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SYMBIOSIS INTERNATIONAL (DEEMED UNIVERSITY)

(Established under section 3 of the UGC Act, 1956)
Re-accredited by NAAC with 'A++' Grade | Awarded Category – I by UGC
Founder: Prof. Dr. S. B. Mujumdar, M. Sc., Ph. D. (Awarded Padma Bhushan and Padma Shri by President of India)

SIU/ACAD/2026/3787

Date: 15/09/2026

To
The Director
Symbiosis Institute of Computer Studies and Research
Pune.

Reference: SIU letter no **SIU/ACAD/2023/3729 dated 21/07/2023, SIU/ACAD/2023/4376 dated 01/09/2023, SIU/ACAD/2024/956 dated 23/02/2024, SIU/ACAD/2024/4051 dated 01/10/2024, SIU/ACAD/2025/737 dated 20/02/2025, SIU/ACAD/2025/3612 dated 10/09/2025, SIU/ACAD/2025/4102 dated 09/10/2025, SIU/ACAD/2026/240 dated 19/01/2026** regarding of programme structure of batch 2023-2027.

Subject: Approval of the Revised Programme Structure of Bachelor of Computer Applications - Honours/ Honours with Research, batch 2023-27.

Dear Sir/Madam,

Please find attached the revised programme structure of Bachelor of Computer Applications - Honours/ Honours with Research Programme Structure batch 2023-27.

The revised programme structure supersedes the previously approved programme structures referred in the above letter.

Sr. No.	Programme	Revision No.
1	Bachelor of Computer Applications - Honours/ Honours with Research	R08

Thanking you.

Sincerely,

Dr. Asmita Dani
Dean, Academics

Copy to: Controller of Examinations, SIU

Symbiosis Institute of Computer Studies and Research, Pune
Bachelor of Computer Applications - Honours/Honours with Research
Programme Structure 2023-27

<table>
<tr><td>1.</td><td>OBJECTIVE</td><td colspan="5">BCA (Honours) offers the prequalification for professionals heading for smart career in the IT field, which measures up to international standards. On completing this course one can do higher studies in any UGC recognized universities or in any other reputed institution in India or abroad.
BCA (Honours) with specialization will prepare students to progress their career in the software industry, academia, research, entrepreneurial pursuit and other Information technology enabled services in one of the area in Data Science, Artificial Intelligence and Machine Learning, Cloud Computing, and Data security.</td></tr>
<tr><td>2.</td><td>DURATION (IN MONTHS)</td><td colspan="5">48 (Full Time) With Multiple Entry and Multiple Exit Options</td></tr>
<tr><td>3.</td><td>INTAKE</td><td colspan="5">180</td></tr>
<tr><td rowspan="4">4.</td><td rowspan="4">RESERVATION</td><td rowspan="2">I. Within the sanctioned intake</td><td>a) SC (In Percentage)</td><td>b) ST (In Percentage)</td><td>c) Differently abled (In Percentage)</td><td>d) Defence (In Percentage)</td></tr>
<tr><td>15</td><td>7.5</td><td>3</td><td>5</td></tr>
<tr><td rowspan="2">II. Over and above the sanctioned intake</td><td colspan="2">a) Kashmiri Migrants (In Seats)</td><td colspan="2">b) International Students (In Percentage)</td></tr>
<tr><td colspan="2">2</td><td colspan="2">20</td></tr>
<tr><td>5.</td><td>ELIGIBILITY</td><td colspan="5">Passed Standard XII (10+2) or equivalent government approved Diploma in Engineering/ Technology from any recognised Board with a minimum of 50% marks or equivalent grade (45% marks or equivalent grade for Scheduled Caste/ Scheduled Tribes).

