

Institute Code	Institute Name	Program Code	Program Name	Catalog Course Code	Catalog Course Name	Course Type	Batch 2020	Batch 2021	Change in T-Code Yes / No	Change in course/Nature	Change in Pedagogy	Change in evaluation	Change in instruction method	Add on course	Changes Yes: Revised No: Not
301	SICSR,	30141	MBA(IT)	T3198	Introduction to Python	Core	Base PS	No Change	No						
301	SICSR,	30141	MBA(IT)	T3221	Introduction to Cloud Computing	Core	Base PS	No Change	No						
301	SICSR,	30141	MBA(IT)	T3222	Introduction to Vulnerability Assessment Penetration	Core	Base PS	No Change	No						
301	SICSR,	30141	MBA(IT)	T3225	Network Planning and Design	Core	Base PS	No Change	No						
301	SICSR,	30141	MBA(IT)	T3249	IT Tools and Techniques for Business	Core	Base PS	No Change	No						
301	SICSR,	30141	MBA(IT)	T3285	Analysis of Business Case using Spreadsheets	Core	Base PS	No Change	No						
301	SICSR,	30141	MBA(IT)	T3290	Business Analysis and Modeling	Core	Base PS	Dropped	Yes						
301	SICSR,	30141	MBA(IT)	T3298	Software Quality Standards I	Core	Base PS	No Change	No						
301	SICSR,	30141	MBA(IT)	T3299	Software Quality Standards II	Core	Base PS	No Change	No						
301	SICSR,	30141	MBA(IT)	T3300	Software Quality Process and Assurance I	Core	Base PS	No Change	No						
301	SICSR,	30141	MBA(IT)	T3301	Software Quality Process and Assurance II	Core	Base PS	No Change	No						
301	SICSR,	30141	MBA(IT)	T3302	IT Solutions to Banking and Financial Markets I	Core	Base PS	No Change	No						
301	SICSR,	30141	MBA(IT)	T3303	IT solutions to Banking and Financial Markets II	Core	Base PS	No Change	No						
301	SICSR,	30141	MBA(IT)	T3305	Financial Services and Management	Core	Base PS	No Change	No						
301	SICSR,	30141	MBA(IT)	T3312	Project Management Suite	Core	Base PS	No Change	No						
301	SICSR,	30141	MBA(IT)	T3321	Web Development Framework	Core	Base PS	No Change	No						
301	SICSR,	30141	MBA(IT)	T3344	DevOps	Core	Base PS	Dropped	Yes						
301	SICSR,	30141	MBA(IT)	T3350	IT Business Analysis	Core	Base PS	Dropped	Yes						
301	SICSR,	30141	MBA(IT)			Elective		Added	Yes						
301	SICSR,	30141	MBA(IT)	T3398	Mobile Analytics	Core	Base PS	No Change	No						
301	SICSR,	30141	MBA(IT)	T3418	Advanced Vulnerability Assessment and Penetration	Core	Base PS	No Change	No						
301	SICSR,	30141	MBA(IT)	T3421	Infrastructure Security	Core	Base PS	No Change	No						
301	SICSR,	30141	MBA(IT)	T3425	Understanding LDAP	Core	Base PS	No Change	No						
301	SICSR,	30141	MBA(IT)	T3433	Introduction to Relational Database Management	Core	Base PS	Dropped	Yes						
301	SICSR,	30141	MBA(IT)	T3440	Fundamentals of Data Science	Core	Base PS	No Change	No						
301	SICSR,	30141	MBA(IT)	T3441	Web Analytics	Core	Base PS	No Change	No						
301	SICSR,	30141	MBA(IT)	T3447	Machine Learning	Core	Base PS	No Change	No						
301	SICSR,	30141	MBA(IT)	T3462	Cyber Security Analytics	Core		Added	Yes						
301	SICSR,	30141	MBA(IT)	T3490	Applied Data Analytics with Python	Core	Base PS	No Change	No						
301	SICSR,	30141	MBA(IT)	T3491	Python for Analytics	Core	Base PS	No Change	No						
301	SICSR,	30141	MBA(IT)	T3492	Internet of Things	Core	Base PS	No Change	No						
301	SICSR,	30141	MBA(IT)	T3495	Product Management	Core	Base PS	No Change	No						
301	SICSR,	30141	MBA(IT)	T3496	Software Versioning	Core	Base PS	No Change	No						
301	SICSR,	30141	MBA(IT)	T3497	Application Packaging	Core	Base PS	No Change	No						
301	SICSR,	30141	MBA(IT)	T3499	Data Analysis Using Python	Core	Base PS	No Change	No						
301	SICSR,	30141	MBA(IT)	T3500	Mastering Python for Finance	Core	Base PS	No Change	No						
301	SICSR,	30141	MBA(IT)	T3501	Python for Finance	Core	Base PS	No Change	No						
301	SICSR,	30141	MBA(IT)	T3508	Asset Liability Management (ALM) in Finance	Core	Base PS	No Change	No						
301	SICSR,	30141	MBA(IT)	T3539	Relational Algebra and Calculus	Core	Base PS	No Change	No						
301	SICSR,	30141	MBA(IT)	T3656	AI and ML for Business Management	Elective		Added	Yes						
301	SICSR,	30141	MBA(IT)	T4005	Integrated Disaster Management	Core	Base PS	No Change	No						
301	SICSR,	30141	MBA(IT)	T5518	Advanced Communication Research Methods	Core	Base PS	No Change	No						
301	SICSR,	30141	MBA(IT)	TH4272	Certificate in COVID-19 Care for the Community	Core		Added	Yes						
301	SICSR,	30141	MBA(IT)	TM2013	Trends in Digital Communication Technologies	Elective		Added	Yes						

