

**SYMBIOSIS CENTRE FOR MANAGEMENT AND HUMAN RESOURCE  
DEVELOPMENT MASTER OF BUSINESS ADMINISTRATION  
(INFRASTRUCTURE MANAGEMENT)  
PROGRAMME STRUCTURE 2017-19**

- |                                 |   |
|---------------------------------|---|
| <b>1. OBJECTIVE</b>             | <ol style="list-style-type: none"> <li>1. Structure technically, commercially, financially, socially and environmentally feasible projects within the regulatory framework and governance structure</li> <li>2. Ensure effective and efficient management of Project's Execution, Contractual relationships with different stakeholders and Project life cycle risks</li> <li>3. Lead Project business Development successfully</li> <li>4. Ability to "Make it happen"</li> </ol>  |
| <b>2. DURATION</b>              | Two Years Full Time   |
| <b>3. INTAKE</b>                | 40 Students   |
| <b>4. RESERVATION</b>           | <p>I. Within the sanctioned intake:</p> <ol style="list-style-type: none"> <li>a) Scheduled Castes - 15 %</li> <li>b) Scheduled Tribes – 7.5%</li> <li>c) Differently Abled - 3%</li> </ol> <p>II. Over and above the sanctioned intake</p> <ol style="list-style-type: none"> <li>a) Kashmiri Migrants - 2 Seats</li> <li>b) International Students – 15%</li> </ol>   |
| <b>5. ELIGIBILITY</b>           | <p>Candidate should be an Engineering Graduate (B.E./ B.Tech.) from any statutory university with a minimum of 50% aggregate marks (45% for SC/ ST) in the disciplines of Civil/ Mechanical/ Electrical/ Oil and Gas/ Power/ Infrastructure/ Power Engineering/ Construction Technology/ Petroleum Engineering/ Production Engineering (Mechanical and Automation disciplines only)/ Production Sandwich/ Electronics &amp; Instrumentation Engineering. Candidates appearing for final year examinations can also apply, but their admission will be subject to obtaining a minimum of 50% aggregate marks (45% for SC/ ST) at qualifying examination.</p> |
| <b>6. SELECTION PROCEDURE</b>   | Symbiosis National Aptitude Test Score, Group Exercise Personal Interaction and writing Ability Test (GE PIWAT)   |
| <b>7. MEDIUM OF INSTRUCTION</b> | English   |
| <b>8. PROGRAMME PATTERN</b>     | Semester Pattern – 4 Semesters  |



9. **COURSES & SPECIALIZATION** As per Annexure A
10. **FEE**
- |                               |                     |
|-------------------------------|---------------------|
| <b>Indian Students</b>        |                     |
| Academic Fee p.a.             | Rs. 4,85,000        |
| Institute Deposit             | Rs. 20,000          |
| <b>Total</b>                  | <b>Rs. 5,05,000</b> |
| <b>International Students</b> |                     |
| Academic Fee p.a.             | Rs. 7,27,500        |
| Institute Deposit             | Rs. 20,000          |
| <b>Total</b>                  | <b>Rs. 7,47,500</b> |
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** **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.

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



**Annexure A  
Semester I**

Catalog Course Code	Course Code	Course Title	Credits	Internal Marks	External Marks	Total Marks
T2216	020342101	Business Statistics	2	100	-	100
T2193	020342102	Project Management	2	100	-	100
T6075	020342103	Managerial Economics	2	60	40	100
T2573	020342104	Organizational Behaviour	2	60	40	100
T2572	020342105	Human Resource Management	2	60	40	100
T2003	020342106	Financial Accounting	2	60	40	100
T2771	020342107	Marketing for Infrastructure and Sustainability	1	50	-	50
T2772	020342108	Operations Management for Infrastructure	1	50	-	50
T2220	020342109	Operations Research	2	60	40	100
T2705	020342110	Infrastructure Planning and Development	3	90	60	150
T2431	020342111	Tendering, Bidding and Contracting	2	60	40	100
T2033	020342112	Basics of Financial Management	2	60	40	100
T2237	020342113	Corporate Social Responsibility	1	50	-	50
T2239	020342114	Business Communication	2	60	40	100
T2224	020342115	Research Methodology	1	50	-	50
T2653	020342116	Climate Change and Infrastructure	1	50	-	50
T2566	020342117	Business Awareness Test 1	1	50	-	50
T6012	020342118	Basic German – I	2	100	-	100
T6014	020342119	Basic French – I				
T6016	020342120	Basic Spanish – I				
T6018	020342121	Basic Chinese - I				
		<b>Total</b>	<b>31</b>	<b>1170</b>	<b>380</b>	<b>1550</b>
T4005	020342122	*Integrated Disaster Management	-	-	-	Letter Grade