Students who wish to opt for Honours with Research must earn 7.5 CGPA and above at the end of Semester-6

Eligibility Criteria for the Multiple entries would be as per University's Lateral Entry Rules for FYUG Programmes</td></tr>
</table>

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6.	**SELECTION PROCEDURE**	Symbiosis Entrance Test, Personal Interaction and Writing Ability Test (PI-WAT). Selection Procedure for the Multiple Entry would be as per the University's Lateral Entry Rules for FYUG Programmes				
7.	**MEDIUM OF INSTRUCTION**	English				
8.	**PROGRAMME PATTERN**	Semester				
9.	**COURSE & SPECIALIZATION**	As per Annexure A **List of Majors Offered (Choose any one)** 1. Data Science 2. Artificial Intelligence and Machine Learning 3. Cloud Computing 4. Data Security **List of Minors Offered (Choose any one)** 1. Software Development 2. System Administration 3. Database Administration				
10.	**FEE**			**Academic Fee p. a**	**Institute Deposit**	**Total**
		Indian Students (Amount in INR)		1,93,000/-	20,000/-	2,13,000/-
		International Students	**NRI/ PIO/ OCI Category (Amount in US$)**	3800	275	4075
			Foreign National Category (Amount in US$)	1,300	275	1,575
	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 40% Continuous Assessment and 60% Term End [University] examination however, some courses (not more than 30% of the total programme credits) may have 100% Continuous Assessment.				

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12.	**STANDARD OF PASSING**	The assessment of students 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 internal and external examination separately with a minimum Grade Point of 4 corresponding to Grade P. Students securing less than 40% absolute marks in each head of passing will be declared FAIL. The University awards a degree to the student who has achieved a minimum CGPA of 4.00 out of maximum of 10 CGPA for the programme.
13.	**AWARD OF DEGREE/ DIPLOMA/ CERTIFICATE**	**Certificate** in Computer Applications 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. **Diploma** in Computer Applications 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. **Bachelor** of Computer Applications 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. **Bachelor** of Computer Applications **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 **Bachelor** of Computer Applications **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 4.00 CGPA out of 10 CGPA.

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14.	CLASSIFICATION OF CREDITS AND NUMBER OF NON-CREDIT COURSES										
Semester	Major	Minor	Multi-disciplinary	Ability Enhancement	Skill Enhancement	Common Value Added	Summer Internship	Research Project / Dissertation	Total Credits	No. of Mandatory Non-Credit Course/s	No. of Non-Credi Audit Course/s
1	4	4	3	3	3	3	0	0	**20**	1	As per the Student's Choice
2	4	4	3	2	4	3	0	0	**20**	1	
3	10	2	3	3	2	0	0	0	**20**	1	
4	12	8	0	0	0	0	0	0	**20**	1	
5	16	4	0	0	0	0	0	0	**20**	1	
6	14	2	0	0	0	0	4	0	**20**	0	
Total	**60**	**24**	**9**	**8**	**9**	**6**	**4**	**0**	**120**		
Honours											
7	12	4	0	0	0	0	0	4	**20**	0	
8	10	6	0	0	0	0	0	4	**20**	0	
Total	**82**	**34**	**9**	**8**	**9**	**6**	**4**	**8**	**160**		
Honours with Research											
7	16	4	0	0	0	0	0	0	**20**	0	
8	4	4	0	0	0	0	0	12	**20**	0	
Total	**80**	**32**	**9**	**8**	**9**	**6**	**4**	**12**	**160**		

1. The students 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.
2. Passing Mandatory Non-Credit Courses is a requirement for the award of the degree.

This Programme Structure is aligned with the norms laid down by the University and is approved by the Academfc 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.

Dean, Academics

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Symbiosis Institute of Computer Studies and Research, Pune
Bachelor of Computer Applications (Honours/Honours with Research)
Programme Structure 2023-27

Annexure A

Catalogue Course Code	Course Code	Course Title	Major / Minor	Credits	Continuous Assessment Marks	Term End Examination Marks	Total Marks
Semester – 1							
Major Course							
T3586	0301240101	Web Technologies		4	100	0	100
Minor Course							
T3593	0301240102	Computational Thinking		4	40	60	100
Ability Enhancement Course							
T6547	0301240103	Communication Skills		3	75	0	75
Skill Enhancement Courses							
TE7556	0301240104	Introduction to Python Programming		3	30	45	75
Common Value-Added Course							
TH4521	0301240105	Yoga and Mental Health		3	75	0	75
Mandatory Non-Credit Course							
T4005	0301240106	Integrated Disaster Management		0	0	0	0
Multidisciplinary Course (Choose Any One Course from the University Basket of Multidisciplinary Courses given in Annexure B)							
-	-	MD1		3	75	0	75
			Grand Total	**20**	**395**	**105**	**500**