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Institute Code	Institute Name	Program Code	Program Name	Catalog Course Code	Catalog Course Name	Course Type	Batch 2020	Batch 2021	Change in T-Code Yes / No	Change in course/Nature	Change in Pedagogy	Change in evaluation	Change in instruction method	Add on course	Changes Yes: Revised No: Not
301	SICSR,	30122	BBA(IT)	TH4272	Certificate in COVID-19 Care for the Community	Core		Added	Yes						
301	SICSR,	30141	MBA(IT)	GEN003	Internship	Core	Base PS	No Change	No						
301	SICSR,	30141	MBA(IT)	GEN005	Non Catalog Courses	Core	Base PS	Dropped	Yes						
301	SICSR,	30141	MBA(IT)	T0100	Research Publication	Core	Base PS	No Change	No						
301	SICSR,	30141	MBA(IT)	T2003	Financial Accounting	Core	Base PS	No Change	No						
301	SICSR,	30141	MBA(IT)	T2048	Mergers and Acquisitions	Core	Base PS	No Change	No						
301	SICSR,	30141	MBA(IT)	T2056	Financial Risk Management	Core	Base PS	No Change	No						
301	SICSR,	30141	MBA(IT)	T2058	Advanced Topics in Corporate Finance	Core	Base PS	No Change	No						
301	SICSR,	30141	MBA(IT)	T2067	Credit management	Core	Base PS	No Change	No						
301	SICSR,	30141	MBA(IT)	T2139	Digital Marketing	Core	Base PS	No Change	No						
301	SICSR,	30141	MBA(IT)	T2225	Research Methodology	Core	Base PS	No Change	No						
301	SICSR,	30141	MBA(IT)	T2281	Talent Acquisition	Core	Base PS	No Change	No						
301	SICSR,	30141	MBA(IT)	T2351	Technological Entrepreneurship	Core		Added	Yes						
301	SICSR,	30141	MBA(IT)	T2467	Fundamentals of Brand Management	Core	Base PS	No Change	No						
301	SICSR,	30141	MBA(IT)	T2612	Business Analytics for Marketing	Core	Base PS	No Change	No						
301	SICSR,	30141	MBA(IT)	T2613	Social Media Marketing	Core	Base PS	No Change	No						
301	SICSR,	30141	MBA(IT)	T2614	Integrated Marketing Communication	Core	Base PS	No Change	No						
301	SICSR,	30141	MBA(IT)	T2615	Marketing Strategy	Core	Base PS	No Change	No						
301	SICSR,	30141	MBA(IT)	T2683	Cloud and Big Data	Core	Base PS	Dropped	Yes						
301	SICSR,	30141	MBA(IT)	T2741	Customer Relationship Management	Core	Base PS	No Change	No						
301	SICSR,	30141	MBA(IT)	T2742	Digital Marketing	Core	Base PS	No Change	No						
301	SICSR,	30141	MBA(IT)	T2744	Services Marketing	Core	Base PS	No Change	No						
301	SICSR,	30141	MBA(IT)	T2746	Business Analytics for Marketing	Core	Base PS	No Change	No						
301	SICSR,	30141	MBA(IT)	T2821	Marketing Metrics	Core	Base PS	No Change	No						
301	SICSR,	30141	MBA(IT)	T2828	Six Sigma	Core	Base PS	No Change	No						
