Galgotias University
School of Computing Science and Engineering
Curriculum M.Sc 2024-26

Credits		I	II	III	IV	TOTAL		
M.Sc		20	22	22	20	84		

Semester 1							
	Name of the Course						
S.No.		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
5	English Proficiency and Aptitude Building-I	0	0	2	0	2	4
6	Introduction to IT [Bridge Course]	3	0	1	0	4	5
7	Project	0	0	4	0		0
	Total Credits (M.Sc)					**20**	**25**

Semester II							
S.No.	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	2	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 1	3	0	0	0	3	3
	Total Credits (M.Sc)					**22**	**29**

Elective-I for II sem							
Sno	Name of the Course	L	T	P	S	C	H
1	Introduction to Cognitive Computing (Elective)	3	0	0	0	3	3
2	Software Engineering and Testing (Elective)	3	0	0	0	3	3
3	Cloud Computing (Elective)	3	0	0	0	3	3
5	Digital Image Processing (Elective)	3	0	0	0	3	3

Semester III							
S.No.	Name of the Course	L	T	P	S	C	H
1	Mobile App Development	3	0	1	0	4	5
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	0	0	2	0
7	Internship	0	0	0	0	4	0

	Total Credits (M.Sc)	16				22	20

Elective-II for III sem							
Sno	Name of the Course	L	T	P	S	C	H
1	BlockChain (Elective-II)	3	0	0	0	3	3
2	BigData (Elective-II)	3	0	0	0	3	3
3	Network Security and Cryptography (Elective-II)	3	0	0	0	3	3
3	Computer Graphics and Multimedia (Elective-II)	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							
S.No.	Name of the Course	L	T	P	S	C	H
1	Major Project	0	0	0	0	20	0
	Total Credits (M.Sc)					20	