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Catalogue Course Code	Course Code	Course Title	Major / Minor	Credits	Continuous Assessment Marks	Term End Examination Marks	Total Marks
Semester – 2							
Major Course							
T3239	0301240201	Relational Database Management System		4	40	60	100
Minor Course							
T7549	0301240202	Data Structures and Algorithms		4	40	60	100
Ability Enhancement Course							
T6483	0301240203	Creative Writing		2	50	0	50
Skill Enhancement Course							
T3204	0301240204	Server Side Web Technology		4	40	60	100
Common Value-Added Courses							
T4780	0301240205	Yoga Therapy Principles an Practices		3	75	0	75
Mandatory Non-Credit Course							
TH4095	0301240206	Fitness for Life		0	0	0	0
Multidisciplinary Courses (Choose Any One Course from the University Basket of Multidisciplinary Courses given in Annexure B)							
-	-	MD2		3	75	0	75
			Grand Total	**20**	**320**	**180**	**500**
Vocational Courses (Summer) (Only for students who wish to exit after the First Year with a Certificate)							
T3610	0301240207	Applications of Spreadsheets in Business		4	100	0	100
			Total Required Credits	4	100	0	100

Note: Students exiting at the end of the second semester and earning 40 credits will be awarded a "Certificate in Computer Applications" provided they successfully complete the additional 4 credits of vocational course offered

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Catalogue Course Code	Course Code	Course Title	Major / Minor	Credits	Continuous Assessment Marks	Term End Examination Marks	Total Marks
during the summer term.							
Semester – 3							
Major Courses							
T7998	0301240301	Operating Systems		4	40	60	100
T3609	0301240302	Structured Query Language		2	20	30	50
T3224	0301240303	Network Essentials		2	20	30	50
T2244	0301240304	Innovation Management		2	20	30	50
Minor Course							
T3740	0301240305	Software Engineering		2	20	30	50
Ability Enhancement Courses							
T6754	0301240306	Business and Managerial Communication		3	75	0	75
Skill Enhancement Course							
T3577	0301240307	Data Analysis Using Pythor		2	20	30	50
Mandatory Non-Credit Course							
SMC002	0301240308	Core Environmental Studies		0	0	0	0
Multidisciplinary Courses (Choose Any One Course from the University Basket of Multidisciplinary Courses given in Annexure B)							
-	-	MD3		3	75	0	75
			Grand Total	**20**	**290**	**210**	**500**
Semester - 4							

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Catalogue Course Code	Course Code	Course Title	Major / Minor	Credits	Continuous Assessment Marks	Term End Examination Marks	Total Marks
Major Courses							
T3221	0301240401	Introduction to Cloud Computing		4	40	60	100
T3237	0301240402	Foundations of Data Warehousing and Data Mining		4	40	60	100
T3394	0301240403	Internet of Things		2	20	30	50
T8000	0301240404	Service Learning		2	50	0	50
Minor Courses							
T7999	0301240405	Java Programming		4	40	60	100
T3487	0301240406	Network Security Essentials		4	40	60	100
Mandatory Non-Credit Course							
SMC001	0301240407	Vasudhaiva Kutumbakam		0	0	0	0
			Grand Total	**20**	**230**	**270**	**500**
Vocational Courses (Summer) (Only for students who wish to exit after the Second Year with a Diploma)							
T3610	0301240408	Applications of Spreadsheets in Business		4	100	0	100
			Total Required Credits	4	100	0	100
Note: Students exiting at the end of the fourth semester and earning 80 credits will be awarded a "Diploma in Computer Applications," provided they successfully complete the additional 4 credits of vocational courses offered during the summer term.							
GIP							
G3016	0301240409	Global Immersion		16	0	400	400

