

Symbiosis Artificial Intelligence Institute, Pune
Bachelor of Science (Artificial Intelligence) Honours/ Honours with Research
Programme Structure 2025-2029

1.	OBJECTIVE	To develop skilled professionals with a strong foundation in artificial intelligence, computational thinking, and data-driven problem solving. The program aims to foster interdisciplinary application of AI in domains such as healthcare, agriculture, sports, and cybersecurity. It encourages creativity, ethical reasoning, and research aptitude to address real-world challenges through innovative and inclusive AI solutions.				
2.	DURATION (IN MONTHS)	48 (Full Time) With Multiple Entry and Multiple Exit Options				
3.	INTAKE	60				
4.	RESERVATION	I. Within the sanctioned intake	a) SC (In Percentage)	b) ST (In Percentage)	c) Differently abled (In Percentage)	d) Defence (In Percentage)
			15	7.5	3	0
		II. Over and above the sanctioned intake	a) Kashmiri Migrants (In Seats)		b) International Students (In Percentage)	
			2		25	
5.	ELIGIBILITY	Passed Std. XII (10+2) or equivalent examination from any recognized board with a minimum of 50% marks or equivalent grade (45% marks or equivalent grade for SC/ST). Open to students from all streams (Science, Commerce, Arts) who have passed. Students who wish to opt for Honours with Research must earn 7.5 CGPA and above at the end of Semester VI. Eligibility Criteria for multiple entries will be as per University's Lateral Entry Rules for FYUG programmes.				
6.	SELECTION PROCEDURE	Personal Interaction (PI)				
7.	MEDIUM OF INSTRUCTION	English				
8.	PROGRAMME PATTERN	Semester				

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9.	COURSE & SPECIALIZATION	As per Annexure A List of Majors Offered (Choose any one) 1. Health Sciences 2. Sports Sciences 3. Agriculture 4. Data Science 5. Cyber Security List of Minors Offered (Choose any one excluding the one chosen as a Major) 1. Health Sciences 2. Sports Sciences 3. Agriculture 4. Data Science 5. Cyber Security			
10.	FEE		Academic Fee p.a	Institute Deposit	Total
International Students	Indian Students (Amount in INR)		350000	20000	370000
		NRI/ PIO/ OCI Category (Amount in US\$)	6520	275	6795
		Foreign National Category (Amount in US\$)	1300	275	1575

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Note: The exiting students will have to complete the additional 4 credit vocational course for the award of a Certificate/ Diploma by paying additional fees at the time of intimation of the exit. The additional fees of 4 credit vocational course will be informed in due course of time.

11. ASSESSMENT	The courses will have 60% Continuous Assessment and 40% Term End [University] examination however, some courses (not more than 30% of the total programme credits) may have 100% Continuous Assessment.
12. STANDARD OF PASSING	The assessment of the student for each examination is done based on relative performance. Maximum Grade Point (GP) is 10 corresponding to O (outstanding). For all courses, a student is required to pass both Continuous Assessment and Term End examinations separately with a minimum Grade Point of 4 corresponding to Grade P. Students securing less than 40% marks in any head of passing will be declared FAIL. The University awards a Certificate/Diploma/ Degree to the student who has achieved a minimum CGPA of 4 out of a maximum of 10 CGPA for the Programme.
13. AWARD OF CERTIFICATE/DIPLOMA/DEGREE	<p>Certificate in Artificial Intelligence will be awarded at the end of the semester 2 by taking into consideration the performance of all semester examinations after obtaining minimum 4.00 CGPA out of 10 CGPA and the successful completion of the 4 credit Vocational Course in the summer.</p> <p>Diploma in Artificial Intelligence will be awarded at the end of the semester 4 by taking into consideration the performance of all semester examinations after obtaining minimum 4.00 CGPA out of 10 CGPA and the successful completion of the 4 credit Vocational Course in the summer.</p> <p>Bachelor of Science (Artificial Intelligence) with the applicable major and applicable minor will be awarded at the end of the semester 6 examination by taking into consideration the performance of all semester examinations after obtaining minimum 4.00 CGPA out of 10 CGPA.</p> <p>Bachelor of Science (Artificial Intelligence)-Honours with the applicable major and applicable minor will be awarded at the end of the semester 8 examination by taking into consideration the performance of all semester examinations after obtaining minimum 4.00 CGPA out of 10 CGPA.</p> <p>Bachelor of Science (Artificial Intelligence)-Honours with Research with the applicable major and applicable minor will be awarded at the end of the semester 8 examination by taking into consideration the performance of all semester examinations after obtaining minimum 4 CGPA out of 10 CGPA.</p>

