR 2021-22												
Sr. No.	Sub. Code	Name of the subject	CREDIT	Teaching scheme (per week)				Examination Scheme				Total Marks
								Theory		Practical		
				CIE	End Sem	CIE	End Sem					
Th.	Tut.	Pr.	Total (hr.)	Th.	Th.	Pr.	Pr.					
1	MCA-413	Software Development Project	24	0	0	0	0	0	0	700	100	600
		TOTAL	24	0	0	0	0	0	0	700	100	600