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Catalogue Course Code	Course Code	Course Title	Major / Minor	Credits	Continuous Assessment Marks	Term End Examination Marks	Total Marks
		Programme					
Note: For students under Global Immersion Programme (0301240409), courses "Introduction to Cloud Computing " (0301240401)," Foundations of Data Warehousing and Data Mining " (0301240402)," Internet of Things " (0301240403)," Service Learning " (0301240404)," and " Network Security Essentials "(0301240406) will be waived off.							
Semester - 5							
Major Courses							
T3197	0301240501	Introduction to Best Programming Practices		4	40	60	100
T2208	0301240502	Research Methodology		4	40	60	100
Major Courses (Choose Any One Group)							
Group 1 - Data Science							
T6967	0301240503	Data Science I	Data Science	4	40	60	100
T3604	0301240504	Essentials of Business Intelligence	Data Science	4	40	60	100
Group 2 - Artificial Intelligence and Machine Learning							
TE7453	0301240505	Introduction to Artificial Intelligence	Artificial Intelligence and Machine Learning	4	40	60	100
TE7023	0301240506	Machine Learning	Artificial Intelligence and Machine Learning	4	40	60	100
Group 3 - Cloud Computing							
T3674	0301240507	Cloud Applications for Business Processes	Cloud Computing	4	40	60	100
T3600	0301240508	Cloud Architectures and Security	Cloud Computing	4	40	60	100

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Catalogue Course Code	Course Code	Course Title	Major / Minor	Credits	Continuous Assessment Marks	Term End Examination Marks	Total Marks
Group 4 - Data Security							
T3222	0301240509	Introduction to Vulnerability Assessment Penetration Testing	Data Security	4	40	60	100
T3832	0301240510	System and Security Audit	Data Security	4	40	60	100
			Total Required Credits	8	80	120	200
Minor Courses (Choose Any One Group)							
Group 5 – Software Development							
T3201	0301240511	Mobile Programming	Software Development	4	40	60	100
Group 6 - System Administration							
T3601	0301240512	Network Administration	System Administration	4	40	60	100
Group 7 - Database Administration							
T7522	0301240513	Advanced Databases	Database Administration	4	40	60	100
			Total Required Credits	4	40	60	100
Mandatory Non-Credit Course							
TH4535	0301240514	Emotional Well-being		0	0	0	0
			Grand Total	**20**	**200**	**300**	**500**
GIP							
G3004	0301240515	Global Immersion Programme		4	0	100	100
Note: For students under Global Immersion Programme (0301240515), course " Essentials of Business Intelligence " (0301240504), will be waived off.							
GIP							
G3003	0301240516	Global Immersion Programme		3	0	75	75

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Catalogue Course Code	Course Code	Course Title	Major / Minor	Credits	Continuous Assessment Marks	Term End Examination Marks	Total Marks
T3801	0301240517	Project		1	25	0	25
Note: For students under Global Immersion Programme (0301240516), will have to additionally complete 1 credit "Project" (0301240517) to waive off "Introduction to Artificial Intelligence" (0301240505).							
GIP							
G3003	0301240518	Global Immersion Programme		3	0	75	75
T3801	0301240519	Project		1	25	0	25
Note: For students under Global Immersion Programme (0301240518), will have to additionally complete 1 credit "Project" (0301240519) to waive off " Essentials of Business Intelligence " (0301240504).							
Semester – 6							
Major Courses							
T3264	0301240601	Basic of Java Enterprise Technology		4	40	60	100
T3765	0301240602	Mathematics Foundation		2	50	0	50
Major Courses (Choose Any One Group)							
Group 1 – Data Science							
T3510	0301240603	Big Data: Storage and Analytics	Data Science	4	40	60	100
TE7281	0301240604	Open Source Tools for Data Science	Data Science	4	40	60	100
Group 2 – Artificial Intelligence and Machine Learning							
TE7022	0301240605	Predictive Analytics	Artificial Intelligence and Machine Learning	4	40	60	100
TE7912	0301240606	Supervised Machine Learning and Advances	Artificial Intelligence and Machine Learning	4	40	60	100
Group 3 – Cloud Computing							
T3752	0301240607	Fog Computing and edge computing	Cloud Computing	4	40	60	100

