

**KEY MATRICES FOR VARIOUS PARAMETERS
AND PROGRESS AS PER MoU**



**Institute of Eminence Cell,
Indian Institute of Technology Bombay
31st March, 2022**

Multidisciplinary focus

Metric	Value at the time of IoE Declaration	Projected values and proposed additions	Action taken/Current status
Number of disciplines	Total number at the time of IoE declaration: 8 <ol style="list-style-type: none"> 1. Engineering 2. Science 3. Social Sciences 4. Humanities 5. Design 6. Management 7. Economics 8. Political Science. 	14 <ol style="list-style-type: none"> 1. History 2. Geography 3. Arts 4. Medicine 5. Law 6. Business 	3 <ol style="list-style-type: none"> 1. Artificial intelligence and Machine Learning 2. Liberal education 3. Digital Health

Interdisciplinary Courses (IDCs)

Metric	Value at the time of IoE Declaration	Projected values and proposed additions	Action taken/Current status
Number of IDCs	13 <ol style="list-style-type: none"> 1. Nanotechnology and Science 2. Environmental Science and Engineering 3. Energy systems 4. Technology alternatives for rural areas 5. Urban Science and Engineering 6. Entrepreneurship 7. Technology and Design 8. Bioengineering 9. Climate studies 10. Education Technology 11. Industrial Engineering and Operations research 12. System and Control Engineering 13. Policy studies 14. Urban Science and Engineering 	22 <ol style="list-style-type: none"> 1. Arts and Design 2. Aerospace Manufacturing 3. Medical Instrumentation 4. Health Science and Engineering 5. Data and Information Science 6. Film Making 7. Corporate Law 8. Finance and Commerce 	<ol style="list-style-type: none"> 1. Centre for Machine Intelligence and Data Science (CMInDS) started during academic year 2020-21 offering programs in AI and ML. 2. IDDD M.Tech in Digital Health Informatics started by Koita Centre for Digital Health.

Foreign/Foreign Qualified Faculty

Metric	Value at the time of IoE Declaration	Projected values and proposed additions	Action taken/Current status
% of Total	>90% Foreign Qualified 590 out of 658 full-time	95% Foreign Qualified 800 out of 850 full-time	Total faculty as on date 698. Total 353 foreign qualified faculties available now. Total number of foreign faculty is 13

Foreign/Domestic Students

Metric	Value at the time of IoE Declaration	Projected values and proposed additions	Action taken/Current status
% of Total	1.5% 150 out of 10,000	10% 1200 out of 12,000	101 (0.78% of total student enrolment).

Merit based selection

Metric	Value at the time of IoE Declaration	Projected values and proposed additions	Action taken/Current status
% of Total	100% There is no paid admission without merit	100% No gap; there will be never be a compromise on merit	100% No gap; there will be never be a compromise on merit

Need Blind Admission

Metric	Value at the time of IoE Declaration	Projected values and proposed additions	Action taken/Current status
% of student turned away for lack of funds	0% Scholarships and financial support are made available to all needy students	0% Scholarships and financial support will be made available to all needy students	0% Scholarships and financial support will be made available to all needy students

Faculty to Student Ratio

Metric	Value at the time of IoE Declaration	Projected values and proposed additions	Action taken/Current status
Ratios	1:15.5 Overall 1:8.6 Teaching 1:5.7 Research	1:14 Overall 1:7.6 Teaching 1:3.4 Research	Total number of faculty as on 31.03.2022 is 698. The faculty student ratio improved to 1:18.51

