



**Symbiosis Centre for Management and Human Resource Development,  
Pune**

**Master of Business Administration (Infrastructure Development and  
Management)**

**Programme Structure 2019-21**

1.	<b>OBJECTIVE</b>	Structure technically, commercially, financially, socially and environmentally feasible projects within the regulatory framework and governance structure. Ensure effective and efficient management of project's execution, contractual relationships with different stakeholders and Project life cycle risks. Lead project business development successfully. Ability to make it happen.			
2.	<b>DURATION (IN MONTHS)</b>	24 (Full Time)			
3.	<b>INTAKE</b>	40			
4.	<b>RESERVATION</b>	<b>I. Within the sanctioned intake</b>	<b>a) SC (In Percentage)</b>	<b>b) ST (In Percentage)</b>	<b>c) Differently abled (In Percentage)</b>
			15	7.5	3
		<b>II. Over and above the sanctioned intake</b>	<b>a) Kashmiri Migrants (In Seats)</b>	<b>b) International Students (In Percentage)</b>	
			2	15	
5.	<b>ELIGIBILITY</b>	Bachelor of Architecture or Bachelor of Engineering/ Technology in Aeronautical Engineering/ Agriculture Engineering/ Planning/ Civil Engineering/ Environment Engineering/ Water Resources/ Environment/ Chemical Engineering/ Oil and Paint Technology/ Petrochemical Engineering/ Plastic and Polymer Technology/ Electrical Engineering/ Energy Engineering/ Electronics Engineering/ Electronics and Communication Engineering/ Instrumentation Engineering/ Mechatronics Engineering/ medical Electronics/ Mechanical Engineering/ Production Engineering/ Automobile Engineering/ Industrial Engineering/ Fire and Safety Engineering/ Marine Engineering/ Metallurgy Engineering/ Mining Engineering from any recognized University/ Institution of National Importance with a minimum of 50% marks or equivalent grade [45% marks or equivalent grade for Scheduled Castes (SC)/ Scheduled Tribes (ST) candidates].			
6.	<b>SELECTION PROCEDURE</b>	Symbiosis National Aptitude Test Score, Group Exercise Personal Interaction and writing Ability Test (GE PIWAT)			
7.	<b>MEDIUM OF INSTRUCTION</b>	English			
8.	<b>PROGRAMME PATTERN</b>	Semester			
9.	<b>COURSE &amp; SPECIALIZATION</b>	As per Annexure A			
10.	<b>FEE</b>		<b>Academic Fee p.a</b>	<b>Institute Deposit</b>	<b>Total</b>
		<b>Indian Students</b>	560000	20000	580000
		<b>International Students (USD equivalent to INR)</b>	840000	20000	860000

11.	<b>ASSESSMENT</b>	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.	<b>STANDARD OF PASSING</b>	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.	<b>AWARD OF DEGREE/ DIPLOMA/ CERTIFICATE</b>	Master of Business Administration (Infrastructure Development and Management) will be awarded at the end of semester IV examination by taking into consideration the performance of all semester examinations after obtaining minimum 4 CGPA out of 10 CGPA.

**14. NATURE WISE DISTRIBUTION OF CREDITS**

Semester	Generic Core	Generic Elective	Specialization Core	Specialization Elective	Open Elective	Audit	Total
1	28	2	0	0	0	1*	30
2	30	0	0	0	0	0	30
3	16	12	0	0	0	0	28
4	7	5	0	0	0	1*	12
<b>Total</b>	<b>81</b>	<b>19</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>100</b>

\* 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 21/12/2020 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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**Annexure A**

Catalog Course Code	Course Code	Course Title	Specialization	Credit	Internal Marks	External Marks	Total Marks
<b>Semester : 1</b>							
<b>Generic Core Courses</b>							
T2705	020344101	Infrastructure Planning and Development		3	90	60	150
T2239	020344102	Business Communication		2	100	0	100
T2216	020344103	Business Statistics		2	60	40	100
T2572	020344104	Human Resource Management		2	60	40	100
T2423	020344105	Introduction to Power Sector		2	60	40	100
T2777	020344106	Management Accounting		2	60	40	100
T2443	020344107	Oil and Gas Economies		2	60	40	100
T2573	020344108	Organizational Behaviour		2	60	40	100
T2193	020344109	Project Management		2	100	0	100
T2431	020344110	Tendering, Bidding and Contracting		2	60	40	100
T6075	020344111	Managerial Economics		2	60	40	100
T2237	020344112	Corporate Social Responsibility		1	50	0	50
T2771	020344113	Marketing for Infrastructure and Sustainability		1	50	0	50
T2772	020344114	Operations Management for Infrastructure		1	50	0	50
T2224	020344115	Research Methodology		1	50	0	50
T2801	020344116	Project		1	50	0	50
T4005	020344117	Integrated Disaster Management *		0	0	0	Non Letter Grade
<b>Total</b>				<b>28</b>	<b>1020</b>	<b>380</b>	<b>1400</b>
<b>Generic Elective Courses Group</b>							
T6012	020344118	Basic German I		2	100	0	100
T6014	020344119	Basic French I		2	100	0	100
T6016	020344120	Basic Spanish I		2	100	0	100
T6018	020344121	Basic Chinese I		2	100	0	100
<b>Total Required Credits</b>				<b>2</b>	<b>100</b>	<b>0</b>	<b>100</b>
<b>Semester : 2</b>							
<b>Generic Core Courses</b>							
T2675	020344201	Project Feasibility and Financing		3	90	60	150
T2816	020344202	Renewable Energy Sources and Technologies		3	90	60	150
T2707	020344203	Roads, Highways and Bridges		3	90	60	150