14. CLASSIFICATION OF CREDITS												
Semester	Major	Minor	Multi-disciplinary	Ability Enhancement	Skill Enhancement	Common Value Added	Summer Internship	Research Project / Dissertation	No. of Mandatory Non-Credit Course/s	No. of Non-Credit Audit Course/s	Total Credits	
1	12	0	0	3	3	2	0	0	0	As per the student's choice	20	
2	12	0	3	3	3	2	0	0	0		23	
3	12	8	0	0	0	2	0	0	0		22	
4	7	9	3	0	2	0	0	0	1 *		21	
5	14	8	0	0	0	0	0	0	1 *		22	
6	3	0	0	0	0	0	12	0	0		15	
Total	60	25	6	6	8	6	12	0	0		123	
Honours												
7	16	8	0	0	0	0	0	0	0	As per the student's choice	24	
8	16	0	0	0	0	0	0	0	0		16	
Total	92	33	6	6	8	6	12	0	0		163	
Honours with Research												
7	18	4	0	0	0	0	0	0	0	As per the student's choice	22	
8	2	4	0	0	0	0	0	12	0		18	
Total	80	33	6	6	8	6	12	12	0		163	
<p>1. The student/s exiting the Programme after Semester - 2 OR Semester - 4 should complete vocational courses of total 4 credits in the summer to obtain the Certificate/Diploma.</p> <p>2. * Satisfactory completion of non credit courses 'Health and Wellness' and 'Vasudhaiva Kutumbakam' is mandatory for award of degree.</p>												
Additional Note: #Health and Wellness Module I and Module II will be conducted during the semesters mentioned in the programme structure. However, the course will be listed on the students' grade sheets as "Health and Wellness" in the semester in which the institute's course code is officially assigned.												

This Programme Structure is aligned with the norms laid down by the University and is approved by the Academic Council and Executive Council. Hereafter changes (if any) which conform to the policy on "Curriculum Development and Review" would be permissible, subject to revision of the Programme Structure, following the specified processes.

Director - Academics

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Catalog Course Code	Course Code	Course Title	Major/ Minor	Teaching Scheme (Hours Per Week)		Credits	Examination Scheme (Marks)				Total Marks					
				Lectures	Lab		Practical		Theory							
				CA	ESE		CA	ESE	CA	ESE						
Semester : 1																
Discipline-Specific Course/s / Major Course/s																
T3851	0304210101	Foundational Mathematics for AI		4	0	4	0	0	60	40	100					
T3852	0304210102	Introduction to AI		2	0	2	0	0	30	20	50					
T3846	0304210103	Database Management System with SQL		3	2	4	15	10	45	30	100					
T3849	0304210104	Data Preprocessing and Exploratory Data Analysis		0	4	2	30	20	0	0	50					
Total						12	45	30	135	90	300					
Ability Enhancement Course/s																
TM2314	0304210105	Business Communication		3	0	3	0	0	45	30	75					
Total						3	0	0	45	30	75					
Skill Enhancement Course/s																
T3856	0304210106	Python Programming		1	4	3	50	0	25	0	75					
Total						3	50	0	25	0	75					

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							Practical		Theory				
				Lectures	Lab		CA	ESE	CA	ESE			
Common Value Added Course/s													
THM6144	0304210107	Indian Knowledge Systems		2	0	2	0	0	50	0	50		
Total						2	0	0	50	0	50		
Grand Total						20	95	30	255	120	500		
Semester : 2													
Discipline-Specific Course/s / Major Course/s													
T7549	0304210201	Data Structures and Algorithms		3	2	4	15	10	45	30	100		
T3855	0304210202	Machine Learning and Deep Learning		3	2	4	15	10	45	30	100		
TEE7089	0304210203	Basics of Operating Systems		2	0	2	0	0	30	20	50		
T3858	0304210204	Statistics for Data Science		2	0	2	0	0	30	20	50		
Total						12	30	20	150	100	300		
Ability Enhancement Course/s													