301	SICSR,	30141	MBA(IT)	T3012	Java SE	Core	Base PS	Dropped	Yes						
301	SICSR,	30141	MBA(IT)	T3013	Javascript	Core	Base PS	No Change	No						
301	SICSR,	30141	MBA(IT)	T3016	PHP	Core		Added	Yes						
301	SICSR,	30141	MBA(IT)	T3050	IS Risk Analysis and System Audit	Core	Base PS	No Change	No						
301	SICSR,	30141	MBA(IT)	T3055	Information Security Management	Core	Base PS	No Change	No						
301	SICSR,	30141	MBA(IT)	T3060	IT Infrastructure Essentials	Core	Base PS	No Change	No						
301	SICSR,	30141	MBA(IT)	T3061	IT Infrastructure Library	Core	Base PS	No Change	No						
301	SICSR,	30141	MBA(IT)	T3062	IT Service Management	Core	Base PS	No Change	No						
301	SICSR,	30141	MBA(IT)	T3063	Data Centre Infrastructure Management	Core	Base PS	No Change	No						
301	SICSR,	30141	MBA(IT)	T3070	Advanced Business Statistics for Decision Making	Core	Base PS	No Change	No						
301	SICSR,	30141	MBA(IT)	T3071	Basic Business Statistics for Data Analysis	Core	Base PS	No Change	No						
301	SICSR,	30141	MBA(IT)	T3072	Business Intelligence I	Core	Base PS	No Change	No						
301	SICSR,	30141	MBA(IT)	T3073	Business Intelligence II	Core	Base PS	No Change	No						
301	SICSR,	30141	MBA(IT)	T3075	E-business Management and Strategy	Core	Base PS	No Change	No						
301	SICSR,	30141	MBA(IT)	T3076	Enterprise Resource Planning	Core	Base PS	No Change	No						
301	SICSR,	30141	MBA(IT)	T3078	Principles and Practice of IT Enabled Management	Core	Base PS	No Change	No						
301	SICSR,	30141	MBA(IT)	T3086	IT Strategy	Core	Base PS	No Change	No						
301	SICSR,	30141	MBA(IT)	T3095	Requirements Management	Core	Base PS	No Change	No						
301	SICSR,	30141	MBA(IT)	T3112	Data Warehousing Applications and Data Analysis	Core	Base PS	No Change	No						
301	SICSR,	30141	MBA(IT)	T3113	Data Warehousing Architecture and Operations	Core	Base PS	No Change	No						
301	SICSR,	30141	MBA(IT)	T3114	Object Oriented Analysis Design	Core	Base PS	No Change	No						
301	SICSR,	30141	MBA(IT)	T3115	Relational Database Management System	Core		Added	Yes						
301	SICSR,	30141	MBA(IT)	T3117	Software Engineering	Core	Base PS	No Change	No						
301	SICSR,	30141	MBA(IT)	T3124	Software Verification and Validation	Core	Base PS	No Change	No						
301	SICSR,	30141	MBA(IT)	T3137	Advanced Business Process Integration	Core	Base PS	No Change	No						
301	SICSR,	30141	MBA(IT)	T3151	Technology in Business	Core	Base PS	No Change	No						
301	SICSR,	30141	MBA(IT)	T3155	ERP-Business Process Integration	Core	Base PS	No Change	No						
301	SICSR,	30141	MBA(IT)	T3172	IT-Governance	Core	Base PS	No Change	No						



