Placement and Internship Report 2015-16

Placement Office
Indian Institute of Technology, Bombay

July 2016

As in previous years, formal campus placements involving company interviews for the academic year 2015 was conducted in two phases. Preparations and behind-the -scenes activity for these phases started in July 2015. The first phase of IIT Bombay's campus placement in December 2015 saw participation from around 260 companies and 1000 job offers. Till June, 2015, a total of 308 organizations have taken part in campus placements and have offered 1143 jobs. Students from Bachelor of Technology (B.Tech.), Master of Science (M.Sc.), Dual Degree (D.D.), Master of Technology (M.Tech.), Master of Design (M.Des.), Master of Philosophy (M.Phil.) and Doctor of Philosophy (PhD) programs in various fields of engineering, science and technology, design and humanities participated in the placement process. There were a total of 1628 students registered for campus placements in 2015-16. This is up from just 1250 in 2010-11 and has required Placement Office (PO) to appropriately scale up its approach towards campus placements.

Student registration for campus placements opened in August 2015 with the customary introduction to the placement process by the professor-in-charge and student placement team. Companies were invited July 2015 onwards to fill up online "Job Announcement Forms" which opened to students registered for placements from early October. Pre-placement talks by some companies, provided an avenue for interaction and familiarization of students with recruiting organizations and their work profile as a run up to formal placements. Companies are increasingly being asked to make only electronic presentations rather than on campus talks, especially if they have visited IIT Bombay over the past few seasons. The company interview process for the first phase began on December 1, 2015. A small number of eligible students did not actively participate in the placement process due to their other career choices.

December 1, 2015 the first day of formal placements, saw 33 firms, representing some of the most coveted jobs in global industry vie for our students. An unprecedented 174 jobs were offered on that day reconfirming the commitment of top recruiters to IIT Bombay graduates. Placement season 2015 also saw the presence of many more "core" engineering companies on the first day of campus placements. 2015-16 also had the formal placement process for IDC conducted separately starting from 14th May, 2016 to better synchronize with the academic calendar for final year students at IDC.

Engineering and Technology

Engineering and Technology Students of IITB continued to demonstrate a strong commitment to their core educational background in the choice of employment. Majority of students opted for science, engineering and technology oriented jobs, with the recruiting companies operating in various sectors of the economy.

Data Analytics

The well-deserved reputation of superior analytical and reasoning skills of IITB graduates continued to draw recruiters from the rapidly growing field of data analytics. There were 91 job offers from 38 organisations making it one of the biggest recruiters after engineering and information technology. This trend seen in the last few years seems to have taken strong roots at IITB.

Consulting

Over 27 leading consulting firms, including several global leaders, visited IITB for campus placement this year. These organizations work with large corporations across the world and help them resolve complex business problems. Management Consulting companies especially carry a reputation of being very selective in their choice of campuses and of having extremely high standards in their recruitment process. Over 105 offers were made in the consulting sector including management consulting.

Financial Services

Continuing the trend of last few years, the finance sector was a major recruiter this year too. With many of the top global companies of this sector visiting IITB for campus placements, the sector saw a rush among top-level as well as mid-level companies to recruit the brightest and the best from the campus. A variety of profiles were opened up in the sector as these companies have begun to appreciate the analytical and quantitative analysis capability of the IITB students. Over 113 offers were made by financial services sector to IITB students. The rapid ongoing digitization of financial services sector in India also resulted in a strong presence of Indian financial firms in a sector traditionally dominated by multinationals at IITB.

Research & Development

With the economy increasingly striving for high-end products and services, a larger number of companies now strive to develop products on the forefront of technology. IITB saw an increase in organizations hiring fresh graduates in the R&D sector. This sector had been steadily growing for the past few years and this year IITB saw some premier job offers in this sector. A total of 27 R&D organizations offered 88 positions this year.

Education

IITB has continued to provide faculty to several educational institutions through campus placement over the past several years. This trend was stronger this year. Over 51 students, including several with doctoral degree, have been offered jobs with public and private educational institutions through campus placement.

Start-ups

IIT Bombay continued to attract "start-up" companies including many started by alumni. If current valuations in this sector hold, then this trend is expected to get stronger and may become one of the defining ones in the coming years at IIT Bombay. Start-ups have started to challenge more established companies in their quest for hiring talent at IITB. The informal work culture, opportunity to make immediate and visible contributions, chance to own equity etc. seem to attract IITB students to start-ups. Start-up companies different from the more usual e-commerce related have also started making their presence felt in campus placements. A "job fair" involving start-up companies was also held in the second phase in January 2015 in collaboration with E-cell.