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				Lectures	Lab		Practical		Theory			
				CA	ESE		CA	ESE	CA	ESE		
T6755	0304210205	English (Communication Skills)		3	0	3	0	0	75	0	75	
				Total		3	0	0	75	0	75	
Skill Enhancement Course/s												
T3742	0304210206	Data Analytics using MS-Excel		1	4	3	30	20	25	0	75	
				Total		3	30	20	25	0	75	
Common Value Added Course/s												
THM6208	0304210207	Creative and Critical Thinking		2	0	2	0	0	50	0	50	
				Total		2	0	0	50	0	50	
Mandatory Non-Credit Course/s												
TH4788		Health and Wellness Module I #		0	0	0	0	0	0	0	0	
				Total		0	0	0	0	0	0	

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				Lectures	Lab		Practical		Theory							
				CA	ESE		CA	ESE	CA	ESE						
Multi-disciplinary Course/s (Choose Any One Course from the University Basket of Multidisciplinary Courses)																
The list of Multidisciplinary courses offered will be updated every semester. The list will be shared on the MDC Registration Portal before the commencement of each semester, and students may choose a course of their choice. You can download the list on eduwiz portal.																
-	-	MD1		0	0	3	0	0	75	0	75					
Total						3	0	0	75	0	75					
Vocational Course/s (Only for students who wish to exit after the First Year with a Certificate)																
T3847	0304210208	Applied Natural Language Processing		4	0	4	0	0	100	0	100					
Grand Total						23	60	40	375	100	575					
Note: Students exiting at the end of the second semester and earning 43 credits will be awarded a "Certificate in Artificial Intelligence," provided they successfully complete the additional 4 credits of vocational course offered during the summer term.																
Semester : 3																
Discipline-Specific Course/s / Major Course/s																
P5483	0304210301	Natural Language Processing		3	0	3	0	0	45	30	75					

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				Lectures	Lab		Practical		Theory							
				CA	ESE		CA	ESE	CA	ESE						
				Total		3	0	0	45	30	75					
Major Course/s (Choose any one Group)																
Group 1 (Health Sciences)																
P5529	0304210302	Biological foundations and Applications of Artificial Intelligence (AI) in Healthcare	Health Sciences	4	0	4	0	0	60	40	100					
P5530	0304210303	AI in Medical Imaging Analysis	Health Sciences	3	2	4	15	10	45	30	100					
P5531	0304210304	AI in Rehabilitation Sciences	Health Sciences	1	0	1	0	0	25	0	25					
Group 2 (Sports Sciences)																
P5532	0304210305	Data Analytics for Sports	Sports Sciences	3	2	4	15	10	45	30	100					
P5533	0304210306	Sports Biomechanics	Sports Sciences	4	0	4	0	0	60	40	100					
P5534	0304210307	Anatomy and Physiology	Sports Sciences	1	0	1	0	0	25	0	25					
Group 3 (Agriculture)																
P5535	0304210308	Introduction to Agriculture and Finance	Agriculture	3	2	4	15	10	45	30	100					
P5536	0304210309	AI and Precision Agriculture	Agriculture	4	0	4	0	0	60	40	100					
P5537	0304210310	Agri Supply Chain Management	Agriculture	1	0	1	0	0	25	0	25					

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							Practical		Theory				
				Lectures	Lab		CA	ESE	CA	ESE			
Group 4 (Data Science)													
P5539	0304210311	Open Source Tools for Data Science	Data Science	4	0	4	0	0	60	40	100		
TMC5024	0304210312	Data Visualization -1	Data Science	1	0	1	0	0	25	0	25		
P5544	0304210313	Business Analytics	Data Science	3	2	4	15	10	45	30	100		
Group 5 (Cyber Security)													
P5540	0304210314	Cryptography	Cyber Security	3	2	4	15	10	45	30	100		
P5538	0304210315	Introduction to Cybersecurity	Cyber Security	4	0	4	0	0	60	40	100		
P5545	0304210316	Network Security	Cyber Security	1	0	1	0	0	25	0	25		
Total Required Credits						9	15	10	130	70	225		
Minor Course/s (Choose any one group other than the chosen Major)													
Group 1 (Health Sciences)													
P5529	0304210302	Biological foundations and Applications of Artificial Intelligence (AI) in Healthcare	Health Sciences	4	0	4	0	0	60	40	100		
P5530	0304210303	AI in Medical Imaging Analysis	Health Sciences	3	2	4	15	10	45	30	100		
Group 2 (Sports Sciences)													
P5532	0304210305	Data Analytics for Sports	Sports Sciences	3	2	4	15	10	45	30	100		
P5533	0304210306	Sports Biomechanics	Sports Sciences	4	0	4	0	0	60	40	100		

