



SGT UNIVERSITY
SHREE GURU GOBIND SINGH TRICENTENARY UNIVERSITY
(UGC Approved) Gurugram, Delhi-NCR
Budhera, Gurugram-Badli Road, Gurugram (Haryana) – 122505 Ph. : 0124-2278183, 2278184, 2278185

Program Guide

Master of Science (Data Science)
Batch: 2026 – 2027

Department of Mathematics
School of Basic and Applied Sciences
SGT University, Gurugram

Program Structure:-

SEMESTER – I

Course Code	Course Title	Credit Distribution (Hours/Week)				Continuous Assessment
		L	T	P	C	Total
17230101	Research Methodology	2	0	0	2	100
17230102	Professional Communication	2	0	0	2	100
17230103	Programming with Python	3	0	0	3	100
17230104	Programming with Python Lab	0	0	2	1	100
17230105	Fundamental of Data Science	3	0	0	3	100
17230106	Applied Linear Algebra for Machine Learning	3	0	0	3	100
17230107	Probability & Statistics	3	0	0	3	100
17230108	Probability & Statistics Lab	0	0	2	1	100
17230109	Advance Database Management System	3	0	0	3	100

Note – L: Lecture Hour/week, T: Tutorial Hour/week, P: Practical Hour/week, C: Credits

SEMESTER – II

Course Code	Course Title	Credit Distribution (Hours/Week)				Continuous Assessment
		L	T	P	C	Total
17230201	Intellectual Property Rights	2	0	0	2	100
17230202	Critical Reasoning And Systems Thinking	2	0	0	2	100
17230203	Statistical Inference	3	0	0	3	100
17230204	Time Series Forecasting	3	0	0	3	100
17230205	Time Series Forecasting Lab	0	0	2	1	100
17230206	Design & Analysis of Algorithms	3	0	0	3	100
17230207	Graph Analytics and Vector-Based Data Systems	3	0	0	3	100
17230208	Fundamentals of Artificial Intelligence and Machine Learning	3	0	0	3	100
17230209	Fundamentals of Artificial Intelligence and Machine Learning Lab	0	0	2	1	100

Note – L: Lecture Hour/week, T: Tutorial Hour/week, P: Practical Hour/week, C: Credits