

# Galgotias University

## School of Computer Applications & Technology

### Curriculum

#### M. Sc. Data Science

Semester I						
SN	Name of the Course	L	T	P	S	C
1	Problem Solving and Computer Programming	3	0	1	0	4
2	Computational Mathematics and Statistics	3	0	0	0	3
3	Database Management System	3	0	1	0	4
4	Cloud Computing and Big Data Fundamentals	3	0	0	0	3
5	Programming for Data Science and ML	3	0	1	0	4
Total Credits		15	0	3		18

Semester II						
SN	Name of the Course	L	T	P	S	C
1	Foundations of Machine Learning	3	0	1	0	4
2	Business Analytics Essentials	3	0	1	1	5
3	Data Structures	3	0	1	0	4
4	Data Analytics and Exploration	3	0	1	0	4
5	Internship	0	0	0	0	4
Total Credits		12	0	4		21

Semester III						
SN	Name of the Course	L	T	P	S	C
1	Design & Analysis of Algorithm	3	0	1	0	4
2	Advanced Machine Learning	3	0	1	1	5
3	Deep Learning and Natural Language Processing	3	0	1	0	4
4	Capstone Project	0	0	0	0	5
5	Research and AI Ethics	3	0	0	0	3
Total Credits		12	0	3		21

Semester IV						
SN	Name of the Course	L	T	P	S	C
1	Major Project	0	0	0		20
Total Credits						20

Total Credits						80
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