Galgotias University
School of Computer Applications and Technology

B Sc Cognitive Computing

Semester 1							
S No.	**Name of the Course**	**L**	**T**	**P**	**S**	**C**	**H**
1	Discrete Mathematics	3	0	0	0	3	3
2	Programming for Problem Solving	3	0	1	1	5	8
3	Cognitive Psychology	3	0	0	0	3	3
4	Artificial Intelligence	3	0	1	0	4	5
5	Statistics and Probability	3	0	0	0	3	3
	Total Credits	**15**	**0**	**2**	**1**	**18**	**22**

Semester II							
SN	**Name of the Course**	**L**	**T**	**P**	**S**	**C**	**H**
1	Linear Algebra	3	0	0	0	3	3
2	OOPs using Java	3	0	1	1	5	8
3	Cognitive Behavioural Therapy (CB	3	0	0	0	3	3
4	Machine Learning using Python	3	0	1	1	5	8
5	Operating System	3	0	0	0	3	3
	Total Credits	**15**	**0**	**2**	**2**	**19**	**25**

Semester III							
SN	**Name of the Course**	**L**	**T**	**P**	**S**	**C**	**H**
1	Data Structure	3	0	1	0	4	5
2	Computing	3	0	0	0	3	3
3	Human-Computer Interaction (HCI)	3	0	0	0	3	3
4	DBMS	3	0	1	1	5	8
5	Vocational Elective	3	0	0	0	3	3
	Total Credits	**15**	**0**	**2**	**1**	**18**	**22**

Semester IV							
Sl No	**Name of the Course**	**L**	**T**	**P**	**S**	**C**	**H**
1	Theory of Computation	3	0	0	0	3	3
2	Design and Analysis of Algorithms	3	0	1	1	5	8
3	XR Technologies	3	0	1	0	4	5
4	Advanced Machine Learning	3	0	1	0	4	5
5	Computer Network	3	0	0	0	3	3
	Total Credits	**15**	**0**	**3**	**1**	**19**	**24**

Semester V							
SN	**Name of the Course**	**L**	**T**	**P**	**S**	**C**	**H**
1	AI Ethics	3	0	0	0	3	3
2	Optimization Technique	3	0	1	1	5	8
3	AI Ethics	3	0	1	1	5	8
4	Internet of Things (IoT)	1	0	1	0	2	3

5	Minor Project	0	0	0	0	8	0
	Total Credits	**10**	**0**	**3**	**2**	**23**	**22**
Semester VI							
Sl No	**Name of the Course**	**L**	**T**	**P**	**S**	**C**	**H**
1	Engineering and Generative AI	3	0	0	0	3	3
2	Seminar and Presentation Skills	1	0	1	0	2	3
3	Cloud Computing	3	0	0	0	3	3
4	Capstone Project	0	0	0	0	15	0
	Total Credits	**7**	**0**	**1**	**0**	**23**	**9**