Symbiosis Institute of Computer Studies and Research, Pune
Master of Business Administration (Information Technology)
Programme Structure 2023-25

1.	**OBJECTIVE**	To prepare students in applications of information technologies to deliver software solutions. The program focuses on * Imparting training in latest technologies. * Exposure to best business practices. * Building team leadership qualities and management skills As programme relates to current professional practice and the work place, the students are best suited for entry-level positions as: * Application Programmer: Using latest methodologies, development tools, languages. * Business Analyst: Business development, Pre-sales, Selection & Implementation of software solutions. * Quality Analyst: Implementation of enterprise level quality models, design / implementation of software development processes, testing and technical documentation.				
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	5
		II.Over and above the sanctioned intake	**a) Kashmiri Migrants (In Seats)**		**b) International Students (In Percentage)**	
			2		15	
5.	**ELIGIBILITY**	Graduate from any recognised 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**	Symbiosis National Aptitude Test, Group Exercise, Personal Interaction and Writing Ability Test (GE-PIWAT)				
7.	**MEDIUM OF INSTRUCTION**	English				
8.	**PROGRAMME PATTERN**	Semester				
9.	**COURSE & SPECIALIZATION**	As per Annexure A				
10.	**FEE**		**Academic Fee p.a**	**Institute Deposit**		**Total**

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Indian Students (Amount in INR)		446000	20000	466000
International Students	**NRI/ PIO/ OCI Category (Amount in US$)**	8725	275	9000
	Foreign National Category (Amount in US$)	2600	275	2875

11.	**ASSESSMENT**	All internal courses will have 100% component as internal evaluation at the institute level. All external courses will have 60% internal component and 40% component as external (University) examination.
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 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 out of maximum of 10 CGPA for the programme.
13.	**AWARD OF DEGREE**	Master of Business Administration (Information Technology) will be awarded at the end of Semester IV examination by taking into consideration the performance of all semester examinations after obtaining minimum 4.00 CGPA out of 10.00 CGPA
14.	**CLASSIFICATION OF CREDITS**	

Semester	Generic Core	Generic Elective	Specialization Core	Specialization Elective	Open Elective	Non-Letter Grade Mandatory Course/s	Non-Letter Grade Audit Course/s	Total
Common								
1	25	0	0	0	0	1	As per the student's choice	25
2	14	2	17	0	0	0		33
3	13	0	17	0	0	0		30
4	12	0	0	0	0	0		12
Total	**64**	**2**	**34**	**0**	**0**	**0**		**100**

This Programme Structure is aligned with the norms laid down by the University and is approved by the Academic 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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Annexure A

Catalog Course Code	Course Code	Course Title	Specialization	Credit	Internal Marks	External Marks	Total Marks
Semester : 1							
Semester : 1							
Generic Core Courses							
T3115	0301410101	Relational Database Management System		4	120	80	200
T3575	0301410102	Software Engineering (Agile Practices)		4	120	80	200
T3078	0301410103	Principles and Practice of IT Enabled Management		3	90	60	150
T3071	0301410104	Basic Business Statistics for Data Analysis		2	60	40	100
T2139	0301410105	Digital Marketing		2	60	40	100
T3076	0301410106	Enterprise Resource Planning		2	60	40	100
T3198	0301410107	Introduction to Python		2	100	0	100
T3016	0301410108	PHP		2	60	40	100
T2225	0301410109	Research Methodology		2	60	40	100
T3321	0301410110	Web Development Framework		2	60	40	100
T4005	0301410111	Integrated Disaster Management		0	0	0	Non - Letter Grade Mandatory
			Total	**25**	**790**	**460**	**1250**
Semester : 2							
Generic Core Courses							
T3114	0301410201	Object Oriented Analysis Design		4	120	80	200
T3285	0301410202	Analysis of Business Case using Spreadsheets		3	90	60	150
F0003	0301410203	Flexi-Credit Course		3	150	0	150
T3249	0301410204	IT Tools and Techniques for Business		2	60	40	100
T2281	0301410205	Talent Acquisition		2	60	40	100
			Total	**14**	**480**	**220**	**700**
Generic Elective Course Group (Choose any One course)							
T3656	0301410206	AI and ML for Business Management		2	60	40	100
T3350	0301410207	IT Business Analysis		2	60	40	100
			Total Required Credits	**2**	**60**	**40**	**100**
Specialization Core Courses : Banking and Financial Markets							
T2058	0301410208	Advanced Topics in Corporate Finance	Banking and Financial Markets	3	90	60	150
T3508	0301410209	Asset Liability Management (ALM) in Finance	Banking and Financial Markets	3	90	60	150
T2036	0301410210	Financial Management	Banking and Financial Markets	3	90	60	150
T3302	0301410211	IT Solutions to Banking and Financial Markets I	Banking and Financial Markets	3	90	60	150
T2048	0301410212	Mergers and Acquisitions	Banking and Financial Markets	3	90	60	150
F0002	0301410213	Flexi-Credit Course	Banking and Financial Markets	2	100	0	100
			Total	**17**	**550**	**300**	**850**
Specialization Core Courses : Data Analytics							
T3072	0301410214	Business Intelligence I	Data Analytics	3	90	60	150
T3499	0301410215	Data Analysis Using Python	Data Analytics	3	90	60	150
T3664	0301410216	Data Management and Visualization	Data Analytics	3	90	60	150
T3113	0301410217	Data Warehousing Architecture and Operations	Data Analytics	3	90	60	150
T3440	0301410218	Fundamentals of Data Science	Data Analytics	3	90	60	150
F0002	0301410219	Flexi-Credit Course	Data Analytics	2	100	0	100
			Total	**17**	**550**	**300**	**850**
Specialization Core Courses : IT Infrastructure Management							
T3221	0301410220	Introduction to Cloud Computing	IT Infrastructure Management	4	120	80	200
T3222	0301410221	Introduction to Vulnerability Assessment Penetration Testing	IT Infrastructure Management	4	120	80	200
T3062	0301410222	IT Service Management	IT Infrastructure Management	3	90	60	150
F0002	0301410223	Flexi-Credit Course	IT Infrastructure Management	2	100	0	100