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							Practical		Theory				
				Lectures	Lab		CA	ESE	CA	ESE			
Group 3 (Agriculture)													
P5535	0304210308	Introduction to Agriculture and Finance	Agriculture	3	2	4	15	10	45	30	100		
P5536	0304210309	AI and Precision Agriculture	Agriculture	4	0	4	0	0	60	40	100		
Group 4 (Data Science)													
P5539	0304210311	Open Source Tools for Data Science	Data Science	4	0	4	0	0	60	40	100		
P5544	0304210313	Business Analytics	Data Science	3	2	4	15	10	45	30	100		
Group 5 (Cyber Security)													
P5540	0304210314	Cryptography	Cyber Security	3	2	4	15	10	45	30	100		
P5538	0304210315	Introduction to Cybersecurity	Cyber Security	4	0	4	0	0	60	40	100		
Total Required Credits						8	15	10	105	70	200		
Common Value Added Course/s													
P5542	0304210317	Introduction to Environment and Sustainability		2	0	2	0	0	50	0	50		
Total						2	0	0	50	0	50		
Mandatory Non-Credit Course/s													
TH4789		Health and Wellness Module II #		0	0	0	0	0	0	0	0		

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				Lectures	Lab		Practical		Theory				
				CA	ESE		CA	ESE	CA	ESE			
				Total		0	0	0	0	0	0		
				Grand Total		22	30	20	330	170	550		

Semester : 4

Major Course/s (Choose any one Group)**Group 1 (Health Sciences)**

P5543	0304210401	AI for Disease Diagnosis and Clinical Decision Support System	Health Sciences	3	2	4	15	10	45	30	100
P5546	0304210402	AI for Drug Discovery and Clinical Trials	Health Sciences	3	0	3	0	0	45	30	75

Group 2 (Sports Sciences)

P5547	0304210403	Performance Analysis Using AI	Sports Sciences	3	2	4	15	10	45	30	100
P5548	0304210404	Fan Engagement and Smart Venues	Sports Sciences	3	0	3	0	0	45	30	75

Group 3 (Agriculture)

P5549	0304210405	Image Analytics for Agriculture	Agriculture	3	2	4	15	10	45	30	100
P5550	0304210406	IoT for Smart Irrigation Systems	Agriculture	3	0	3	0	0	45	30	75

Group 4 (Data Science)

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				Lectures	Lab		Practical		Theory			
				CA	ESE		CA	ESE	CA	ESE		
P5551	0304210407	Time Series Analysis and Forecasting	Data Science	3	2	4	15	10	45	30	100	
P5552	0304210408	Big Data: Storage and Analytics	Data Science	3	0	3	0	0	45	30	75	
Group 5 (Cyber Security)												
P5553	0304210409	Ethical Hacking	Cyber Security	3	2	4	15	10	45	30	100	
P5555	0304210410	AI for Cyber Security	Cyber Security	3	0	3	0	0	45	30	75	
Total Required Credits						7	15	10	90	60	175	

Discipline-Specific Course/s / Minor Course/s

T8000	0304210411	Service Learning		0	4	2	50	0	0	0	50
				Total		2	50	0	0	0	50

Minor Course/s (Choose any one group other than the chosen Major)**Group 1 (Health Sciences)**

P5543	0304210401	AI for Disease Diagnosis and Clinical Decision Support System	Health Sciences	3	2	4	15	10	45	30	100
P5546	0304210402	AI for Drug Discovery and Clinical Trials	Health Sciences	3	0	3	0	0	45	30	75