Diverse recruiters

While the placement season has seen recruiters from the entire spectrum of the industry, the initial part of the season was dominated by a variety of firms from sectors like engineering and manufacturing, computer software and hardware, data analytics, management consulting, finance/banking and FMCG. Most of these firms are world leaders in their respective domains.

Preparing well-rounded students

As in previous years, a key focus of the placement office was to also prepare students for their placement and internships. IITB students are expected to excel in not just technical knowledge but also in leadership, teamwork and other attributes. A large number of preparatory activities were conducted this year for the graduating students, including refresher lectures on various technical subjects. In addition, preparatory programs to enhance communications skills, interview skills and group dynamics were also organized. Several talks by alumni working in diverse sectors were also organized for the benefit of the students on different job requirements. To enhance the placement preparation of the students, this year the placement office organized 1330 preparatory events as compared to the 700 events organized in the previous year. Placement season can be a stressful time for participating students. Senior and experienced alumni from the corporate sector were available at the placement office during December 2015 to counsel and advise students in need.

Table-1: Program-wise placement data 2015-2016

All registered students do not necessarily participate actively in campus placements. Some may have alternate plans like higher education etc. but still register for campus placements. It is also important to note that students also get placed through channels other than campus placements.

Program	Registered	Placed	Percentage
B.Tech.	502	397	79.8
Dual Degree (B.Tech+M.Tech.)	237	185	78.5
M.Tech.	573	429	74.8
5 year M.Sc.*	16	11	68.7
2 year M.Sc.*	110	44	40
M.Des.**	52	35	67.3
Dual Degree (M.Sc. + M.Tech.)*	6	4	66.7

In addition to the above mentioned numbers 2 M. Phil. and 18 Ph. D. students were also placed in the campus placement process.

* For M.Sc., M.Sc.+M.Tech and Ph.D students, higher studies and post-doctoral work can be a priority

** Large number of M.Des students are placed post "Design-Degree Show" in mid-June.
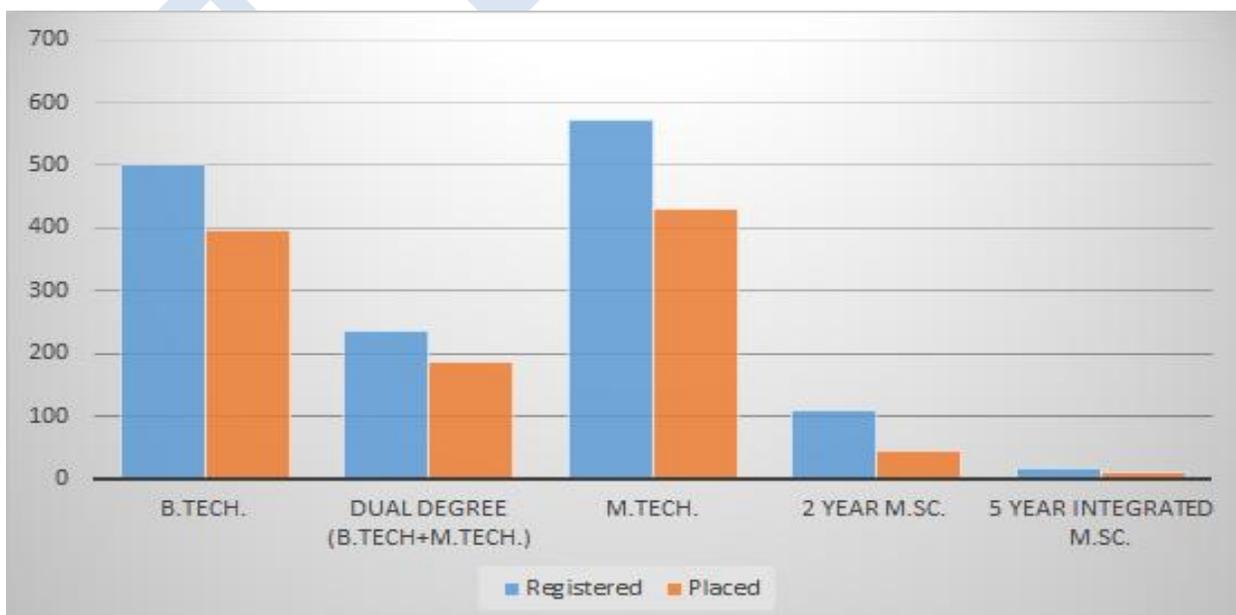
Table-2: Placement detail by type of organization:

