
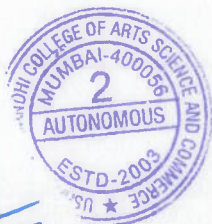
 SVKM's Usha Pravin Gandhi College of Arts, Science and Commerce (Autonomous), Mumbai Bachelor of Artificial Intelligence and Data Science (AI&DS) Program Structure for First Year 2026-2027 			
SEMESTER I		SEMESTER II	
MAJOR		MAJOR	
Programming Logic and Techniques (3)		Statistical Methods (3)	
Fundamentals of Artificial Intelligence (3)		Statistical Methods lab (1)	
		Introduction to Data Science (2)	
MINOR		MINOR	
NIL		Linear Algebra(2)	
OE (Open Elective)(Any 2)		OE (Open Elective)(Any 2)	
Introduction to Economics (2)		Multimedia and Animation I (2)	
Digital Marketing (2)		Business Intelligence (2)	
Principles of Management (2)		Fundamental of Leadership and Team Building (2)	
VSC/SEC (Vocation Specific Course/Skill Enhancement Course)		VSC/SEC (Vocation Specific Course/Skill Enhancement Course)	
Python Programming LAB (1) (VSC)		Prompt Based- Interactive Tool Development (2) (VSC)	
Fundamentals of Artificial Intelligence Lab (1)(VSC)		Applied Computational Statistics (2) (SEC)	
Computer Organization and Structure (2)(SEC)			
AEC/VEC/IKS (Ability Enhancement Course/Value Education Course/Indian Knowledge System)		AEC/VEC/IKS (Ability Enhancement Course/Value Education Course/Indian Knowledge System)	
Communication Skills - I (2) (AEC)		Communication Skills - II (2) (AEC)	
Environmental Science I (2) (VEC)		Environmental Science II (2) (VEC)	
Bhartiya Gyan Parampara (2) (BGP)			
CC (Co-curricular Course)		CC (Co-curricular Course)	
NSS 1/YOGA 1/DLLE 1/SPORTS 1/ Cultural/Health and Wellbeing		NSS 2/Cultural 2/Sports 2/Yoga 2/DLLE 2	
Total Credits	22	Total Credits	22

Total Number of Credits in FYBSc (Artificial Intelligence and Data Science) : 44 and Total Courses: 20
 Figure in the brackets represent number of credits.



BSc (Artificial Intelligence and Data Science)	<p>The Bachelor of Artificial Intelligence and Data Science (AI&DS) program at SVKM's Usha Pravin Gandhi College offers a A future-focused AI & Data Science program integrating Programming, Artificial Intelligence, Data Science, Statistics, and Linear Algebra, enriched with hands-on Python and AI labs, Business Intelligence, and next-gen tools like prompt-based development—designed for real-world impact and career excellence.</p>
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Sure
 09/04/2026

Rashant
 9/4/26

Shri Vile Parle Kelavani Mandal's
USHA PRAVIN GANDHI COLLEGE OF ARTS, SCIENCE AND COMMERCE (AUTONOMOUS)
 NAAC Reaccredited 'A+' Grade, CGPA: 3.27
 NEP Structure: B.Sc(Artificial Intelligence and Data Science) 2026-2029

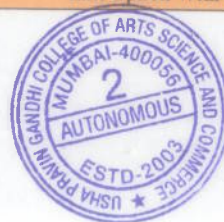
Semester	Major		Minor	Open Elective (Any 2)	VSEC (VSC/SEC)	AEC	VEC	IKS	OJT/FP/CC/CEP/RP	Total (Credits)
	Mandatory	Electives								
I	Programming Logic and Techniques (3) Fundamentals of Artificial Intelligence (3)	Nil	Nil	Introduction to Economics(2) Digital Marketing(2) Principles of Management (2)	Python Programming LAB (1), Fundamentals of Artificial Intelligence LAB (1) Computer Organization and Structure(2)	Communication Skills I (2)	Environmental Science I	Bhartiya Gyan Parampara (IKS) (2)	NSS 1/YOGA 1/DLLE 1/SPORTS 1/ Cultural/Health and Wellbeing	22
II	Statistical Methods (3+1) Introduction to Data Science (2)	Nil	Linear Algebra (2)	Multimedia and Animation I(2) Business Intelligence (2) Fundamental of Leadership and Team Building (2)	Prompt based- interactive tool development (2) Applied Computational Statistics (2)	Communication Skills II (2)	Environmental Science II	NIL	NSS 2/Cultural 2/Sports 2/ Yoga 2/DLLE 2	22
Total	12	0	2	8	8	4	4	2	4	44

Exit option with Certificate (44 credits + 4 skill credits)

Semester	Major		Minor	Open Elective (Any 1)	VSEC (VSC/SEC) (Any 1)	AEC			OJT/FP/CC/CEP/RP	Total (Credits)
	Mandatory	Electives								
III	Machine Learning I (3+1) Database Management system (3+1)	Nil	Story telling with data (2) Calculus (2)	Web Designing(2) Multimedia and Animation -II (2)	Core Java (2)	Hindi I (2) Marathi I (2) Gujarati I (2) Sanskrit I (2)	Nil	Nil	Field Project (2)	22
IV	Big data Systems (3+1) Machine Learning II (3+1)	Nil	Statistical Inference(2) Time Series Analysis (2)	Financial Literacy (2) OR Management Information System (2)	Networking Technologies (2)	Hindi II (2) Marathi II (2) Gujarati II (2) Sanskrit II (2)	Nil	Nil	Community Engagement Project (2)	22
Total	16/28	0	8/10	4/12	4/12	4/8	0/4	0/2	8/12	44/88

Exit Option With Certificate (88 Credits + 4-Skill Credits)

Shree
09/04/2026



Nashant
9/4/26

Semester	Major		Minor	Open Elective (Any 2)	VSEC (VSC/SEC)	AEC, VEC, IKS			OJT/FP/CC/CEP/RP	Total (Credits)
	Mandatory	Electives								
V	Deep Learning (4) Natural Language Processing (4) Project (2)	Image and Video Analytics (4) OR Health Analytics(4)	Data Security and Governance (2) OR Model deployment techniques (2)	Nil	Networking Analytics(2)	Nil	Nil	Nil	Field Project (2)	22
VI	Cloud Computing (4) Generative AI (4) Capstone Project (2)	Marketing Analytics (3+1) Fintech (4)	Web Analytics (2) Sports Analytics(2)	Nil	Nil	Nil	Nil	Nil	RP/ OJT (4)	22
Total	20 // 48	8//8	8//18	0//12	2//14	0//8	0//4	0//2	6//16	88//132

Exit Option With Degree (132 Credits)

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09/04/2026



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9/4/26