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Catalog Course Code	Course Code	Course Title	Specialization	Credit	Internal Marks	External Marks	Total Marks
T3060	0301410224	IT Infrastructure Essentials	IT Infrastructure Management	2	60	40	100
T3061	0301410225	IT Infrastructure Library	IT Infrastructure Management	2	60	40	100
			Total	**17**	**550**	**300**	**850**

Catalog Course Code	Course Code	Course Title	Specialization	Credit	Internal Marks	External Marks	Total Marks
Specialization Core Courses : Software Process Management							
T3495	0301410226	Product Management	Software Process Management	3	90	60	150
T3300	0301410227	Software Quality Process and Assurance I	Software Process Management	3	90	60	150
T3298	0301410228	Software Quality Standards I	Software Process Management	3	90	60	150
T3124	0301410229	Software Verification and Validation	Software Process Management	3	90	60	150
T3496	0301410230	Software Versioning	Software Process Management	3	90	60	150
F0002	0301410231	Flexi-Credit Course	Software Process Management	2	100	0	100
			Total	**17**	**550**	**300**	**850**
Semester : 3							
Generic Core Courses							
F0003	0301410301	Flexi-Credit Course		3	150	0	150
T3137	0301410302	Advanced Business Process Integration		2	60	40	100
T2353	0301410303	Entrepreneurship		2	60	40	100
T3492	0301410304	Internet of Things		2	60	40	100
T3172	0301410305	IT-Governance		2	100	0	100
T3151	0301410306	Technology in Business		2	100	0	100
			Total	**13**	**530**	**120**	**650**

Catalog Course Code	Course Code	Course Title	Specialization	Credit	Internal Marks	External Marks	Total Marks
Specialization Core Courses : Banking and Financial Markets							
T2067	0301410307	Credit management	Banking and Financial Markets	3	90	60	150
T3077	0301410308	Financial Accounting using spreadsheets	Banking and Financial Markets	3	90	60	150
T3305	0301410309	Financial Services and Management	Banking and Financial Markets	3	90	60	150
T3303	0301410310	IT solutions to Banking and Financial Markets II	Banking and Financial Markets	3	90	60	150
T3500	0301410311	Mastering Python for Finance	Banking and Financial Markets	3	90	60	150
T2056	0301410312	Financial Risk Management	Banking and Financial Markets	2	60	40	100
			Total	**17**	**510**	**340**	**850**

Catalog Course Code	Course Code	Course Title	Specialization	Credit	Internal Marks	External Marks	Total Marks
Specialization Core Courses : Data Analytics							
T3490	0301410313	Applied Data Analytics with Python	Data Analytics	3	90	60	150
T3073	0301410314	Business Intelligence II	Data Analytics	3	90	60	150
T3112	0301410315	Data Warehousing Applications and Data Analysis	Data Analytics	3	90	60	150
T3447	0301410316	Machine learning	Data Analytics	3	90	60	150
T3441	0301410317	Web Analytics	Data Analytics	3	90	60	150
T3398	0301410318	Mobile Analytics	Data Analytics	2	60	40	100
			Total	**17**	**510**	**340**	**850**

Catalog Course Code	Course Code	Course Title	Specialization	Credit	Internal Marks	External Marks	Total Marks
Specialization Core Courses : IT Infrastructure Management							
T3063	0301410319	Data Centre Infrastructure Management	IT Infrastructure Management	3	90	60	150
T3050	0301410320	IS Risk Analysis and System Audit	IT Infrastructure Management	3	90	60	150
T3425	0301410321	Understanding LDAP	IT Infrastructure Management	3	90	60	150
T3418	0301410322	Advanced Vulnerability Assessment and Penetration Testing	IT Infrastructure Management	2	60	40	100
T3344	0301410323	DevOps	IT Infrastructure Management	2	60	40	100
T3055	0301410324	Information Security Management	IT Infrastructure Management	2	60	40	100
T3421	0301410325	Infrastructure Security	IT Infrastructure Management	2	60	40	100
			Total	**17**	**510**	**340**	**850**

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Catalog Course Code	Course Code	Course Title	Specialization	Credit	Internal Marks	External Marks	Total Marks
		Specialization Core Courses : Software Process Management					
T3497	0301410326	Application Packaging	Software Process Management	3	90	60	150
T3086	0301410327	IT Strategy	Software Process Management	3	90	60	150
T3095	0301410328	Requirements Management	Software Process Management	3	90	60	150
T3301	0301410329	Software Quality Process and Assurance II	Software Process Management	3	90	60	150
T3299	0301410330	Software Quality Standards II	Software Process Management	3	90	60	150
T2828	0301410331	Six Sigma	Software Process Management	2	60	40	100
			Total	**17**	**510**	**340**	**850**
		Semester : 4					
		Generic Core Courses					
T3912	0301410401	Industry Internship		12	360	240	600
			Total	**12**	**360**	**240**	**600**

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Semester	Internal Credits	External Credits	Total Credits	Total Marks
Semester 1	2	23	25	1250
Semester 2	5	28	33	1650
Semester 3	7	23	30	1500
Semester 4	0	12	12	600
Total	**14**	**86**	**100**	**5000**