Sr. No.	Sector	Number of Organizations	Number of Offers
1	Analytics	38	91
2	Consulting	27	105
3	Education	12	51
4	Engineering & Technology	90	371
5	Finance	23	113
6	FMCG	9	24
7	Public Sector Undertaking	2	18
8	Research & Development	27	88
9	Services	5	12
10	IT/Software	75	270
	Total	308	1143

Table-3: Placement details by range of salary offered

Range of Gross Salary (in Lakh Rupees per annum)	Number of Organisations	Number of Offers
Above 11	96	435
Between 9.5 to 11	48	177
Between 8 to 9.5	52	181
Between 6.5 to 8	50	155
Between 5 to 6.5	50	139
Less than 5	12	56
Total	308	1143

Table-4: Comparison of students placed in 2012-13 vs 2013-14 vs 2014-15 vs 2015-16

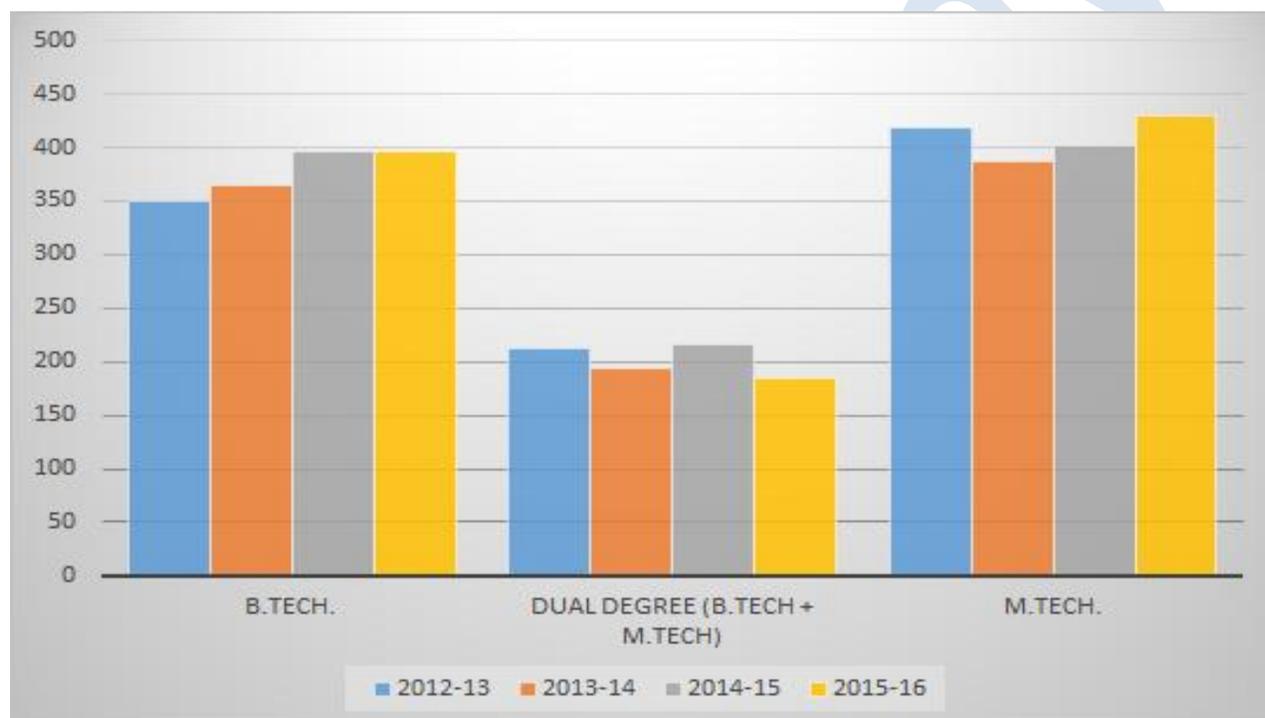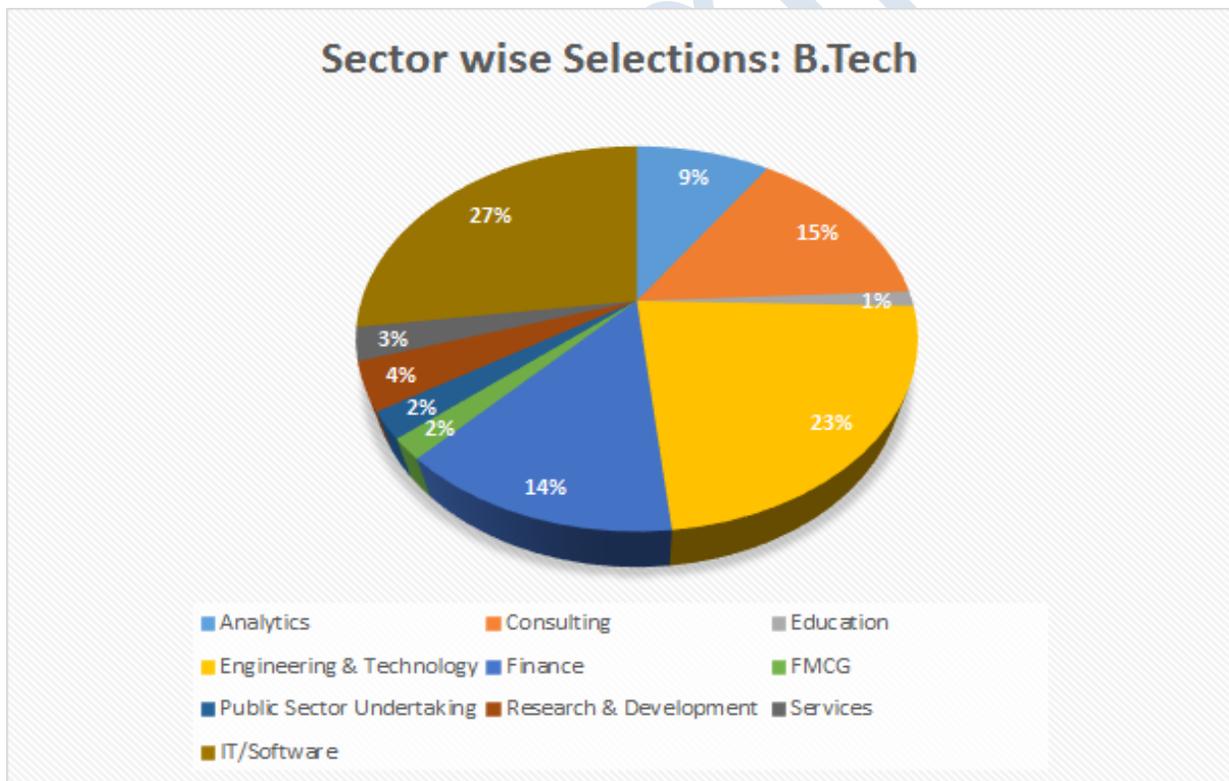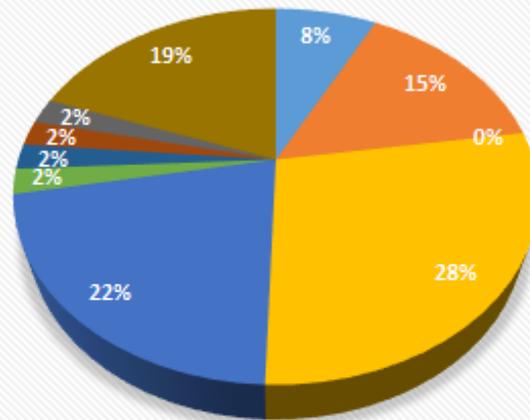| Program	2012-13	2013-14	2014-15	2015-16
B.Tech.	349	365	396	397
Dual Degree (B.Tech. + M.Tech.)	213	193	216	185
M.Tech.	419	387	402	429

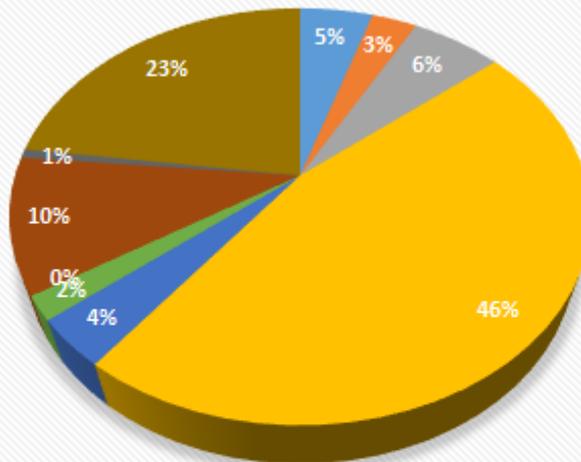**Table-5: Sector-wise statistics for Different Departments**