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				Lectures	Lab		Practical		Theory			
				CA	ESE		CA	ESE	CA	ESE		
Group 2 (Sports Sciences)												
P5547	0304210403	Performance Analysis Using AI	Sports Sciences	3	2	4	15	10	45	30	100	
P5548	0304210404	Fan Engagement and Smart Venues	Sports Sciences	3	0	3	0	0	45	30	75	
Group 3 (Agriculture)												
P5549	0304210405	Image Analytics for Agriculture	Agriculture	3	2	4	15	10	45	30	100	
P5550	0304210406	IoT for Smart Irrigation Systems	Agriculture	3	0	3	0	0	45	30	75	
Group 4 (Data Science)												
P5551	0304210407	Time Series Analysis and Forecasting	Data Science	3	2	4	15	10	45	30	100	
P5552	0304210408	Big Data: Storage and Analytics	Data Science	3	0	3	0	0	45	30	75	
Group 5 (Cyber Security)												
P5553	0304210409	Ethical Hacking	Cyber Security	3	2	4	15	10	45	30	100	
P5555	0304210410	AI for Cyber Security	Cyber Security	3	0	3	0	0	45	30	75	
Total Required Credits						7	15	10	90	60	175	
Skill Enhancement Course/s												
TEE7200	0304210412	Cloud Computing Essentials for AI		2	0	2	0	0	50	0	50	
Total						2	0	0	50	0	50	

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				Lectures	Lab		Practical		Theory			
				CA	ESE		CA	ESE	CA	ESE		
Mandatory Non-Credit Course/s												
SMC001	0304210413	Vasudhaiva Kutumbakam *		0	0	0	0	0	0	0	Mandatory Non-Credit Course	
Total				0	0	0	0	0	0	0	0	
Multi-disciplinary Course/s (Choose Any One Course from the University Basket of Multidisciplinary Courses) The list of Multidisciplinary courses offered will be updated every semester. The list will be shared on the MDC Registration Portal before the commencement of each semester, and students may choose a course of their choice. You can download the list on eduwiz portal.												
-	-	MD2		0	0	3	0	0	75	0	75	
Total				3	0	0	75	0	75	0	75	
Vocational Course/s (Only for students who wish to exit after the Second Year with a Diploma)												
P5556	0304210414	LLM Essential		3	2	4	15	10	45	30	100	
Grand Total				21	80	20	305	120	525			

Note: Students exiting at the end of the fourth semester and earning 86 credits will be awarded a "Diploma in Artificial Intelligence," provided they successfully complete the additional 4 credits of vocational courses offered during the summer term.

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							Practical		Theory							
				Lectures	Lab		CA	ESE	CA	ESE						
Semester : 5																
Discipline-Specific Course/s / Major Course/s																
T3802	0304210501	Project		0	4	2	30	20	0	0	50					
Total						2	30	20	0	0	50					
Major Course/s (Choose any one Group)																
Group 1 (Health Sciences)																
P5557	0304210502	HealthTech Entrepreneurship & Innovation	Health Sciences	1	2	2	15	10	15	10	50					
P5558	0304210503	AI for Public Health Surveillance	Health Sciences	1	2	2	15	10	15	10	50					
P5560	0304210504	AI for Mental Health Screening and Monitoring	Health Sciences	1	2	2	15	10	15	10	50					
P5561	0304210505	AI Integration in Robotics	Health Sciences	1	2	2	15	10	15	10	50					
P5562	0304210506	AI in Nutrition & Lifestyle Management	Health Sciences	1	2	2	15	10	15	10	50					
P5563	0304210507	Predictive Analytics and Risk Stratification	Health Sciences	1	2	2	15	10	15	10	50					

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				Lectures	Lab		Practical		Theory			
				CA	ESE		CA	ESE	CA	ESE		
Group 2 (Sports Sciences)												
P5564	0304210508	Content Creation in Sports using AI	Sports Sciences	3	2	4	15	10	45	30	100	
P5565	0304210509	Applications in Sports Business	Sports Sciences	4	0	4	0	0	60	40	100	
P5566	0304210510	AI for Training Personalization	Sports Sciences	4	0	4	0	0	60	40	100	
Group 3 (Agriculture)												
P5567	0304210511	Data Science for Climate Resilience Study	Agriculture	3	2	4	15	10	45	30	100	
P5568	0304210512	Design Thinking for Agribusiness Innovation	Agriculture	4	0	4	0	0	60	40	100	
P5569	0304210513	Post-Harvest Technology and Logistics Optimisation	Agriculture	4	0	4	0	0	60	40	100	
Group 4 (Data Science)												
P5570	0304210514	Computer Vision	Data Science	3	2	4	15	10	45	30	100	
P5571	0304210515	Data Science for FinTech	Data Science	4	0	4	0	0	60	40	100	
P5573	0304210516	Predictive Analytics	Data Science	4	0	4	0	0	60	40	100	
Group 5 (Cyber Security)												
P5574	0304210517	AI in Threat Detection	Cyber Security	3	2	4	15	10	45	30	100	
T3748	0304210518	Data Privacy and Identity Access Control	Cyber Security	4	0	4	0	0	60	40	100	
P5576	0304210519	Digital Forensic	Cyber Security	4	0	4	0	0	60	40	100	

