Galgotias University
School of Computer Applications and Technology

MCA

	Credis				
SEM	I	II	III	IV	TOTAL
MCA	20	23	24	20	87

Semester 1							
SNo.	Name of the Course	L	T	P	S	C	H
1	Problem Solving and Computer Programming	3	0	1	0	4	5
2	Computational Mathematics and Statistics	3	0	0	0	3	3
3	Database Management System	3	0	1	0	4	5
4	Digital Computer Organization	3	0	0	0	3	3
6	English Proficiency and Aptitude Building	0	0	2	0	2	4
5	Introduction to IT [Bridge Course])	3	0	1	0	4	5
	Total Credits (MCA & MCA IOP)	**15**	**0**	**5**	**0**	**20**	**25**

Semester II							
SNo.	Name of the Course	L	T	P	S	C	H
1	Object Oriented Programming with Java	3	0	1	0	4	5
2	Machine Learning with Python	3	0	1	1	5	8
3	Data Structures	3	0	1	0	4	5
4	Verbal and Quantitative Reasoning	0	0	2	0	2	4
5	Data Communication & Networking	2	0	0	0	2	2
6	Operating Systems	2	0	0	0	2	2
7	Elective-I	3				3	3
8	Training-I	0	0	1	0	1	2
	Total Credits (MCA)	**16**	**0**	**6**	**1**	**23**	**31**

Elective-I for II sem							
SNo.	Name of the Course	L	T	P	S	C	H
1	BlockChain	3	0	0	0	3	3
2	Cognitive Computing and Modeling	3	0	0	0	3	3
3	Internet of Things	3	0	0	0	3	3
4	Data Science with R	2	0	1	0	3	3

Semester III							
SNo.	Name of the Course	L	T	P	S	C	H
1	Mobile App Development	3	0	1	1	5	8
2	Design & Analysis of Algorithm	3	0	1	0	4	5
3	Elective-II	3	0	0	0	3	3
4	Elective-III	2	0	1	0	3	3
5	Professional Readiness	0	0	2	0	2	4
6	Minor Project	0	0	2	0	2	0
7	Internship	0	0	4	0	4	0
8	Training-II	0	0	1	0	1	2
	Total Credits (MCA)	**11**	**0**	**12**	**1**	**24**	**25**

Elective-II for III sem							
SNo.	Name of the Course	L	T	P	S	C	H
1	Software Engineering and Testing	3	0	0	0	3	3
2	Big Data	3	0	0	0	3	3
3	Digital Image Processing	3	0	0	0	3	3

Elective -III for III sem							
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							
SNo.	Name of the Course	L	T	P	S	C	H
1	Major Project	0	0	0	0	20	
	Total Credits (MCA & MCA IOP)					**20**	