



Dr Sagar Mal Juniwal's
APEX UNIVERSITY[®]
JAIPUR



FACULTY OF COMPUTER APPLICATIONS
Department of Computer Science & IT
Teaching Scheme Session 2023 - 2024

Program Name: Master in Computer Application

Course: MCA

YEAR/SEMESTER: I/I (Bridge Course)

S. No.	Subject Code	Subject Title	Credit
		Theory Papers	
1	CA201107	Fundamentals of Computer Science	-
2	CA201108	Mathematics	-
Practical Papers			
1	CA201124	C Programming Lab	-



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S. No.	Subject Code	Subject Title	Credit
		Theory Papers	
1	CA201101	Mathematics	3
2	CA201102	Programming with C and C++	3
3	CA201103	Modern Operating System	3
4	CA201104	Computer Organization & Architecture	3
5	CA201105	Database Design Concepts	3
6	CA201106	Web Technologies	3
Practical Papers			
1	CA201121	Programming Lab	1
2	CA201122	Database Lab	1
3	CA201123	Web Technologies Lab	1
4	SODECA	Social Outreach, Discipline & Extra Curricular Activities	1



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S. No.	Subject Code	Subject Title	Credit
		Theory Papers	
1	CA201201	Programming in Java	3
2	CA201202	Computer Networks	3
3	CA201203	Data Structure and Algorithms	3
4	CA201204	Software Engineering & UML	3
5	CA201205	Python Programming	3
6	CA201206	Cloud Computing	3
Practical Papers			
1	CA201221	Data Structures Lab	1
2	CA201222	Java Lab	1
3	CA201223	Python Programming Lab	1
5	SODECA	Social Outreach, Discipline & Extra Curricular Activities	1



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S. No.	Subject Code	Subject Title	Credit
		Theory Papers	
1	CA201301	Full Stack - I (MongoDB) / Data Science - I (Data Analytics and Visualization)	3
2	CA201302	Full Stack - II (Angular JS) / Data Science - II (Machine Learning)	3
3	CA201303	Full Stack - III (NODE JS) / Data Science - III (AI & Deep Learning)	3
4	CA201304	Full Stack - IV (Express & API) / Data Science - IV (Neural Network)	3
5	CA201305	Android Application Development	3
6	CA201306	Information Security	3
7	HA101451	Professional English- II	2
Practical Papers			
1	CA201321	FS - I / DS - I Lab	2
2	CA201322	FS - II / DS - II Lab	1
3	CA201323	Android Application Development Lab	2
4	SODECA	Social Outreach, Discipline & Extra Curricular Activities	1



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S. No.	Subject Code	Subject Title	Credit
		Theory Papers	
1	CA201401	Software Project Management	3
2	CA201401	Analysis And Design Of Algorithm	3
Practical Papers			
1	CA201421	Industrial Project	5
2		ADA Lab	1
3	SODECA	Social Outreach, Discipline & Extra Curricular Activities	1