Symbiosis Centre for Information Technology, Pune
Master of Business Administration (Data Sciences and Data Analytics)
Programme Structure 2026-28

1.	**OBJECTIVE**	Master of Business Administration (Data Sciences and Data Analytics) aims at developing Management professionals for Data Sciences and Data Analytics stream. The program will enable students to approach data using scientific methods. This program will develop the ability to think about the real problems that need to be solved, not to simply find technical solutions. Students will learn the theory behind the tools, which in turn will make you a more versatile data scientist. Data Sciences and Data Analytics will enable the candidates gain analytics competencies and hands on the tools used in data sciences thereby preparing them for business and techno-functional roles in data sciences and analytics projects.				
2.	**DURATION (IN MONTHS)**	24 (Full Time)				
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**	Graduate from any recognized University/ Institution of National Importance with a minimum of 50% marks or equivalent grade (45% marks or equivalent grade for Scheduled Caste/ Scheduled Tribes).				
6.	**SELECTION PROCEDURE**	Candidates shortlisted through the Symbiosis National Aptitude Test (SNAP) will proceed to the Group Exercise (GE) and Personal Interaction (PI) rounds. The final selection will be based on a composite merit list, with the SNAP score contributing 50%, GE 10%, and PI 40%				
7.	**MEDIUM OF INSTRUCTION**	English				
8.	**PROGRAMME PATTERN**	Semester				
9.	**COURSE & SPECIALISATION**	As per Annexure A				
10.	**FEE**		**Academic Fee p.a**	**Institute Deposit**	**Total**	

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	Indian Students (Amount in INR)		750000	20000	770000
	International Students	**NRI/ PIO/ OCI Category (Amount in US$)**	14000	275	14275
		Foreign National Category (Amount in US$)	2600	275	2875

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 students for each examination is done, based on relative performance. Maximum Grade Point (GP) is 10.000 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 4.000 corresponding to Grade P (Pass). 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 out of maximum of 10 CGPA for the programme.
13.	**AWARD OF DEGREE**	Master of Business Administration (Data Sciences and Data Analytics) will be awarded at the end of semester 4 examination by taking into consideration the performance of all semester examinations after obtaining minimum 4.00 CGPA out of 10 CGPA.

14. CLASSIFICATION OF CREDITS

Semester	Generic Core	Generic Elective	Specialisa-tion Core	Specialisa-tion Elective	Open Elective	Mandatory Non-Credit Course/s	Non-Credit Audit Course/s	Total
Common								
1	18	9	0	0	0	0	As per the student's choice	27
2	20	0	0	0	9	0		29
3	18	0	0	0	9	1 *		27
4	8	9	0	0	0	1 *		17
Total	**64**	**18**	**0**	**0**	**18**	**0**		**100**

* Satisfactory completion of non credit courses 'Health and Wellness' and '*Vasudhaiva Kutumbakam*' is mandatory for award of degree.

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.

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Annexure A

Catalog Course Code	Course Code	Course Title	Specialisation	Credit	Continuous Assessment	Term End Examination	Total Marks
Semester : 1							
Generic Core Courses							
T2778	0302420101	Basics of Financial Management		2	60	40	100
T2216	0302420102	Business Statistics		2	60	40	100
T2560	0302420103	Principles and Practices of Management		2	60	40	100
T2225	0302420104	Research Methodology		2	100	0	100
T3436	0302420105	Domain Study(Manufacturing and Logistics)		2	60	40	100
T3637	0302420106	Mathematics Foundation		2	60	40	100
T3822	0302420107	Python Programming		2	60	40	100
T3821	0302420108	Introduction to DBMS and SQL Programming		2	60	40	100
T3797	0302420109	Data preparation and Data management		2	60	40	100
			Total	**18**	**580**	**320**	**900**
Generic Elective Course Group (Choose any three courses)							
T3826	0302420110	AI Powered Developer Platforms and Tools		3	90	60	150
T3828	0302420111	Cloud Computing		3	90	60	150
T3795	0302420112	Machine learning		3	90	60	150
T3448	0302420113	Text Analytics		3	90	60	150
			Total Required Credits	**9**	**270**	**180**	**450**
Semester : 2							
Generic Core Courses							
T3450	0302420201	Advance data organization		2	60	40	100
T2114	0302420202	Essentials of Marketing Management		2	60	40	100
T2253	0302420203	Strategic Management		2	60	40	100
T6075	0302420204	Managerial Economics		2	60	40	100
T3437	0302420205	Domain Study(BFSI)		2	60	40	100
T3718	0302420206	Knowledge Graphs		2	100	0	100
T3824	0302420207	Time Series Data, Analysis and Databases		2	60	40	100
T3819	0302420208	Responsible and Explainable AI		2	60	40	100
T3799	0302420209	Data Visualization and Storytelling		2	100	0	100
T3798	0302420210	Operations Research and Optimization Techniques		2	60	40	100