Sector	B.Tech	Dual Degree	M.Tech
Analytics	37	14	21
Consulting	59	28	13
Education	5	0	26
Engineering & Technology	91	52	199
Finance	54	40	16
FMCG	7	4	8
Public Sector Undertaking	9	4	0
Research & Development	16	4	45
Services	11	4	3
IT/Software	108	36	98

Sector wise Selections: Dual Degree

Legend: Analytics, Consulting, Education, Engineering & Technology, Finance, FMCG, Public Sector Undertaking, Research & Development, Services, IT/Software

Values: 8%, 15%, 0%, 28%, 22%, 2%, 2%, 2%, 2%, 19%

Sector wise Selections: M.Tech

Legend: Analytics, Consulting, Education, Engineering & Technology, Finance, FMCG, Public Sector Undertaking, Research & Development, Services, IT/Software

Values: 5%, 3%, 6%, 46%, 4%, 2%, 0%, 10%, 1%, 23%

Internships 2015-16

Over the course of the past few years, Internships have become a major aspect in every student's personal growth and development. Internships give students tremendous understanding of a particular industry and helps them make a well-informed career choice. This importance implies a need to provide more opportunities and variety to the student community. Keeping this in mind, the Placement Office has accordingly improved the internship recruitment process, and even has a second team of coordinators dedicated to the development and execution of the internship process.

The Internship Season 2015-16 saw 1047 offers from over 650 organisations. Companies have also benefitted accordingly, offering a total of Pre-Placement Offers, based on their performance during the internships of 2014-15. Of these, 94 were accepted by students.

The Internship Season 2015-16 started in July 2015 and continued till 30th May, 2016. Students from a variety of programs participate in the internship process. Students of 2nd and 3rd year from the Bachelor of Technology (B.Tech.), 5 Year/2 Year Masters of Science (M.Sc.), and 5 Year Dual Degree (D.D) participate in the internship process from across departments.

Table-6: Department-wise Internship numbers (Data from past years is as below)

Department	2015-16	2014-15	2013-14
Aerospace	48	65	66
Chemical	117	129	143
Chemistry	22	21	24
Civil	95	99	90
Computer Science	201	157	154
Electrical	167	189	138
Engineering Physics	33	41	22
Energy	37	35	30
Mechanical	162	152	168
MEMS	112	101	77

Summer vs. Winter Internships

Total Internships	Summer	Winter
1047	855	192

Companies vs. Universities:

Total Internships	Company	University
1047	855	192

Table-7: Country-wise offers from Universities:

Country	Number of Universities	Number of Interns
United States	19	41
Germany	14	21
France	8	18
Canada	7	15
England	5	15
Taiwan	3	11
Australia	3	7
Netherlands	3	4
Japan	3	3
Singapore	2	14
Ireland	2	6
Austria	2	6
Luxembourg	1	5
Finland	1	3
Norway	1	2
Hong Kong	1	2
Switzerland	1	1
Denmark	1	1
Italy	1	1
Portugal	1	1
Belgium	1	1
India	5	14
Total	**85**	**192**

Conclusion

The successful student placement in 2015-2016 clearly demonstrated the demand of IITB graduates among the top recruiters in various segments of the economy. The recruiters appreciated the knowledge and training of our students. A majority of our past recruiters held their faith in our student's abilities and came to recruit in large numbers. The year also saw several new organizations visiting IITB for the first time, and we look forward to fostering long-term relationship with all these organizations. The efforts of the placement office including the student placement team, combined with excellent academic system and the opportunity for all-round development, has also contributed to making IITB as a preferred destination of recruiters and students. The success of the placement endeavour can be attributed to the outstanding quality of our students as well as the tremendous support provided by the Institute administration, academic units, faculty and staff, alumni and other well-wishers. The Placement office thanks them and looks forward to their continued support. This will be even more crucial in the coming years as campus placements become more intense due to increased corporate competitiveness, heightened student aspirations, a rapidly changing job market and an increasingly insecure global economy.