



GALGOTIAS UNIVERSITY



School of Computer Science and Engineering

Program (2026-2027)

**Post Graduate Diploma (PG Diploma) in Data Science
with Artificial Intelligence
(Duration: 1 Year/2 Semesters)**

Proposed Curriculum - PG Diploma in Data Science with Artificial Intelligence

First Semester- PG Diploma in Data Science with Artificial Intelligence)							
Sl.No.	Course Code	Course Title	L	T	P	S	C
1	101	Foundations of Data Science	3	0	0	0	3
2	102	Data Visualization and Analytics	3	0	1	0	4
3	103	Artificial Intelligence and Machine Learning	3	0	1	0	4
4	104	Python Programming	3	0	1	0	4
5	105	Mathematical Foundations of AI	3	0	0	0	3
6	106	Term Project	0	0	1	1	2
Total Credits			20				

Second Semester-PG Diploma in Data Science with Artificial Intelligence							
Sl.No.	Course Code	Course Title	L	T	P	S	C
1	201	Deep Learning Techniques	3	0	1	0	4
2	202	Computer Vision	3	0	0	0	3
3	203	Generative AI and Prompt Engineering	3	0	0	0	3
4	204	Natural Language Processing	3	0	1	0	4
5	205	Elective	3	0	0	0	3
6	206	Capstone Project	0	0	1	2	3
Total Credits			20				
Total Program Credits			40				

List of Electives

S.N.	Course Code	Elective Courses	L	T	P	S	Credits
1	205	Data Exploration and Visualization	3	0	0	0	3
2	205	Big Data Analytics	3	0	0	0	3
3	205	Data Science for Healthcare	3	0	0	0	3
4	205	AI Optimization Techniques	3	0	0	0	3