BRIEF NOTE ON OVERALL PROGRESS MADE UNDER THE IOE SCHEME UNDER DIFFERENT VERTICALS

Institute of Eminence Cell
Indian Institute of Bombay
February 10, 2021
Research related:

WCRL

- Following World Class Research Labs are being setup and these under different stages of progress.

<table>
<thead>
<tr>
<th>Lab Name</th>
<th>Budget allocated ₹ (Cr)</th>
<th>PR created (No)</th>
<th>Amount of PR ₹ (Cr)</th>
<th>PR approved (No)</th>
<th>Amount of PR approved ₹ (Cr)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nano Science Nano Fabrication &amp; Characterization</td>
<td>260</td>
<td>8</td>
<td>35.42</td>
<td>6</td>
<td>28.93</td>
</tr>
<tr>
<td>Manufacturing and Materials</td>
<td>30</td>
<td>22</td>
<td>50.19</td>
<td>13</td>
<td>6.96</td>
</tr>
<tr>
<td>Health Sciences and Engineering</td>
<td>35</td>
<td>10</td>
<td>24.24</td>
<td>9</td>
<td>24.22</td>
</tr>
<tr>
<td>Data and Information Science</td>
<td>50</td>
<td>9</td>
<td>15</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Sustainable Chemical Sciences</td>
<td>50</td>
<td>11</td>
<td>25.41</td>
<td>6</td>
<td>11.47</td>
</tr>
</tbody>
</table>

Further process related to placement of Purchase Order (P O) is held up for want of GTE clearance from MoE for which action is under progress.

Central Research Facilities

- Towards augmenting central research facilities, an amount of ₹122.42 Cr have been earmarked for infrastructure funding. High end research equipment are being procured under this scheme. As on date 45 projects are under various stages of completion. In this direction 104 Purchase Requisitions worth ₹101Cr have been created and 47 Purchase Orders issued. Action under progress related to 57 PR.
Data Centre
- A central facility of Data Centre housing BYOH and HPC is under commissioning. Towards this purchase requisition worth ₹20 Cr is approved and RFP already floated.

Post-Doctoral Fellows
- 119 IPDFs joined during 01.02.2020 to 31.01.2021 taking the total number of IPDFs to 251. Obtained in principle approval to appoint IIT B PhD holders as Institute PDF to meet the increased research activities in various laboratories. This will substantially increase the number of PDFs, thus helping research activities.

Patents
- Number of patents filed during the year 2019-20 is 122. Number of patents filed during April 2020 to January 2021 is 132.

Programmes with Social impact.
- Due to the COVID 19 situation, there were Severe constraints for field work. Nonetheless, CTARA conducted various training programmes/workshop having social impact.

Student related:
- IIT Bombay runs various academic and research programmes in the areas of management, design, economics, and policy etc., thus making the institute truly multi- and interdisciplinary.
- Multiple entry schemes already exist in the Institute.
- Number of foreign students – 76. Percentage of foreign students – 0.64%. Difficult to increase this number substantially in the current year due to COVID 19. IITB is working with government agencies such as Study in India (SII), ICCR, IIT Delhi (ASEAN PhD fellowships) in their outreach and admissions activities for recruiting international students at the Masters and PhD levels.
- Student enrolment in various courses is 11935 as on 31 Jan 2021.
• Scholarships and financial support are being made available to all needy students. During the year 2019-20, 3209 students were provided with scholarship amount in Rs 82.77Cr and 106 students were awarded with Rs 10.31 Lakhs. In the last quarter Oct-Dec 2020 14.77 Cr worth scholarships awarded to students.

MoUs with other Universities.
• We have entered MoU with various top ranked universities. Total number of MoU is 188. Three MoU signed with Technishe Universitat Ilmenau, Germany, Lehigh University, USA and Kytoto University, Japan during Oct-Dec 2020. Dean IR interfaces with external universities to set up MoUs and exchange programmes.

Hostels
• Construction is ongoing for Hostel 17. Architect appointed for Hostel 19 and further process going on. Student Activity Centre (SAC) DPR completed and Purchase Requisitions under process.

Faculty student ratio
• Recruited 14 numbers of faculty during the calendar year 2020. Total number of faculty as on 31.01.2021 is 684 out of which 98 are female faculty members. Current student faculty ratio is 1:17.44.

Academic related:
• Multidisciplinary focus: A proposal for liberal education UG programme was approved in principle by senate in their meeting held on 27th Dec 2020. Final approval under progress.
• Interdisciplinary courses: Centre for Machine Intelligence and Data Science (C-MInDS) started in February 2020 to offer Minor in AI and Data Science and Inter Disciplinary Dual Degree Program (IDDP) in AI and Data Science.
• IDC programme in animation supported by I&B ministry proposed.
• Approved induction of programme MS by research in the Department of Computer Science and Engineering from academic year 2020-21.
• Number of interdisciplinary centers and school: BoG approval take for Centre for Machine Intelligence and Data Science (CMInDS) offering Minor in AI and Data Science and Inter Disciplinary Dual Degree Program (IDDP) in AI and Data Science setup in February 2020.

Library related:
• Number of books holding in our central library has increased to 2,48,428 and journals to ~ 20,000 and thesis and dissertation to 25,00,000. During the year 2020, ₹19.42Cr used to purchased books, journals, and databases. 186 books and journals purchased during Oct-Dec 2020.
• Peer Reviewed publications: Total number of peer reviewed publications are 714 during Oct-Dec 2020. Number of publications per faculty is 1.09. Number citation per faculty is 28.75 during Oct-Dec 2020.

Overall:
• World Ranking: QS ranking – 172