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				Lectures	Lab		Practical		Theory								
				CA	ESE		CA	ESE	CA	ESE							
				Total Required Credits		12	15	10	165	110	300						
Minor Course/s (Choose any one group other than the chosen Major)																	
Group 1 (Health Sciences)																	
P5557	0304210502	HealthTech Entrepreneurship & Innovation	Health Sciences	1	2	2	15	10	15	10	50						
P5558	0304210503	AI for Public Health Surveillance	Health Sciences	1	2	2	15	10	15	10	50						
P5560	0304210504	AI for Mental Health Screening and Monitoring	Health Sciences	1	2	2	15	10	15	10	50						
P5561	0304210505	AI Integration in Robotics	Health Sciences	1	2	2	15	10	15	10	50						
Group 2 (Sports Sciences)																	
P5564	0304210508	Content Creation in Sports using AI	Sports Sciences	3	2	4	15	10	45	30	100						
P5565	0304210509	Applications in Sports Business	Sports Sciences	4	0	4	0	0	60	40	100						
Group 3 (Agriculture)																	
P5567	0304210511	Data Science for Climate Resilience Study	Agriculture	3	2	4	15	10	45	30	100						
P5568	0304210512	Design Thinking for Agribusiness Innovation	Agriculture	4	0	4	0	0	60	40	100						
Group 4 (Data Science)																	

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Catalog Course Code	Course Code	Course Title	Major/ Minor	Teaching Scheme (Hours Per Week)		Credits	Examination Scheme (Marks)				Total Marks	
				Lectures	Lab		Practical		Theory			
				CA	ESE		CA	ESE	CA	ESE		
P5570	0304210514	Computer Vision	Data Science	3	2	4	15	10	45	30	100	
P5571	0304210515	Data Science for FinTech	Data Science	4	0	4	0	0	60	40	100	
Group 5 (Cyber Security)												
P5574	0304210517	AI in Threat Detection	Cyber Security	3	2	4	15	10	45	30	100	
T3748	0304210518	Data Privacy and Identity Access Control	Cyber Security	4	0	4	0	0	60	40	100	
Total Required Credits						8	15	10	105	70	200	

Mandatory Non-Credit Course/s										
SMC003	0304210520	Health and Wellness *		0	0	0	0	0	0	Mandatory Non-Credit Course
Total				0	0	0	0	0	0	0
Grand Total				22	135/60	90/40	195/270	130/180	550	

Semester : 6

Discipline-Specific Course/s / Major Course/s

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Catalog Course Code	Course Code	Course Title	Major/ Minor	Teaching Scheme (Hours Per Week)		Credits	Examination Scheme (Marks)				Total Marks	
				Lectures	Lab		Practical		Theory			
				CA	ESE		CA	ESE	CA	ESE		
T5525	0304210601	Research Methodology		2	0	3	0	0	75	0	75	
Total				3	0	3	0	0	75	0	75	
Summer Internship Course/s												
T3912	0304210602	Internship		0	24	12	180	120	0	0	300	
Total				12	180	120	0	0	0	0	300	
Grand Total				15	180	120	75	00	375			

Note: Students exiting at the end of the sixth semester and earning 123 credits will be awarded a "Bachelor of Science (Artificial Intelligence)" degree. Total Credits at the end of the Third year (Major 60, Minor 25, Multidisciplinary 6, Ability Enhancement Courses 6, Skill Enhancement Courses 8, Summer Internship 12, Common Value-Added Courses 6).

