Jaypee University, Anoopshahr

Master of Computer Applications (MCA)
Course Curriculum

(Applicable to batches admitted in 2024)

Faculty of Engineering and Technology
July 2024

MCA -2024-26 Batch
As per UGC NCrF April 2023 and updated UGC Guidelines
June 2024

MCA -2024-26 Batch

First Semester

Sr.No	Category	Code	Name	L	T	P	Total	Credit	Course Type univ.
			Course			**Contact Hours**			
1	Core	24M11CA111	Desktop Application Development with Python	3	0	0	3	3	Core
2	Core	24M11CA112	Database Management Systems	3	0	0	3	3	Core
3	Core	24M11MA113	Business Statistics with Excel	2	0	0	2	2	Core
4	Core	24M11CA114	Discrete Structures	3	0	0	3	3	Core
5	Core	24M11CA115	Computer Organisation and Architecture	3	0	0	3	3	Core
6	Core	24M11BA118	Professional Communication-I	3	0	0	3	3	Core
7	Core	24M17CA181	Python Lab	0	0	4	4	2	Core
8	Core	24M17CA182	DBMS Lab	0	0	2	2	1	Core
9	Core	24M17MA183	Excel Lab	0	0	2	2	1	Core
			Total				**25**	**21**	

Second Semester

Sr.No	Category	Code	Name	L	T	P	Total	Credit	Course Type Univ
			Course			**Contact Hours**			
1	Core	24M11CA211	Object Oriented Programming with Java	2	0	0	2	2	Core
2	Core	24M11CA212	Data Structures and Algorithms	3	0	0	3	3	Core
3	Core	24M11CA213	Machine Learning	3	0	0	3	3	Core
4	Core	24M11CA214	Operating Systems	2	0	0	2	2	Core
5	Core	24M11CA215	Web and Mobile Application Development	3	0	0	3	3	Core
6	Core	24M11BA217	Professional Communication-II	3	0	0	3	3	Core
7	Core	24M17CA281	Object Oriented Programming Lab	0	0	2	2	1	Core
8	Core	24M17CA282	Data Structures and Algorithms Lab	0	0	2	2	1	Core
9	Core	24M17CA283	Machine Learning Lab	0	0	2	2	1	Core
10	Core	24M17CA284	Operating Systems Lab	0	0	2	2	1	Core
11	Core	24M17CA285	Web and Mobile Application Development Lab	0	0	4	4	2	Core
			Total				**28**	**22**	

Third Semester

Sr.No	Category	Code	Name	L	T	P	Total	Credit	Course Type Univ.
			Course		**Contact Hours**				**Course Type Univ.**
		Code	Name	L	T	P	Total	Credit	
1	Core	24M11CA311	Computer Networks and IOT	3	0	0	3	3	Core
2	Core	24M11CA312	Software Engineering	2	0	0	2	2	Core
3	Core	24M11CA313	Full Stack Development	3	0	0	3	3	Core
4	Elective	XXX	Elective-I	3	0	0	3	3	Elective
5	Elective	XXX	Elective-II	3	0	0	3	3	Elective
6	Elective	XXX	Elective-III	3	0	0	3	3	Elective
7	Core	24M19CA391	Minor Project	0	0	0	0	2	Core
8	Core	24M17CA382	Computer Networks and IOT Lab	0	0	2	2	1	Core
9	Core	24M17CA383	Full Stack Development Lab	0	0	2	2	1	Core
			Total				**21**	**21**	

Fourth Semester

Sr.No	Category	Code	Name	L	T	P	Total	Credit	Course Type Univ.
			Course		**Contact Hours**				**Course Type Univ.**
		Code	Name	L	T	P	Total	Credit	
1	Core	24M11BA412	Entrepreneurship and Innovation	3	0	0	3	3	Core
2	Elective	XXX	Elective-IV	3	0	0	3	3	Elective
3	Elective	XXX	Elective-V	3	0	0	3	3	Elective
4	**Core**	24M19CA491	Project	0	0	20	20	10	**Core**
			Total				**29**	**19**	

Total Credit -83 + Summer Internship (24M19CA291)-6 = 89

Faculty   Faculty Incharge   COE   Assoc. Dean (A)   Dep.Registrar   Vice-Chancellor