

**Symbiosis Centre for Management and Human Resource Development,  
Pune**  
**Master of Business Administration (Infrastructure Management)**  
**Programme Structure 2018-20**

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>	534000	20000	554000
		<b>International Students (USD equivalent to INR)</b>	800000	20000	820000

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 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	27	2	0	0	0	1*	29
2	34	0	0	0	0	0	34
3	16	12	0	0	0	0	28
4	4	5	0	0	0	0	9
<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 is mandatory for award of degree.							
The revised programme structure supersedes the previously approved programme structure dated 30/12/2019 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

**Symbiosis Centre for Management and Human Resource Development,  
Pune  
Master of Business Administration (Infrastructure Management)  
Programme Structure 2018-20**

**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>							
T2573	020342104	Organizational Behaviour		2	60	40	100
T2572	020342105	Human Resource Management		2	60	40	100
T6075	020342103	Managerial Economics		2	60	40	100
T2193	020342102	Project Management		2	100	0	100
T2003	020342106	Financial Accounting		2	60	40	100
T2771	020342107	Marketing for Infrastructure and Sustainability		1	50	0	50
T2772	020342108	Operations Management for Infrastructure		1	50	0	50
T2216	020342101	Business Statistics		2	100	0	100
T2220	020342109	Operations Research		2	60	40	100
T2239	020342113	Business Communication		2	100	0	100
T2705	020342110	Infrastructure Planning and Development		3	90	60	150
T2431	020342111	Tendering, Bidding and Contracting		2	60	40	100
T2237	020342112	Corporate Social Responsibility		1	50	0	50
T4005	020342121	Integrated Disaster Management *		0	0	0	Letter Grade
T2224	020342114	Research Methodology		1	50	0	50
T2653	020342115	Climate Change and Infrastructure		1	50	0	50
T2801	020342116	Project		1	50	0	50
<b>Total</b>				<b>27</b>	<b>1050</b>	<b>300</b>	<b>1350</b>
<b>Generic Elective Courses Group</b>							
T6012	020342117	Basic German I		2	100	0	100
T6014	020342118	Basic French I		2	100	0	100
T6016	020342119	Basic Spanish I		2	100	0	100
T6018	020342120	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>							
T2444	020342201	Public Private Partnerships		2	60	40	100
T3312	020342202	Project Management Suite		2	100	0	100
T2227	020342203	Business Analytics		2	60	40	100
T2707	020342204	Roads, Highways and Bridges		3	90	60	150
T2402	020342205	Infrastructure Policy & Reforms		2	60	40	100
T2827	020342212	Supply Chain Management		2	60	40	100
T2675	020342206	Project Feasibility and Financing		3	90	60	150
T2436	020342207	Contracts and Claims Management		2	60	40	100
T2423	020342208	Introduction to Power Sector		2	60	40	100
T2473	020342209	International Projects and Marketing		2	60	40	100
T2432	020342210	Urban Infrastructure		2	60	40	100
T2035	020342211	Introduction to Financial Management		2	60	40	100
T3152	020342213	Advanced Excel		1	50	0	50
T2816	020342214	Renewable Energy Sources and Technologies		3	90	60	150
T2443	020342215	Oil and Gas Economies		2	60	40	100
T2802	020342216	Project		2	60	40	100
<b>Total</b>				<b>34</b>	<b>1080</b>	<b>620</b>	<b>1700</b>
<b>Semester : 3</b>							
<b>Generic Core Courses</b>							
T2813	020342301	Infrastructural Environmental Impact Assessment		1	50	0	50
T2419	020342302	Aviation and Port Management		2	60	40	100

**Symbiosis Centre for Management and Human Resource Development,  
Pune  
Master of Business Administration (Infrastructure Management)  
Programme Structure 2018-20**

**Annexure A**

Catalog Course Code	Course Code	Course Title	Specialization	Credit	Internal Marks	External Marks	Total Marks
T2438	020342303	Project Risk Management		2	60	40	100
T2062	020342304	Project Cost Management and Social Cost Benefit Analysis		2	60	40	100
T2440	020342305	Advanced Contract Management		2	60	40	100
T2906	020342306	Summer Internship		6	180	120	300
T2801	020342307	Project		1	50	0	50
<b>Total</b>				<b>16</b>	<b>520</b>	<b>280</b>	<b>800</b>
<b>Generic Elective Courses Group</b>							
T2498	020342311	Financial Statement Analysis		2	60	40	100
T2059	020342310	Advanced Corporate Finance		2	60	40	100
T2060	020342308	Advanced Project Feasibility and Financial Engineering		2	60	40	100
T2061	020342309	Advanced Project Finance Structuring		2	60	40	100
T2428	020342312	Safety and Quality Management		2	60	40	100
T2437	020342313	Project Execution Planning and Control		2	60	40	100
T2421	020342314	EPC Project Procurement and Commissioning		2	60	40	100
T2439	020342315	Project Site Management		2	60	40	100
T2159	020342316	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>							
T2595	020342401	Concepts and Applications in Sustainability		1	50	0	50
T2708	020342402	Infrastructure Consultancy Management		1	50	0	50
T2430	020342403	Taxation for Infrastructure Projects		1	50	0	50
T2801	020342404	Project - I		1	50	0	50
<b>Total</b>				<b>4</b>	<b>200</b>	<b>0</b>	<b>200</b>
<b>Generic Elective Courses Group</b>							
T6080	020342405	Transportation Economics		2	100	0	100
T2714	020342406	Urban Transportation and Metro Rail System		2	100	0	100
T2709	020342407	Railways and Freight Corridor Development		1	50	0	50
T2448	020342408	Urban and Industrial Waste Management		2	100	0	100
T2715	020342409	City Housing, Townships and Smart Cities		2	100	0	100
T2710	020342410	Land Acquisition and Rehabilitation		1	50	0	50
T2447	020342411	Transmission and Distribution Management		2	100	0	100
T2425	020342412	Oil and Gas-Processing and Distribution		2	100	0	100
T2706	020342413	LNG and Cross Country Pipeline Networks		1	50	0	50
<b>Total Required Credits</b>				<b>5</b>	<b>250</b>	<b>0</b>	<b>250</b>
<b>GIP</b>							
G2001	020342414	Global Immersion Programme		1	0	50	50
<p>Note: For students under Global Immersion Programme (020342414), course "Project - I" (020342404) will be waived off.</p>							
<b>Audit Courses</b>							
T6080	020342415	Transportation Economics		0	0	0	Letter Grade

**Symbiosis Centre for Management and Human Resource Development,  
Pune  
Master of Business Administration (Infrastructure Management)  
Programme Structure 2018-20**

**Annexure A**

Catalog Course Code	Course Code	Course Title	Specialization	Credit	Internal Marks	External Marks	Total Marks
T2715	020342416	City Housing, Townships and Smart Cities		0	0	0	Letter Grade

**Symbiosis Centre for Management and Human Resource  
Development, Pune  
Master of Business Administration (Infrastructure Management)  
Programme Structure 2018-20**

Semester	Internal Credits	External Credits	Total Credits	Total Marks
Semester1	14	15	29	1450
Semester2	3	31	34	1700
Semester3	2	26	28	1400
Semester4	9	0	9	450
<b>Total</b>	<b>28</b>	<b>72</b>	<b>100</b>	<b>5000</b>