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Catalogue Course Code	Course Code	Course Title	Major / Minor	Credits	Continuous Assessment Marks	Term End Examination Marks	Total Marks
T3750	0301240608	Cloud administration and Management	Cloud Computing	4	40	60	100
Group 4 – Data Security							
T3748	0301240609	Data Privacy and identity Access Control	Data Security	4	40	60	100
TE7252	0301240610	Cryptography	Data Security	4	40	60	100
			Total Required Credits	8	80	120	200
Minor Courses (Choose Any One Group)							
Group 5 – Software Development							
T3691	0301240611	Introduction to web services	Software Development	2	20	30	50
Group 6 – System Administration							
T3175	0301240612	Network Design	System Administration	2	20	30	50
Group 7 – Database Administration							
T3529	0301240613	NoSQL Databases	Database Administration	2	20	30	50
			Total Required Credits	2	20	30	50
Summer Internship							
T3904	0301240614	Summer Internship		4	40	60	100
			Grand Total	**20**	**230**	**270**	**500**
Note: Students exiting at the end of the sixth semester and earning 120 credits will be awarded a "Bachelor of Computer Applications" degree. Total Credits at the end of the Third year (Major 60, Minor 24, Multidisciplinary 9, Ability Enhancement Courses 8, Skill Enhancement Courses 9, Summer Internship 4, Common Value-Added Courses 6).							
Semester – 7 (Honours)							
Major Courses							
T3536	0301240701	Web UI and Content		4	40	60	100

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Catalogue Course Code	Course Code	Course Title	Major / Minor	Credits	Continuous Assessment Marks	Term End Examination Marks	Total Marks
		Management					
T5514	0301240702	Design Thinking and Problem Solving		2	20	30	50
Major Courses (Choose Any One Group)							
Group 1 – Data Science							
T6850	0301240703	Python for Data Science	Data Science	4	40	60	100
T3647	0301240704	Data Analytics using MS-Excel	Data Science	2	20	30	50
Group 2 – Artificial Intelligence and Machine Learning							
TEE7022	0301240705	Natural Language and Responsive AI	Artificial Intelligence and Machine Learning	4	40	60	100
T3736	0301240706	Deep learning	Artificial Intelligence and Machine Learning	2	20	30	50
Group 3 – Cloud Computing							
T3753	0301240707	Grid Computing and Utility computing	Cloud Computing	4	40	60	100
T2894	0301240708	Cloud-based Solution Architecture	Cloud Computing	2	20	30	50
Group 4 – Data Security							
TE7458	0301240709	Advanced Cyber Security	Data Security	4	40	60	100
T3044	0301240710	Security Management Practices	Data Security	2	20	30	50
			Total Required Credits	6	60	90	150
Minor Courses (Choose Any One Group)							
Group 5 – Software Development							
T3374	0301240711	Advance Android Programming	Software Development	4	40	60	100

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Catalogue Course Code	Course Code	Course Title	Major / Minor	Credits	Continuous Assessment Marks	Term End Examination Marks	Total Marks
Group 6 – System Administration							
T3602	0301240712	Network Monitoring and Troubleshooting	System Administration	4	40	60	100
Group 7 – Database Administration							
T3749	0301240713	Database Security and Performance Tuning	Database Administration	4	40	60	100
			Total Required Credits	4	40	60	100
Dissertation							
T3704	0301240714	Dissertation		4	100	0	100
			Grand Total	**20**	**260**	**240**	**500**
GIP							
GA3004	0301240720	Global Immersion Programme - Academic		4	0	100	100

Note: For students under Global Immersion Programme - Academic (0301240720), courses "Python for Data Science" (0301240703)," will be waived off.

Semester – 7 (Honours with Research)							
Major Courses							
THM6020	0301240715	Literature Review		4	40	60	100
THM6022	0301240716	Scientific Paper Writing		4	40	60	100
THM6021	0301240717	Ethics in Research		4	40	60	100
T3744	0301240718	R Programming		4	40	60	100
Minor Course							
T3804	0301240719	Project		4	100	0	100
			Grand Total	**20**	**260**	**240**	**500**

