

Galgotias University

School of Computer Applications and Technology

Curriculum 2024-26

MCA IOP Computer Networking & Cyber Security

		Credits				
SEM	MCA	I	II	III	IV	TOTAL
	MCA	20	22	22	20	84
	MCA IOP	20	25	25	20	90

Semester 1

	Name of the Course	L	T	P	S	C	H
SNo.							
1	Problem Solving	3	0	1	0	4	5
2	Computational M	3	0	0	0	3	3
3	Database Manag	3	0	1	0	4	5
4	Digital Compute	3	0	0	0	3	3
6	English Proficien	0	0	2	0	2	4
5	Introduction to I	3	0	1	0	4	5
	Project	0	0	0	0		0
Total Credits (MCA & MCA IOP)						20	25

Semester II

	Name of the Course	L	T	P	S	C	H
1	Object Oriented	3	0	1	0	4	5
2	Machine Learnin	3	0	1	1	5	8
3	Data Structures	3	0	1	0	4	5
4	Verbal and Quan	0	0	2	0	2	4
5	Data Communica	2	0	0	0	2	2
6	Operating System	2	0	0	0	2	2
7	Elective-I					3	3

	Total Credits (MCA)					22	29
8	Cryptography (S)	3	0	0	0	3	3
	Total Credits (MCA IOP)					25	32

Elective-I for II sem							
SI No	Name of the Course						
		L	T	P	S	C	H
1	Software Engineering	3	0	0	0	3	3
2	Introduction to Cloud Computing	3	0	0	0	3	3
3	Digital Image Processing	3	0	0	0	3	3

Semester III							
	Name of the Course	L	T	P	S	C	H
1	Mobile App Development	3	0	1	0	4	5
2	Design & Analysis of Algorithms	3	0	1	0	4	5
3	Elective-II	3	0	0	0	3	3
4	Elective-III				0	3	3
5	Professional Reading	0	0	2	0	2	4
6	Minor Project	0	0	0	0	2	0
7	Internship	0	0	0	0	4	0
	Total Credits (MCA)					22	20
8	Network Security	2	0	1	0	3	3
	Total Credits (MCA IOP)					25	23

Elective-II for III sem							
Sno	Name of the Course	L	T	P	S	C	H
1	BlockChain	3	0	0	0	3	3
2	BigData	3	0	0	0	3	3
3	Internet of Things	3	0	0	0	3	3

Elective -III for III sem							
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SNo	Name of the Course	L	T	P	S	C	H
1	Advanced Java Programming	2	0	1	0	3	4
2	Web Technology	2	0	1	0	3	4
Semester IV							
Sl No	Name of the Course	L	T	P	S	C	H
1	Major Project	0	0	0	0	20	
Total Credits (MCA & MCA IOP)						20	