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TH4788		Health and Wellness Module I #		0	0	0	0
			Total	**20**	**680**	**320**	**1000**
Open Elective Course Group (Choose any three courses)							
T3562	0302420211	Cognitive Computing	Artificial Intelligence	3	90	60	150
T3816	0302420212	Deep learning	Artificial Intelligence	3	90	60	150
T3796	0302420213	Natural Language Processing and Large Language Models	Artificial Intelligence	3	90	60	150
T3820	0302420214	Financial Analytics	Data Analytics	3	90	60	150
T3309	0302420215	Big Data Analytics	Data Analytics	3	90	60	150
T3454	0302420216	Software analytics	Data Analytics	3	90	60	150
T3559	0302420217	Marketing Analytics	Data Analytics	3	90	60	150
T3817	0302420218	Recommender Systems	Artificial Intelligence	3	90	60	150
			Total Required Credits	**9**	**270**	**180**	**450**
Semester : 3							
Generic Core Courses							
T3908	0302420301	Summer Internship		8	240	160	400
T3455	0302420302	Data Protection and Privacy		2	60	40	100
T2658	0302420303	Design Thinking		2	100	0	100
T2353	0302420304	Entrepreneurship		2	60	40	100
T2572	0302420305	Human Resource Management		2	60	40	100
T3435	0302420306	Domain Study(Retail)		2	60	40	100
TH4789		Health and Wellness Module II #		0	0	0	0
SMC003	0302420307	Health and Wellness *		0	0	0	Mandatory Non-Credit Course
			Total	**18**	**580**	**320**	**900**
Open Elective Courses Group (Choose any three courses)							
T3558	0302420308	Reinforcement Learning	Artificial Intelligence	3	150	0	150
T3561	0302420309	Human Computer Interaction	Artificial Intelligence	3	150	0	150
F0003	0302420310	Flexi-Credit Course	Artificial Intelligence	3	150	0	150
T3716	0302420311	Generative Adversarial Networks	Artificial Intelligence	3	150	0	150
T3800	0302420312	Computer Vision	Artificial Intelligence	3	150	0	150
T3833	0302420313	Social Media and Web Analytics	Data Analytics	3	150	0	150

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Catalog Course Code	Course Code	Course Title	Specialisation	Credit	Continuous Assessment	Term End Examination	Total Marks
T3457	0302420314	Fraud Detection Analytics	Data Analytics	3	150	0	150
T3459	0302420315	Insurance Analytics	Data Analytics	3	150	0	150
T3460	0302420316	Supply chain and operations analytics	Data Analytics	3	150	0	150
F0003	0302420317	Flexi-Credit Course	Data Analytics	3	150	0	150
			Total Required Credits	**9**	**450**	**0**	**450**
Semester : 4							
Generic Core Courses							
T2236	0302420401	Corporate Governance and Ethics		2	60	40	100
T2416	0302420402	Sustainability Standards - Application, Analysis and Reporting		2	60	40	100
F0002	0302420403	Flexi-Credit Course		2	100	0	100
T3702	0302420404	Dissertation		2	60	40	100
SMC001	0302420405	*Vasudhaiva Kutumbakam* *		0	0	0	Mandatory Non-Credit Course
			Total	**8**	**280**	**120**	**400**
Generic Elective Course Group (Choose any three courses)							
T3458	0302420406	Healthcare analytics		3	150	0	150
T3464	0302420407	HR Analytics		3	150	0	150
T3462	0302420408	Cyber Security Analytics		3	150	0	150
T3461	0302420409	IoT analytics		3	150	0	150
T3456	0302420410	Customer analytics		3	150	0	150
T3463	0302420411	Energy analytics		3	150	0	150
T3825	0302420412	Designing Data Lake and Governance		3	150	0	150
T3818	0302420413	Machine Learning Operations(MLOps)		3	150	0	150
			Total Required Credits	**9**	**450**	**0**	**450**

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