



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

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

**Programme Structure 2020-22**

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>	60			
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>	590000	20000	610000
		<b>International Students (USD equivalent to INR)</b>	885000	20000	905000

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.	<b>NATURE WISE DISTRIBUTION OF CREDITS</b>						
Semester	Generic Core	Generic Elective	Specialization Core	Specialization Elective	Open Elective	Audit	Total
1	29	2	0	0	0	1*	31
2	31	0	0	0	0	0	31
3	14	12	0	0	0	1*	26
4	7	5	0	0	0	0	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.							

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	0203440101	Infrastructure Planning and Development		3	90	60	150
T2239	0203440102	Business Communication		2	100	0	100
T2216	0203440103	Business Statistics		2	60	40	100
T2572	0203440104	Human Resource Management		2	60	40	100
T2423	0203440105	Introduction to Power Sector		2	60	40	100
T2777	0203440106	Management Accounting		2	60	40	100
T2443	0203440107	Oil and Gas Economies		2	60	40	100
T2573	0203440108	Organizational Behaviour		2	60	40	100
T2193	0203440109	Project Management		2	100	0	100
T2431	0203440110	Tendering, Bidding and Contracting		2	60	40	100
T6075	0203440111	Managerial Economics		2	60	40	100
T2653	0203440112	Climate Change and Infrastructure		1	50	0	50
T2237	0203440113	Corporate Social Responsibility		1	50	0	50
T2771	0203440114	Marketing for Infrastructure and Sustainability		1	50	0	50
T2772	0203440115	Operations Management for Infrastructure		1	50	0	50
T2801	0203440116	Project - I		1	50	0	50
T2224	0203440117	Research Methodology		1	50	0	50
T4005	0203440118	Integrated Disaster Management *		0	0	0	Non Letter Grade
<b>Total</b>				<b>29</b>	<b>1070</b>	<b>380</b>	<b>1450</b>
<b>Generic Elective Courses Group</b>							
T6012	0203440119	Basic German I		2	100	0	100
T6014	0203440120	Basic French I		2	100	0	100
T6016	0203440121	Basic Spanish I		2	100	0	100
T6018	0203440122	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	0203440201	Project Feasibility and Financing		3	90	60	150
T2816	0203440202	Renewable Energy Sources and Technologies		3	90	60	150
T2707	0203440203	Roads, Highways and Bridges		3	90	60	150
T2436	0203440204	Contracts and Claims Management		2	60	40	100
T2402	0203440205	Infrastructure Policy & Reforms		2	60	40	100
T2035	0203440206	Introduction to Financial Management		2	60	40	100
T2220	0203440207	Operations Research		2	60	40	100
T2062	0203440208	Project Cost Management and Social Cost Benefit Analysis		2	60	40	100
T3312	0203440209	Project Management Suite		2	100	0	100
T2827	0203440210	Supply Chain Management		2	60	40	100
T2432	0203440211	Urban Infrastructure		2	60	40	100
T6080	0203440212	Transportation Economics		2	60	40	100
F0002	0203440213	Flexi-Credit Course		2	100	0	100
T3152	0203440214	Advanced Excel		1	50	0	50
T2708	0203440215	Infrastructure Consultancy Management		1	50	0	50
<b>Total</b>				<b>31</b>	<b>1050</b>	<b>500</b>	<b>1550</b>
<b>Semester : 3</b>							
<b>Generic Core Courses</b>							
T2906	0203440301	Summer Internship		6	180	120	300



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T2440	0203440302	Advanced Contract Management		2	60	40	100
T2438	0203440303	Project Risk Management		2	60	40	100
T2444	0203440304	Public Private Partnerships		2	60	40	100
F0002	0203440305	Flexi-Credit Course		2	100	0	100
T0100	0203440306	Research Publication *		0	0	0	Non Letter Grade
<b>Total</b>				<b>14</b>	<b>460</b>	<b>240</b>	<b>700</b>
<b>Generic Elective Courses Group</b>							
T2060	0203440307	Advanced Project Feasibility and Financial Engineering		2	60	40	100
T2061	0203440308	Advanced Project Finance Structuring		2	60	40	100
T2498	0203440309	Financial Statement Analysis		2	60	40	100
T2439	0203440310	Project Site Management		2	60	40	100
T2059	0203440311	Advanced Corporate Finance		2	60	40	100
T2428	0203440312	Safety and Quality Management		2	60	40	100
T2437	0203440313	Project Execution Planning and Control		2	60	40	100
T2421	0203440314	EPC Project Procurement and Commissioning		2	60	40	100
T2159	0203440315	International Trade and Logistics		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>							
T2715	0203440401	City Housing, Townships and Smart Cities		2	60	40	100
F0002	0203440402	Flexi-Credit Course		2	100	0	100
T2595	0203440403	Concepts and Applications in Sustainability		1	50	0	50
T2710	0203440404	Land Acquisition and Rehabilitation		1	50	0	50
T2430	0203440405	Taxation for Infrastructure Projects		1	50	0	50
<b>Total</b>				<b>7</b>	<b>310</b>	<b>40</b>	<b>350</b>
<b>Generic Elective Courses Group</b>							
T2448	0203440406	Urban and Industrial Waste Management		2	100	0	100
T2447	0203440407	Transmission and Distribution Management		2	100	0	100
T2473	0203440408	International Projects and Marketing		2	100	0	100
F0002	0203440409	Flexi-Credit Course		2	100	0	100
F0002	0203440410	Flexi-Credit Course		2	100	0	100
T2706	0203440411	LNG and Cross Country Pipeline Networks		1	50	0	50
T2709	0203440412	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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Semester	Internal Credits	External Credits	Total Credits	Total Marks
Semester1	12	19	31	1550
Semester2	6	25	31	1550
Semester3	2	24	26	1300
Semester4	10	2	12	600
<b>Total</b>	<b>30</b>	<b>70</b>	<b>100</b>	<b>5000</b>