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Catalogue Course Code	Course Code	Course Title	Major / Minor	Credits	Continuous Assessment Marks	Term End Examination Marks	Total Marks
Semester – 8 (Honours)							
Major Course							
T3738	0301240801	Software Quality Practices		2	20	30	50
F0002	0301240802	Flexi Credit Course		2	50	0	50
Major Courses (Choose Any One Group)							
Group 1- Data Science							
T6987	0301240803	Statistical Machine Learning	Data Science	4	40	60	100
T6988	0301240804	Text Mining	Data Science	2	20	30	50
Group 2 - Artificial Intelligence and Machine Learning							
T3612	0301240805	Data Visualisation	Artificial Intelligence and Machine Learning	4	40	60	100
T3794	0301240806	Multimodal Machine Learning	Artificial Intelligence and Machine Learning	2	20	30	50
Group 3 - Cloud Computing							
T3751	0301240807	Cloud data Centre management	Cloud Computing	4	40	60	100
T3026	0301240808	High Performance Computing	Cloud Computing	2	20	30	50
Group 4 - Data Security							
T3053	0301240809	Server Security and Hardening	Data Security	4	40	60	100
T3036	0301240810	Information Risk Management	Data Security	2	20	30	50
Total Required Credits				**6**	**60**	**90**	**150**

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Catalogue Course Code	Course Code	Course Title	Major / Minor	Credits	Continuous Assessment Marks	Term End Examination Marks	Total Marks
Minor Course							
T3344	0301240811	DevOps		2	20	30	50
Minor Courses (Choose Any One Group)							
Group 5 - Software Development							
T3469	0301240812	Advance Web Scripting	Software Development	4	40	60	100
Group 6 - System Administration							
T3690	0301240813	Computer Forensics - Detection and Prevention of IT Frauds	System Administration	4	40	60	100
Group 7 - Database Administration							
T3396	0301240814	Database Technologies	Database Administration	4	40	60	100
			Total Required Credits	**4**	**40**	**60**	**100**
Project							
T3804	0301240815	Project		4	100	0	100
			Grand Total	**20**	**290**	**210**	**500**
Semester: 8 (Honours with Research)							
Major Course							
T1760	0301240816	Patent and Intellectual Property Rights		2	20	30	50
F0002	0301240817	Flexi Credit Course		2	50	0	50
Minor Course							
T3743	0301240818	Research Funding		4	100	0	100
Research Project							
T3812	0301240819	Research Project		12	120	180	300
			Grand Total	**20**	**290**	**210**	**500**

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Catalogue Course Code	Course Code	Course Title	Major / Minor	Credits	Continuous Assessment Marks	Term End Examination Marks	Total Marks

Note: Total Credits at the end of Fourth year Bachelor of Computer Applications–Honours - 160 (Major 82, Minor 34, Multidisciplinary 9, Ability Enhancement Courses 8, Skill Enhancement Courses 9, Summer Internship 4, Research Project 8, Common Value-Added Courses 6).

Total Credits at the end of Fourth year for Bachelor of Computer Applications-Honours with Research – 160 (Major 80, Minor 32, Multidisciplinary 9, Ability Enhancement Courses 8, Skill Enhancement Courses 9, Summer Internship 4, Dissertation 12, Common Value-Added Courses 6).

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Symbiosis Institute of Computer Studies and Research, Pune
Bachelor of Computer Applications - Honours/Honours with Research
Programme Structure 2023-27

SUMMARY

Semester	100% Continuous Assessment Credits	Term End (University) Examination Credits	Total Credits	Total Marks
1	13	7	20	500
2	8	12	20	500
3	6	14	20	500
4	2	18	20	500
5	0	20	20	500
6	2	18	20	500
Total	**31**	**89**	**120**	**3000**
Honours				
7	4	16	20	500
8	6	14	20	500
Total	**41**	**119**	**160**	**4000**
Honours with Research				
7	4	16	20	500
8	6	14	20	500
Total	**41**	**119**	**160**	**4000**

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Symbiosis Institute of Computer Studies and Research, Pune
Bachelor of Computer Applications - Honours/Honours with Research
Programme Structure 2023-27