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SYMBIOSIS INSTITUTE OF COMPUTER STUDIES AND RESEARCH

Symbiosis International (Deemed University)

(Established under section 3 of the UGC Act, 1956)

Re-accredited by NAAC with 'A' grade (3.58/4) | 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)



Celebrating 50 Years of Excellence

Syllabus revision AY 2020-2021 to 2021-2022

Name of the Institute : Symbiosis Institute of Computer Studies and Research

Name of the Program : Master of Business Administration (Information Technology)

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for 

Dr Sarika Sharma

Professor, MBA(IT) Program Coordinator





SYMBIOSIS INTERNATIONAL (DEEMED UNIVERSITY)

(Established under section 3 of the UGC Act 1956)

Re - accredited by NAAC with 'A' Grade

Founder: Prof. Dr. S. B. Mujumdar, MSc, Ph.D. (Awarded Padma Bhushan and Padma Shri by President of India)

SIU/U-110(SICSR,Pune)/2020/1705(A)

Date: 15/05/2020

To
The Director
Symbiosis Institute of Computer Studies & Research, Pune

Subject: Approval of the Programme Structure/s for the academic year 2020-2021

Dear Sir/Madam,

This is to inform you that the following Programme Structure has been duly approved by the Academic Council for the Academic Year 2020-2021.

Sr.No.	Programme	Batch
1	Master of Business Administration (Information Technology)	2020-2022

You may download the same using your login credentials using the link and the path mentioned-

Link: <http://eduwiz.intechsolutionspune.in/eduwiz/login.html>

Path: [Academics->Catalogue->Programme Structure-> View Course Structure -> Select Institute -> Select Academic Year -> Select Programme -> Select Batch -> Show Course Structure -> Print Programme Structure.](#)

Thanking you.

Sincerely,

Dr. Pravin Dange
Head- Academics

Copy to: Controller of Examinations, SIU



Symbiosis Institute of Computer Studies and Research, Pune
Master of Business Administration (Information Technology)
Programme Structure 2020-22

1. OBJECTIVE	<p>To prepare students in applications of information technologies to deliver software solutions.</p> <p>The program focuses on</p> <ul style="list-style-type: none"> * Imparting training in latest technologies. * Exposure to best business practices. * Building team leadership qualities and management skills <p>As programme relates to current professional practice and the work place, the students are best suited for entry-level positions as:</p> <ul style="list-style-type: none"> * 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	90			
4. RESERVATION	I. Within the sanctioned intake	a) SC (In Percentage)	b) ST (In Percentage)	c) Differently abled (In Percentage)
		15	7.5	3
	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



Symbiosis Institute of Computer Studies and Research, Pune
Master of Business Administration (Information Technology)
Programme Structure 2020-22

		Indian Students	425000	20000	445000		
		International Students (USD equivalent to INR)	640000	20000	660000		
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/ DIPLOMA/ CERTIFICATE	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. NATURE WISE DISTRIBUTION OF CREDITS							
Semester	Generic Core	Generic Elective	Specialization Core	Specialization Elective	Open Elective	Audit	Total
1	24	0	0	0	0	1*	24
2	16	0	17	0	0	0	33
3	14	0	17	0	0	1*	31
4	12	0	0	0	0	0	12
Total	66	0	34	0	0	0	100
* Satisfactory completion of the non letter- grade courses 'Integrated Disaster Management' and 'Research Publication' is mandatory for award of degree.							
The revised programme structure supersedes the previously approved programme structure dated 03/12/2020 for the programme.							

Programme Structure is approved by the Academic Council subject to its norms & conditions. Any provision in the Programme Structure which violates the basic rules & regulations is deemed to be termed "Null & Void".

Head-Academics

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Symbiosis Institute of Computer Studies and Research, Pune
Master of Business Administration (Information Technology)
Programme Structure 2020-22