## Semester II

Catalog Course Code	Course Code	Course Title	Credits	Internal Marks	External Marks	Total Marks
T2444	020342201	Public Private Partnerships	2	60	40	100
T3312	020342202	Project Management Suite	2	100	-	100
T2227	020342203	Business Analytics	2	60	40	100
T2707	020342204	Roads, Highways and Bridges	3	90	60	150
T2402	020342205	Infrastructure Policies and Reforms	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
T2034	020342211	Financial Management	2	60	40	100
T2526	020342212	Supply Chain Management	2	60	40	100
T2445	020342213	Renewable Energy Sources	2	100	-	100
T2443	020342214	Oil and Gas Economies	2	60	40	100
<b>Total</b>			<b>30</b>	<b>980</b>	<b>520</b>	<b>1500</b>

## Semester III

Catalog Course Code	Course Code	Course Title	Credits	Internal Marks	External Marks	Total Marks
T2813	020342301	Infrastructural Environmental Impact Assessment	1	50	-	50
T2419	020342302	Aviation and Port Management	2	60	40	100
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
T2903	020342306	Summer Internship	4	120	80	200
T2801	020342307	Field Project – I	2	100	-	100
<b>Project Execution, Feasibility and Finance (Choose any 6 courses from 308 to 316)</b>						

T2060	020342308	Advanced Project Feasibility and Financial Engineering	2	60	40	100
T2061	020342309	Advanced Project Finance Structuring	2	60	40	100
T2059	020342310	Advanced Corporate Finance	2	60	40	100
T2498	020342311	Financial Statement Analysis	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
T 2171	020342315	Introduction to Logistics Management	2	60	40	100
T2439	020342316	Project Site Management	2	60	40	100
<b>Total</b>			<b>27</b>	<b>870</b>	<b>480</b>	<b>1350</b>

## Semester IV

Catalog Course Code	Course Code	Course Title	Credits	Internal Marks	External Marks	Total Marks
T2435	020342401	Cases in Project Business Strategy	2	60	40	100
T2595	020342402	Concepts and Applications in Sustainability	1	50	-	50
T2708	020342403	Infrastructure Consultancy Management	1	50	-	50
T2430	020342404	Taxation for Infrastructure Projects	1	50	-	50
T2802	020342405	Field Project – II	2	100	-	100
<b>Choose any one Area (5 Credits)</b>						
<b>Transportation Sector</b>						
T6080	020342406	Transportation Economics	2	100	-	100
T2714	020342407	Urban Transportation and Metro Rail System	2	100	-	100
T2709	020342408	Railways and Freight Corridor Development	1	50	-	50
<b>Urban, Real Estate and Social Sector</b>						
T2448	020342409	Urban and Industrial Waste Management	2	100	-	100
T2715	020342410	City, Housing, Townships and Smart Cities	2	100	-	100
T2710	020342411	Land Acquisition and Rehabilitation	1	50	-	50
<b>Energy Sector</b>						
T2447	020342412	Transmission and Distribution Management	2	100	-	100

T2425	020342413	Oil and Gas – Processing and Distribution	2	100	-	100
T2706	020342414	LNG and Cross Country Pipeline Networks	1	50	-	50
<b>Total</b>			<b>12</b>	<b>560</b>	<b>40</b>	<b>600</b>

### Summary

Semester	Internal Credits	External Credits	Total Credits	Total Marks
Semester I	12	19	31	1550
Semester II	4	26	30	1500
Semester III	3	24	27	1350
Semester IV	10	2	12	600
<b>Total</b>	<b>29</b>	<b>71</b>	<b>100</b>	<b>5000</b>

\*Integrated Disaster Management is mandatory for the award of degree.