Semester : 7**Honours****Major Course/s**

P5521	0304210701	GEN AI and LLM Essentials		3	2	4	15	10	45	30	100
P5522	0304210702	MLops		3	2	4	15	10	45	30	100
P5578	0304210703	Responsible AI		4	0	4	0	0	60	40	100
P5579	0304210704	Reinforcement Learning		2	0	2	0	0	30	20	50

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Catalog Course Code	Course Code	Course Title	Major/ Minor	Teaching Scheme (Hours Per Week)		Credits	Examination Scheme (Marks)				Total Marks		
				Lectures	Lab		Practical		Theory				
				CA	ESE		CA	ESE	CA	ESE			
F0002	0304210705	Flexi-Credit Course		2	0	2	0	0	50	0	50		
				Total		16	30	20	230	120	400		
Minor Course/s													
P5580	0304210706	NOSQL Databases		3	2	4	15	10	45	30	100		
P5581	0304210707	Recommender Systems		4	0	4	0	0	60	40	100		
				Total		8	15	10	105	70	200		
Honours with Research													
Major Course/s													
P5572	0304210708	Literature Review and Research Synthesis		4	0	4	0	0	60	40	100		
THM6022	0304210709	Scientific Paper Writing		4	0	4	0	0	100	0	100		
THM6021	0304210710	Ethics in Research		4	0	4	0	0	100	0	100		
P5582	0304210711	AI for Research		4	0	4	0	0	100	0	100		
F0002	0304210712	Flexi-Credit Course		2	0	2	0	0	50	0	50		
				Total		18	0	0	410	40	450		
Minor Course/s													
T3804	0304210713	Project		0	8	4	60	40	0	0	100		

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Catalog Course Code	Course Code	Course Title	Major/ Minor	Teaching Scheme (Hours Per Week)		Credits	Examination Scheme (Marks)				Total Marks			
				Lectures	Lab		Practical		Theory					
				CA	ESE		CA	ESE	CA	ESE				
Total				4	60	40	0	0	100					
Grand Total				24/22	45/60	30/40	335/410	190/40	600/550					
Semester : 8														
Honours														
Major Course/s														
P5528	0304210801	Capstone Project		0	24	12	180	120	0	0	300			
T3804	0304210802	Seminar		4	0	4	0	0	60	40	100			
Total				16	180	120	60	40	400					
Honours with Research														
Major Course/s														
P5585	0304210803	Intellectual Property Rights		2	0	2	0	0	30	20	50			
Total				2	0	0	30	20	50					
Minor Course/s														
P5527	0304210804	Advanced Research Methods		4	0	4	0	0	60	40	100			
Total				4	0	0	60	40	100					
Research Project / Dissertation Course/s														

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Annexure A

Catalog Course Code	Course Code	Course Title	Major/ Minor	Teaching Scheme (Hours Per Week)		Credits	Examination Scheme (Marks)				Total Marks	
				Lectures	Lab		Practical		Theory			
				CA	ESE		CA	ESE	CA	ESE		
T3812	0304210805	Research Project		0	24	12	180	120	0	0	300	
Total						12	180	120	0	0	300	
Grand Total						16/18	180	120	60/90	40/60	400/450	

Note: Total Credits at the end of Fourth year for "Bachelor of Science (Artificial Intelligence) - Honours" - 163 (Major 92, Minor 33, Multidisciplinary 6, Ability Enhancement Courses 6, Skill Enhancement Courses 8, Summer Internship 12, Common Value-Added Courses 6).

Total Credits at the end of Fourth year for "Bachelor of Science (Artificial Intelligence) - Honours with Research" - 163 (Major 80, Minor 33, Multidisciplinary 6, Ability Enhancement Courses 6, Skill Enhancement Courses 8, Summer Internship 12, Research Project / Dissertation - 12, Common Value-Added Courses 6).

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Semester	100% Continuous Assessment Credits	Term End (University) Examination Credits	Total Credits	Total Marks
Semester 1	5	15	20	500
Semester 2	8	15	23	575
Semester 3	3	19	22	550
Semester 4	7	14	21	525
Semester 5	0	22	22	550
Semester 6	3	12	15	375
Total	26	97	123	3075
Honours				
Semester 7	2	22	24	600
Semester 8	0	16	16	400
Total	28	135	163	4075
Honours with Research				
Semester 7	14	8	22	550
Semester 8	0	18	18	450
Total	40	123	163	4075