Annexure A

Catalog Course Code	Course Code	Course Title	Specialization	Credit	Internal Marks	External Marks	Total Marks
Semester : 1							
Generic Core Courses							
T3012	0301410101	Java SE		4	120	80	200
T3114	0301410102	Object Oriented Analysis Design		4	120	80	200
T3117	0301410103	Software Engineering		4	120	80	200
T3071	0301410104	Basic Business Statistics for Data Analysis		2	60	40	100
T3198	0301410105	Introduction to Python		2	100	0	100
T3433	0301410106	Introduction to Relational Database Management		2	60	40	100
T3013	0301410107	Javascript		2	100	0	100
T2225	0301410108	Research Methodology		2	100	0	100
T3321	0301410109	Web Development Framework		2	100	0	100
T4005	0301410110	Integrated Disaster Management *		0	0	0	Non Letter Grade
Total				24	880	320	1200
Semester : 2							
Generic Core Courses							
T3078	0301410201	Principles and Practice of IT Enabled Management		3	90	60	150
T2683	0301410202	Cloud and Big Data		3	150	0	150
T3070	0301410203	Advanced Business Statistics for Decision Making		2	60	40	100
T3076	0301410204	Enterprise Resource Planning		2	100	0	100
T3350	0301410205	IT Business Analysis		2	60	40	100
T2281	0301410206	Talent Acquisition		2	100	0	100
T3492	0301410207	Internet of Things		2	100	0	100
Total				16	660	140	800
Specialization Core Courses : Banking and Financial Markets							
T2058	0301410208	Advanced Topics in Corporate Finance	Banking and Financial Markets	3	90	60	150
T3285	0301410209	Analysis of Business Case using Spreadsheets	Banking and Financial Markets	3	90	60	150
T3302	0301410210	IT Solutions to Banking and Financial Markets I	Banking and Financial Markets	3	90	60	150
T3508	0301410211	Asset Liability Management (ALM) in Finance	Banking and Financial Markets	3	90	60	150
T3501	0301410212	Python for Finance	Banking and Financial Markets	3	90	60	150
T2003	0301410213	Financial Accounting	Banking and Financial Markets	2	60	40	100



Celebrating 50 Years of Excellence

Symbiosis Institute of Computer Studies and Research, Pune
Master of Business Administration (Information Technology)
Programme Structure 2020-22

Annexure A

Catalog Course Code	Course Code	Course Title	Specialization	Credit	Internal Marks	External Marks	Total Marks
Total				17	510	340	850
Specialization Core Courses : Data Analytics							
T3072	0301410214	Business Intelligence I	Data Analytics	3	90	60	150
T3113	0301410215	Data Warehousing Architecture and Operations	Data Analytics	3	90	60	150
T3447	0301410216	Machine learning	Data Analytics	3	90	60	150
T3491	0301410217	Python for Analytics	Data Analytics	3	90	60	150
T3499	0301410218	Data Analysis Using Python	Data Analytics	3	90	60	150
T3539	0301410219	Relational Algebra and Calculus	Data Analytics	2	60	40	100
Total				17	510	340	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
T3060	0301410223	IT Infrastructure Essentials	IT Infrastructure Management	2	60	40	100
T3061	0301410224	IT Infrastructure Library	IT Infrastructure Management	2	60	40	100
T3225	0301410225	Network Planning and Design	IT Infrastructure Management	2	60	40	100
Total				17	510	340	850
Specialization Core Courses : Marketing							
T3075	0301410226	E-business Management and Strategy	Marketing	3	90	60	150
T2741	0301410227	Customer Relationship Management	Marketing	3	90	60	150
T2746	0301410228	Business Analytics for Marketing	Marketing	3	90	60	150
T2744	0301410229	Services Marketing	Marketing	3	90	60	150
T2742	0301410230	Digital Marketing	Marketing	3	90	60	150
T2821	0301410231	Marketing Metrics	Marketing	2	60	40	100
Total				17	510	340	850
Specialization Core Courses : Software Process Management							
T3300	0301410232	Software Quality Process and Assurance I	Software Process Management	3	90	60	150
T3298	0301410233	Software Quality Standards I	Software Process Management	3	90	60	150



Celebrating 50 Years of Excellence

Symbiosis Institute of Computer Studies and Research, Pune
Master of Business Administration (Information Technology)
Programme Structure 2020-22