Annexure B
List of Multidisciplinary Courses

S. No.	Catalogue Course Code	Course Code			Course Title	Credit
		Semester 1	Semester 2	Semester 3		
1	T1454	0301240107	0301240208	0301240309	Constitutional Law I	3
2	T2119	0301240108	0301240209	0301240310	Consumer Behaviour and Insights	3
3	TH4542	0301240109	0301240210	0301240311	Dancercise	3
4	TH4541	0301240110	0301240211	0301240312	Data Analytics in Sports	3
5	T5787	0301240111	0301240212	0301240313	Digital Design Tools - Visual Media	3
6	TH4539	0301240112	0301240213	0301240314	Fitness and Sports	3
7	T2467	0301240113	0301240214	0301240315	Fundamentals of Brand Management	3
8	THM6023	0301240114	0301240215	0301240316	Games of Uncertainty	3
9	T4729	0301240115	0301240216	0301240317	Intellectual Property Rights	3
10	T1471	0301240116	0301240217	0301240318	Law of Contracts	3
11	T5953	0301240117	0301240218	0301240319	Public Relations and Corporate Communication	3
12	T2489	0301240118	0301240219	0301240320	Renewable Energy Sources	3
13	TH4540	0301240119	0301240220	0301240321	Self-Defence	3
14	TE7223	0301240120	0301240221	0301240322	Smart Urban Planning	3
15	T2701	0301240121	0301240222	0301240323	Social Entrepreneurship	3
16	THM6037	0301240122	0301240223	0301240324	Statistics of Nature	3
17	TH4538	0301240123	0301240224	0301240325	Weight Training and Conditioning	3
18	TH4537	0301240124	0301240225	0301240326	Well for Life	3
19	TH4536	0301240125	0301240226	0301240327	Yoga and Stress Management	3
20	TH4363	0301240126	0301240227	0301240328	Cognitive Psychology	3
21	T6767	0301240127	0301240228	0301240329	Public Policy in India	3

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22	T6769	0301240128	0301240229	0301240330	India's Foreign Policy	3
23	TE7689	0301240129	0301240230	0301240331	Statistics and Probability	3
24	TH4569	--	0301240231	0301240332	Brain Fit Body Fit	3
25	TM2154	--	0301240232	0301240333	Personal Financial Planning and Wellbeing	3
26	T2016	--	0301240233	0301240334	Financial Market and Institutions	3
27	T2273	--	0301240234	0301240335	Emotional Intelligence for Personal Growth	3
28	T2276	--	0301240235	0301240336	Cross Cultural Management	3
29	T2471	--	0301240236	0301240337	Introduction to Digital Marketing	3
30	T6002	--	0301240237	0301240338	Communication Theories	3
31	T6008	--	0301240238	0301240339	Communication for Creative Industry	3
32	T6023	--	0301240239	0301240340	Film, Documentary & TV Appreciation	3
33	T6306	--	0301240240	0301240341	Consumer Behavior	3
34	T6359	--	0301240241	0301240342	Introduction to Culture and India	3
35	T6614	--	0301240242	0301240343	Voice and Accent Neutralization	3
36	T6736	--	0301240243	0301240344	Economic Journalism	3
37	T6756	--	0301240244	0301240345	Economics	3
38	T6763	--	0301240245	0301240346	Political Science I	3
39	T6768	--	0301240246	0301240347	India's Political Economy and Development	3
40	T8461	--	0301240247	0301240348	Introduction to User Experience Design	3
41	THM6015	--	0301240248	0301240349	Principles of Economics	3
42	THM6017	--	0301240249	0301240350	Macroeconomics for Business	3
43	T2088	--	--	0301240351	Management accounting	3
44	T2100	--	--	0301240352	Financial Regulatory Environment	3
45	T2240	--	--	0301240353	Advanced Business Communication	3
46	T2383	--	--	0301240354	International Relations and Strategy	3
47	T2384	--	--	0301240355	Introduction to International Business	3
48	T2582	--	--	0301240356	OB & HRM	3
49	T6876	--	--	0301240357	Introduction to Behavioral Economics and Finance	3
50	T5519	--	--	0301240358	Language, Culture & Communication	3
51	T5534	--	--	0301240359	Indian Popular Culture	3
52	T8982	--	--	0301240360	Introduction to Graphic Design	3
53	T6160	--	--	0301240361	Post liberalization Indian economy	3
54	T6357	--	--	0301240362	Indian Kaleidoscope	3

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55	T6733	--	--	0301240363	Content and Language Integrated Learning	3
56	T8372	--	--	0301240364	Brand Identity Design	3
57	T8460	--	--	0301240365	Introduction to Product Design	3
58	THM6036	--	--	0301240366	Data Story Telling	3

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