



SVKM's Usha Pravin Gandhi College of Arts, Science and Commerce (Autonomous), Mumbai
Master of Science in Artificial Intelligence & Data Science (M.Sc. AI & DS) Program Structure for First Year 2026-2027

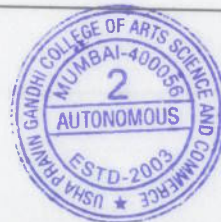


SEMESTER I		SEMESTER II	
MAJOR		MAJOR	
Fundamental concepts of Artificial Intelligence (4)		Deep Learning (4)	
Fundamental concepts of Artificial Intelligence Practical (2)		Deep Learning Practical (2)	
Data Analysis and Visualization (4)		Big data Systems (4)	
Data Analysis and Visualization Practical (2)		Big data Systems Practical (2)	
Linear Algebra (2)		Time Series Analysis and Forecasting Practical (2)	
Human Resource Analytics (2 TH + 2 PR)		Resilient Data Processing Techniques (2 TH+2PR)	
Retail Marketing Analytics (2 TH + 2 PR)		Public Health care Analytics (2 TH +2PR)	
Sports Data Analytics (2 TH +2PR)		Social Media Analytics (2 TH +2PR)	
MINOR		MINOR	
Research Methodology (4)		NIL	
OJT/FP/CC/CEP		OJT/FP/CC/CEP	
NIL		On Job Training (4)	
Total Credits	22	Total Credits	22

Total Number of Credits in M.Sc. AI&DS: 44
 Figure in the brackets represent number of credits.



<p>M.Sc. (Artificial Intelligence & Data Science) USP</p>	<p>The M.Sc. Artificial Intelligence & Data Science program at SVKM's UPG College offers an industry-focused curriculum combining AI, machine learning, and data analytics with hands-on learning through real-world projects and internships. Supported by expert faculty and strong industry exposure, the program also provides dedicated career support, including technical training, mock interviews, and placement opportunities in the evolving AI and data science field.</p>
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SVKM's Usha Pravin Gandhi College of Arts, Commerce & Science

Master of Science (Artificial Intelligence & Data Science) - Course Structure

Master of Science (Artificial Intelligence & Data Science) - Course Structure					
Semester	Major		Minor	OJT/FP/CC/CEP	Total (Credits)
	Mandatory	Electives			
I	Fundamental concepts of Artificial Intelligence (4) Fundamental concepts of Artificial Intelligence Practical (2) Data Analysis and Visualization (4) Data Analysis and Visualization Practical (2) Linear Algebra (2)	Human Resource Analytics 2 TH +2PR (OR) Retail Marketing Analytics 2 TH + 2 PR (OR) Sports Data Analytics 2 TH +2PR	Research Methodology (4)		22
II	Deep Learning (4) Deep Learning Practical (2) Big data Systems (4) Big data Systems Practical (2) Time Series Analysis and Forecasting Practical (2)	Resilient Data Processing Techniques 2 TH+2PR (OR) Public Health care Analytics 2 TH +2PR (OR) Social Media Analytics 2 TH +2PR		OJT (4)	22



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Semester	Major		Minor	OJT/FP/CC/CEP	Total (Credits)
	Mandatory	Electives			
III	Quantum Computing(4) Reinforcement Learning Practical (2) Natural Language Processing(4) Natural Language Processing Practical(2) Robotic Processing Automation (2)	Image and Video Analytics 2TH +2PR (OR) Risk Analytics in Banking and Financial Markets 4PR (OR) Cloud Computing 2TH+2PR		RP (4)	22
IV	Generative AI (4) Generative AI Practical(2) Optimization Methods (4) Optimization Methods Practical (2)	NIL		RP (6)	22



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