Annexure A

Catalog Course Code	Course Code	Course Title	Specialization	Credit	Internal Marks	External Marks	Total Marks
T3124	0301410234	Software Verification and Validation	Software Process Management	3	90	60	150
T3495	0301410235	Product Management	Software Process Management	3	90	60	150
T3496	0301410236	Software Versioning	Software Process Management	3	90	60	150
T3312	0301410237	Project Management Suite	Software Process Management	2	60	40	100
Total				17	510	340	850
Semester : 3							
Generic Core Courses							
T3155	0301410301	ERP-Business Process Integration		3	90	60	150
T3290	0301410302	Business Analysis and Modeling		3	150	0	150
T3137	0301410303	Advanced Business Process Integration		2	60	40	100
T3249	0301410304	IT Tools and Techniques for Business		2	60	40	100
T3172	0301410305	IT-Governance		2	100	0	100
T3151	0301410306	Technology in Business		2	60	40	100
T0100	0301410307	Research Publication *		0	0	0	Non Letter Grade
Total				14	520	180	700
Specialization Core Courses : Banking and Financial Markets							
T2067	0301410308	Credit management	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
T2048	0301410311	Mergers and Acquisitions	Banking and Financial Markets	3	90	60	150
T3500	0301410312	Mastering Python for Finance	Banking and Financial Markets	3	90	60	150
T2056	0301410313	Financial Risk Management	Banking and Financial Markets	2	60	40	100
Total				17	510	340	850
Specialization Core Courses : Data Analytics							
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
T3440	0301410316	Fundamentals of Data Science	Data Analytics	3	90	60	150



Celebrating 50 Years of Excellence

Symbiosis Institute of Computer Studies and Research, Pune
Master of Business Administration (Information Technology)
Programme Structure 2020-22

Annexure A

Catalog Course Code	Course Code	Course Title	Specialization	Credit	Internal Marks	External Marks	Total Marks
T3441	0301410317	Web Analytics	Data Analytics	3	90	60	150
T3490	0301410318	Applied Data Analytics with Python	Data Analytics	3	90	60	150
T3398	0301410319	Mobile Analytics	Data Analytics	2	60	40	100
Total				17	510	340	850
Specialization Core Courses : IT Infrastructure Management							
T3063	0301410320	Data Centre Infrastructure Management	IT Infrastructure Management	3	90	60	150
T3050	0301410321	IS Risk Analysis and System Audit	IT Infrastructure Management	3	90	60	150
T3425	0301410322	Understanding LDAP	IT Infrastructure Management	3	90	60	150
T3418	0301410323	Advanced Vulnerability Assessment and Penetration Testing	IT Infrastructure Management	2	60	40	100
T3344	0301410324	DevOps	IT Infrastructure Management	2	60	40	100
T3055	0301410325	Information Security Management	IT Infrastructure Management	2	60	40	100
T3421	0301410326	Infrastructure Security	IT Infrastructure Management	2	60	40	100
Total				17	510	340	850
Specialization Core Courses : Marketing							
T2467	0301410327	Fundamentals of Brand Management	Marketing	3	90	60	150
T2614	0301410328	Integrated Marketing Communication	Marketing	3	90	60	150
T2615	0301410329	Marketing Strategy	Marketing	3	90	60	150
T2612	0301410330	Business Analytics for Marketing	Marketing	2	60	40	100
T2139	0301410331	Digital Marketing	Marketing	2	60	40	100
T2613	0301410332	Social Media Marketing	Marketing	2	60	40	100
T5518	0301410333	Advanced Communication Research Methods	Marketing	2	60	40	100
Total				17	510	340	850
Specialization Core Courses : Software Process Management							
T3086	0301410334	IT Strategy	Software Process Management	3	90	60	150
T3095	0301410335	Requirements Management	Software Process Management	3	90	60	150
T3301	0301410336	Software Quality Process and Assurance II	Software Process Management	3	90	60	150



Celebrating 50 Years of Excellence

Symbiosis Institute of Computer Studies and Research, Pune
Master of Business Administration (Information Technology)
Programme Structure 2020-22

Annexure A

Catalog Course Code	Course Code	Course Title	Specialization	Credit	Internal Marks	External Marks	Total Marks
T3299	0301410337	Software Quality Standards II	Software Process Management	3	90	60	150
T3497	0301410338	Application Packaging	Software Process Management	3	90	60	150
T2828	0301410339	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



Celebrating 50 Years of Excellence

Symbiosis Institute of Computer Studies and Research, Pune
Master of Business Administration (Information Technology)
Programme Structure 2020-22