Laboratories for Cutting Edge Research

Metric	Value at the time of IoE Declaration	Projected values and proposed additions	Action taken/Current status
Examples with value	Example <ol style="list-style-type: none"> Center for Research in Nanotechnology and Science (CRNTS – INR 50Cr) Center for Excellence in Nano-electronics (CEN- INR 184Cr) National Center Aerospace Innovation and Research (NCAIR – INR 34 Cr) Tata center for Tech. and Design (TCTD –INR 94Cr) Wadhvani Research Center in Biosciences (WRCB – INR 24 Cr) 	Proposed <ol style="list-style-type: none"> Advanced Nanofabrication and Characterization Laboratory Laboratory for Materials and Advanced Manufacturing Laboratory for Health Science and Engineering Laboratory for Data and Information Science Laboratory for Sustainable Chemical Sciences 	<p>Procurement scientific equipment are at different stages.</p> <p>116 PR worth Rs. 198.68 Cr created for WCRL. Out of those, 92 PO created worth Rs. 113.92 Cr.</p> <p>122 PR worth Rs. 131 Cr created for RIFC. Out of those, 114 PO created worth Rs. 107 Cr.</p> <p>BYOH: 1 PO created worth Rs. 23.10 Cr.</p> <p>HPC: 1 PR created worth Rs. 35 Cr (file is in Tender Section)</p>

World Class Library

Metric	Value at the time of IoE Declaration	Projected values and proposed additions	Action taken/Current status
Books and Journal count (Inclusive of e-books and e-journal)	Books: 2 Lakhs Journals: 17,000 Thesis: 7000	Books: 3 Lakhs Journals & Thesis: 30,000	Total number of books available is 250039. Total number of journals is 20917.

Student Amenities

Metric	Value at the time of IoE Declaration	Projected values and proposed additions	Action taken/Current status
Hostels, Student Activity Center (SAC)	Hostels: 17 Married Student hostel: 1 SAC : 1	Hostels: 20 Married Student hostel: 2 International Student hostel: 1 SAC : Upgrade	Hostels: Hostel No. 17 inaugurated, Architect appointed for Hostel 19 and further process going on. SAC: 31 PR created worth Rs. 6 Cr. and 22 PO created worth Rs. 0.74 Cr.

Campus Space

Metric	Value at the time of IoE Declaration	Projected values and proposed additions	Action taken/Current status
Space and FSI	540 Acres 0.28 FSI	540 Acres 0.30 FSI	540 Acres 1.00 FSI

Governance structure

Metric	Value at the time of IoE Declaration	Projected values and proposed additions	Action taken/Current status
Structure	Well defined governance structure as per IITs Act and Statutes separate from the funding ministry (MHRD)	Well defined governance structure as per IITs Act and Statutes separate from the funding ministry (MHRD)	Well defined governance structure as per IITs Act and Statutes separate from the funding Ministry (MHRD) exist.

Social Impact in Developing Societies

Metric	Value at the time of IoE Declaration	Projected values and proposed additions	Action taken/Current status
Impact	<p>Centers focused on field Research impacting society such as CTARA, TCTD, CUSE, CPS and M.Phil. in development studies</p> <p>Licensing and transfer of technologies developed at IITB: more than 100</p> <p>Educational outreach and teacher training at school and college level</p>	<p>Setting up outreach centers to scale up activities</p> <p>Increasing engagement and partnership with local city and state government</p>	<p>Details of any programme/research conducted which has social impact during the selected quarter:</p> <p>https://docs.google.com/spreadsheets/d/1eBJVFI4LQ-Uss6Y1jMBAm1f0GLn_Hh1w1fGWCrCkNe4/edit?usp=sharing</p>

Public Funding

Metric	Value at the time of IoE Declaration	Projected values and proposed additions	Action taken/Current status
% of Total (Plan + Non plan)	48%	45%	

Global Research Collaborations

Metric	Value at the time of IoE Declaration	Projected values and proposed additions	Action taken/Current status
Number of MoUs with top Global Universities	90	115	Total number of MoUs with international universities increased to 165.

Peer Reviewed Publications

Metric	Value at the time of IoE Declaration	Projected values and proposed additions	Action taken/Current status
Publications per Faculty	2.4	4	1.1

Student Enrolment

Metric	Value at the time of IoE Declaration	Projected values and proposed additions	Action taken/Current status
Numbers	10,000	12,000	12,919

Accreditation (NAAC/Other under UGC)

Metric	Value at the time of IoE Declaration	Projected values and proposed additions	Action taken/Current status
Accreditation framework	Not Applicable	Not Applicable	Not Applicable

World Ranking

Metric	Value at the time of IoE Declaration	Projected values and proposed additions	Action taken/Current status
Rank	QS: 162	QS: Top 100	QS: 177 NIRF: 3