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T2436	020344204	Contracts and Claims Management		2	60	40	100
T2402	020344205	Infrastructure Policy & Reforms		2	60	40	100
T2035	020344206	Introduction to Financial Management		2	60	40	100
T2220	020344207	Operations Research		2	60	40	100
T2062	020344208	Project Cost Management and Social Cost Benefit Analysis		2	60	40	100
T3312	020344209	Project Management Suite		2	100	0	100
T2827	020344210	Supply Chain Management		2	60	40	100
T2432	020344211	Urban Infrastructure		2	60	40	100
T2802	020344212	Project		2	100	0	100
T2227	020344213	Business Analytics		2	100	0	100
T3152	020344214	Advanced Excel		1	50	0	50
<b>Total</b>				<b>30</b>	<b>1040</b>	<b>460</b>	<b>1500</b>
<b>Semester : 3</b>							
<b>Generic Core Courses</b>							
T2906	020344301	Summer Internship		6	180	120	300
T2440	020344302	Advanced Contract Management		2	60	40	100
T2715	020344303	City Housing, Townships and Smart Cities		2	60	40	100
T2438	020344304	Project Risk Management		2	60	40	100
T2444	020344305	Public Private Partnerships		2	60	40	100
T2714	020344306	Urban Transportation and Metro Rail System		2	100	0	100
<b>Total</b>				<b>16</b>	<b>520</b>	<b>280</b>	<b>800</b>
<b>Generic Elective Courses Group</b>							
T2059	020344307	Advanced Corporate Finance		2	60	40	100
T2060	020344308	Advanced Project Feasibility and Financial Engineering		2	60	40	100
T2061	020344309	Advanced Project Finance Structuring		2	60	40	100
T2421	020344310	EPC Project Procurement and Commissioning		2	60	40	100
T2498	020344311	Financial Statement Analysis		2	60	40	100
T2159	020344312	International Trade and Logistics		2	60	40	100



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T2437	020344313	Project Execution Planning and Control		2	60	40	100
T2439	020344314	Project Site Management		2	60	40	100
T2428	020344315	Safety and Quality Management		2	60	40	100
<b>Total Required Credits</b>				<b>12</b>	<b>360</b>	<b>240</b>	<b>600</b>
<b>Semester : 4</b>							
<b>Generic Core Courses</b>							
T2473	020344401	International Projects and Marketing		2	60	40	100
T2653	020344402	Climate Change and Infrastructure		1	50	0	50
T2595	020344403	Concepts and Applications in Sustainability		1	50	0	50
T2708	020344404	Infrastructure Consultancy Management		1	50	0	50
T2801	020344405	Project - I		1	50	0	50
T2430	020344406	Taxation for Infrastructure Projects		1	50	0	50
T0100	020344416	Research Publication *		0	0	0	Non Letter Grade
<b>Total</b>				<b>7</b>	<b>310</b>	<b>40</b>	<b>350</b>
<b>Generic Elective Courses Group</b>							
T2447	020344407	Transmission and Distribution Management		2	100	0	100
T2448	020344408	Urban and Industrial Waste Management		2	100	0	100
T6080	020344409	Transportation Economics		2	100	0	100
TM2050	020344410	Infrastructural Analytics		2	100	0	100
TM2049	020344411	Airport Development and Management		2	100	0	100
T2813	020344412	Infrastructural Environmental Impact Assessment		1	50	0	50
T2710	020344413	Land Acquisition and Rehabilitation		1	50	0	50
T2706	020344414	LNG and Cross Country Pipeline Networks		1	50	0	50
T2709	020344415	Railways and Freight Corridor Development		1	50	0	50
<b>Total Required Credits</b>				<b>5</b>	<b>250</b>	<b>0</b>	<b>250</b>



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<b>Audit Courses</b>							
T2059	020344417	Advanced Corporate Finance		0	0	0	Non Letter Grade
T2060	020344418	Advanced Project Feasibility and Financial Engineering		0	0	0	Non Letter Grade
T2061	020344419	Advanced Project Finance Structuring		0	0	0	Non Letter Grade
T2498	020344420	Financial Statement Analysis		0	0	0	Non Letter Grade
T2421	020344421	EPC Project Procurement and Commissioning		0	0	0	Non Letter Grade
T2159	020344422	International Trade and Logistics		0	0	0	Non Letter Grade
T2439	020344423	Project Site Management		0	0	0	Non Letter Grade
T2428	020344424	Safety and Quality Management		0	0	0	Non Letter Grade
T2448	020344425	Urban and Industrial Waste Management		0	0	0	Non Letter Grade
T6080	020344426	Transportation Economics		0	0	0	Non Letter Grade
TM2050	020344427	Infrastructural Analytics		0	0	0	Non Letter Grade
TM2049	020344428	Airport Development and Management		0	0	0	Non Letter Grade
T2813	020344429	Infrastructure Environment Impact Assessment		0	0	0	Non Letter Grade
T2710	020344430	Land Acquisition and Rehabilitation		0	0	0	Non Letter Grade



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Semester	Internal Credits	External Credits	Total Credits	Total Marks
Semester1	11	19	30	1500
Semester2	7	23	30	1500
Semester3	2	26	28	1400
Semester4	10	2	12	600
<b>Total</b>	<b>30</b>	<b>70</b>	<b>100</b>	<b>5000</b>