Semester	Internal Credits	External Credits	Total Credits	Total Marks
Banking and Financial Markets				
Semester1	8	16	24	1200
Semester2	9	24	33	1650
Semester3	5	26	31	1550
Semester4	0	12	12	600
Total	22	78	100	5000
Data Analytics				
Semester1	8	16	24	1200
Semester2	9	24	33	1650
Semester3	5	26	31	1550
Semester4	0	12	12	600
Total	22	78	100	5000
IT Infrastructure Management				
Semester1	8	16	24	1200
Semester2	9	24	33	1650
Semester3	5	26	31	1550
Semester4	0	12	12	600
Total	22	78	100	5000
Marketing				
Semester1	8	16	24	1200
Semester2	9	24	33	1650
Semester3	5	26	31	1550
Semester4	0	12	12	600
Total	22	78	100	5000
Software Process Management				
Semester1	8	16	24	1200
Semester2	9	24	33	1650
Semester3	5	26	31	1550
Semester4	0	12	12	600
Total	22	78	100	5000

Vijay
 5/10/2021
 Dr. Sarika Sharma
 Prof. Head MBA-IT



First Approval Letter

head_academics@siu.edu.in <head_academics@siu.edu.in>

Wed, May 12, 2021 at 5:43 PM

To: director@sicsr.ac.in, coe@siu.edu.in, ar@siu.edu.in, head_academics@siu.edu.in, ar_academics@siu.edu.in, pradipkumar.borate@siu.edu.in



SYMBIOSIS INTERNATIONAL (DEEMED UNIVERSITY)

(Established under section 3 of the UGC Act 1956)

Re - accredited by NAAC with 'A' Grade

Founder: Prof. Dr. S. B. Mujumdar, M.Sc.,Ph.D. (Awarded Padma Bhushan and Padma Shri by President of India)

SIU/U-110(SICSR,Pune)/2021/1901

Date: 12/05/2021

To
The Director
Symbiosis Institute of Computer Studies & Research, Pune

Subject: Approval of the Programme Structure/s for the academic year 2021-2022

Dear Sir/Madam,

This is to inform you that the following Programme Structure has been duly approved by the Academic Council for the Academic Year 2021-2022.

Academic Year : 2021-2022

Sr.No.	Programme	Batch
1	Master of Business Administration (Information Technology)	2021-2023

You may download the same using your login credentials using the link and the path mentioned-

Link:

<http://eduwiz.intechsolutionspune.in/eduwiz/login.html>

Path:

Academics->Catalogue->Programme Structure-> View Course Structure -> Select Institute -> Select Academic Year -> Select Programme -> Select Batch -> Show Course Structure -> Print Programme Structure.

Thanking you.

Sincerely,



Dr. Pravin Dange
Head- Academics

Copy to: Controller of Examinations, SIU



Symbiosis Institute of Computer Studies and Research, Pune
Master of Business Administration (Digital Transformation)
Programme Structure 2021-23

1.	OBJECTIVE	1. To prepare students to lead and drive digital transformation initiatives for the business. 2. To make students understand best operational and strategic management technology drivers for the business processes. 3. To enable students to lead business transformation initiatives by understanding applications of leading technologies including AI, Cloud, Business Intelligence, and Data visualization for the organisations. 4. To prepare students to understand and design digital business models.				
2.	DURATION (IN MONTHS)	24 (Full Time)				
3.	INTAKE	30				
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		15	
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	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	
		Indian Students	550000	20000	570000	
		International Students (USD equivalent to INR)	825000	20000	845000	
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	The assessment of the student for each examination is done, based on relative				

	PASSING	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/ DIPLOMA/ CERTIFICATE	Master of Business Administration (Digital Transformation) 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	Audit	Total
1	28	0	0	0	0	2*	28
2	27	3	0	0	0	0	30
3	27	3	0	0	0	1*	30
4	12	0	0	0	0	0	12
Total	94	6	0	0	0	0	100
* Satisfactory completion of the non letter grade courses 'Integrated Disaster Management', 'Research Publication' 'Certificate in COVID-19 Care for the Community' is mandatory for award of degree.							
The revised programme structure supersedes the previously approved programme structure dated 27/01/2022 for the programme.							

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.

