



**Symbiosis Centre for Management and Human Resource
Development, Pune**
**Master of Business Administration (Infrastructure Development
and Management)**
Programme Structure 2022-24

1.	OBJECTIVE	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.	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)
			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	a) Graduation in any Engineering stream (B.E. or B.Tech.); Bachelor of Architecture (B.Arch.) or Bachelor of Planning (B.Plan.) 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]. b) Preference will be given to Candidates with relevant work experience.			
6.	SELECTION PROCEDURE	Symbiosis National Aptitude Test Score, 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	640000	20000	660000
		International Students (USD equivalent to INR)	960000	20000	980000
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 (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. CLASSIFICATION OF CREDITS

Semester	Generic Core	Generic Elective	Specialization Core	Specialization Elective	Open Elective	Audit	Total
1	31	0	0	0	0	1*	31
2	25	4	0	0	0	0	29
3	24	4	0	0	0	0	28
4	12	0	0	0	0	0	12
Total	92	8	0	0	0	0	100

* Satisfactory completion of the non letter grade course 'Integrated Disaster Management' is mandatory for award of degree.

The revised programme structure supersedes the previously approved programme structure dated 05/08/2023 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.

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							
Generic Core Courses							
T2239	0203440101	Business Communication		2	60	40	100
T2216	0203440102	Business Statistics		2	60	40	100
T2423	0203440103	Introduction to Power Sector		2	60	40	100
T2777	0203440104	Management Accounting		2	60	40	100
T2443	0203440105	Oil and Gas Economies		2	60	40	100
T2193	0203440106	Project Management		2	100	0	100
T2431	0203440107	Tendering, Bidding and Contracting		2	60	40	100
T6075	0203440108	Managerial Economics		2	60	40	100
T2237	0203440109	Corporate Social Responsibility		1	50	0	50
T2802	0203440110	Project I		2	100	0	100
T2705	0203440111	Infrastructure Planning and Development		3	90	60	150
T2573	0203440112	Organizational Behaviour		2	60	40	100
T2572	0203440113	Human Resource Management		2	60	40	100
T2707	0203440114	Roads, Highways and Bridges		3	90	60	150
T2653	0203440115	Climate Change and Infrastructure		1	50	0	50
T2224	0203440116	Research Methodology		1	50	0	50
T4005	0203440117	Integrated Disaster Management *		0	0	0	Non - Letter Grade
Total				31	1070	480	1550
Semester : 2							
Generic Core Courses							
T2710	0203440201	Land Acquisition and Rehabilitation		1	50	0	50
T2816	0203440202	Renewable Energy Sources and Technologies		3	90	60	150
T2436	0203440203	Contracts and Claims Management		2	60	40	100
T2063	0203440204	Project Feasibility and Financing		2	60	40	100
T2035	0203440205	Introduction to Financial Management		2	60	40	100
T2220	0203440206	Operations Research		2	60	40	100
T2437	0203440207	Project Execution Planning and Control		2	60	40	100
T3312	0203440208	Project Management Suite		2	60	40	100
T2827	0203440209	Supply Chain Management		2	60	40	100
TM2051	0203440210	Infrastructure Research Methods		2	100	0	100
T6080	0203440211	Transportation Economics		2	60	40	100
T2444	0203440212	Public Private Partnerships		2	60	40	100
T3152	0203440213	Advanced Excel		1	50	0	50
Total				25	830	420	1250
Generic Elective Courses Group							
T2440	0203440214	Advanced Contract Management		2	100	0	100
TM2090	0203440215	Litigation and Arbitration in Infrastructure and Real Estate Projects		2	100	0	100
T2439	0203440216	Project Site Management		2	100	0	100
T2062	0203440217	Project Cost Management and Social Cost Benefit Analysis		2	100	0	100
T2043	0203440218	Security Analysis and Portfolio Management		2	100	0	100
Total Required Credits				4	200	0	200
Semester : 3							
Generic Core Courses							
T2906	0203440301	Summer Internship		6	180	120	300
TM2050	0203440302	Infrastructural Analytics		2	100	0	100
T2438	0203440303	Project Risk Management		2	60	40	100
T2165	0203440304	Lean Six Sigma		2	60	40	100
T2428	0203440305	Safety and Quality Management		2	60	40	100
T2061	0203440306	Advanced Project Finance Structuring		2	60	40	100
T2498	0203440307	Financial Statement Analysis		2	60	40	100
T2159	0203440308	International Trade and Logistics		2	60	40	100
T2169	0203440309	Warehouse Management		2	60	40	100
T2059	0203440310	Advanced Corporate Finance		2	60	40	100
Total				24	760	440	1200
Generic Elective Courses Group							
T2425	0203440311	Oil and Gas-Processing and Distribution		2	100	0	100
T2447	0203440312	Transmission and Distribution Management		2	100	0	100
TM2087	0203440313	Public Private Partnership (PPP) in Railways		1	50	0	50
TM2089	0203440314	Energy Transitions		2	100	0	100
TM2092	0203440315	Real Estate Rules and Regulations		2	100	0	100
TM2093	0203440316	Introduction, Design and Financing of Real Estate Projects		2	100	0	100
T2715	0203440317	City Housing, Townships and Smart Cities		2	100	0	100
TM2091	0203440318	Electric Vehicle (EV) Mobility and Business		1	50	0	50



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Catalog Course Code	Course Code	Course Title	Specialization	Credit	Internal Marks	External Marks	Total Marks
T2421	0203440319	EPC Project Procurement and Commissioning		2	100	0	100
T2714	0203440320	Urban Transportation and Metro Rail System		2	100	0	100
Total Required Credits				4	200	0	200
Semester : 4							
Generic Core Courses							
T2595	0203440401	Concepts and Applications in Sustainability		1	50	0	50
T2430	0203440402	Taxation for Infrastructure Projects		1	50	0	50
T2473	0203440403	International Projects and Marketing		2	60	40	100
TM2049	0203440404	Airport Development and Management		2	100	0	100
T2802	0203440405	Research Project		2	100	0	100
T2447	0203440406	Transmission and Distribution Management		2	100	0	100
T2432	0203440407	Urban Infrastructure		2	60	40	100
Total				12	520	80	600



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Semester	Internal Credits	External Credits	Total Credits	Total Marks
Semester 1	7	24	31	1550
Semester 2	8	21	29	1450
Semester 3	6	22	28	1400
Semester 4	8	4	12	600
Total	29	71	100	5000