Head - Academics

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Celebrating 50 Years of Excellence

Symbiosis Institute of Computer Studies and Research, Pune
Master of Business Administration (Digital Transformation)
Programme Structure 2021-23

Annexure A

Catalog Course Code	Course Code	Course Title	Specialization	Credit	Internal Marks	External Marks	Total Marks
Semester : 1							
Generic Core Courses							
T3665	0301440101	Business Analytics		4	120	80	200
T2036	0301440102	Financial Management		3	90	60	150
T2742	0301440103	Digital Marketing		3	90	60	150
T3682	0301440104	Business Agile Practices		3	90	60	150
T3677	0301440105	Digital Business Models		3	90	60	150
T3676	0301440106	Electronic Customer Relationship Management		3	90	60	150
T2216	0301440107	Business Statistics		2	60	40	100
T2843	0301440108	Research Methodology		2	60	40	100
TM2031	0301440109	Internet of Things		2	60	40	100
T3662	0301440110	Web Design Technologies		2	60	40	100
T2219	0301440111	Operations Research		1	50	0	50
T4005	0301440112	Integrated Disaster Management *		0	0	0	Non Letter Grade
TH4272	0301440113	Certificate in COVID-19 Care for the Community *		0	0	0	Non Letter Grade
Total				28	860	540	1400
Semester : 2							
Generic Core Courses							
T6850	0301440201	Python for Data Science		4	200	0	200
T3673	0301440202	Enterprise Resource Planning and Supply Chain Management		4	120	80	200
T3674	0301440203	Cloud Applications for Business Processes		4	120	80	200
T2618	0301440204	Project Management		3	90	60	150
T2758	0301440205	Talent Acquisition and Retention		3	90	60	150
T3664	0301440206	Data Management and Visualization		3	90	60	150
T3672	0301440207	Blockchain and It's Applications		3	90	60	150
T3667	0301440208	Digital transformation in Health Care		3	90	60	150
Total				27	890	460	1350
Generic Elective Courses Group							
T3431	0301440209	DevOps Services		3	90	60	150
T3499	0301440210	Data Analysis Using Python		3	90	60	150
T3666	0301440211	AI Applications in Business		3	90	60	150
Total Required Credits				3	90	60	150



Symbiosis Institute of Computer Studies and Research, Pune
Master of Business Administration (Digital Transformation)
Programme Structure 2021-23

Annexure A

Catalog Course Code	Course Code	Course Title	Specialization	Credit	Internal Marks	External Marks	Total Marks
Semester : 3							
Generic Core Courses							
T2529	0301440301	Production/Operations management		4	200	0	200
T3675	0301440302	Business Intelligence		3	90	60	150
T3668	0301440303	Digital Branding and Promotion with Social Media		3	90	60	150
T3679	0301440304	Digital Audit and Quality Control		3	90	60	150
T3670	0301440305	Digital Transformation Frameworks		3	90	60	150
T3671	0301440306	Smart Industries and Digital Trends		3	90	60	150
T2397	0301440307	International Business and Global Strategy		2	60	40	100
T3525	0301440308	System Dynamics		2	60	40	100
T2561	0301440309	Business Ethics		2	100	0	100
T3678	0301440310	Regulatory Perspectives for Digital Business		2	60	40	100
T0100	0301440311	Research Publication *		0	0	0	Non Letter Grade
Total				27	930	420	1350
Generic Elective Courses Group							
T3309	0301440312	Big Data Analytics		3	90	60	150
T3490	0301440313	Applied Data Analytics with Python		3	90	60	150
T3669	0301440314	Applications of Augmented Reality and Technology Trends		3	90	60	150
Total Required Credits				3	90	60	150
Semester : 4							
Generic Core Courses							
T3912	0301440401	Industry Internship		12	360	240	600
Total				12	360	240	600



Celebrating 50 Years of Excellence

Symbiosis Institute of Computer Studies and Research, Pune
Master of Business Administration (Digital Transformation)
Programme Structure 2021-23

Semester	Internal Credits	External Credits	Total Credits	Total Marks
Semester 1	1	27	28	1400
Semester 2	4	26	30	1500
Semester 3	6	24	30	1500
Semester 4	0	12	12	600
Total	11	89	100	5000