Office of the Dean, Alumni & Corporate Relations

INDIAN INSTITUTE OF TECHNOLOGY BOMBAY

Mumbai, India

FUND UTILIZATION REPORT

Financial Year 2015 -16

Fund Utilization Report

A. Introduction

A.1. Vision:

Initiate, nurture and sustain engagement with alumni and corporations as active partners in the Institute's pursuit of excellence.

A.2. Mission:

- To create programs and opportunities for alumni and corporations to contribute to the development of the Institute.
- To manage initiatives and provide support to alumni and corporations to strengthen their engagement with the Institute.
- To provide support within the Institute to promote and strengthen engagement with alumni and corporations.
- To manage utilization and enhancement of Institute's endowments and gifts from well-wishers.

Ananta Faculty Housing

A.3. Message from Dean ACR:

Dear Alum,

I am happy to report that many exciting things have happened at IIT Bombay since I last wrote to you in 2015. The year 2015 - 16 has seen our Institute continue to gain in recognition for various activities. Several departments are ranked in the global top 100 as per the latest QS ranking. IIT Bombay has also been ranked among the top universities for employability; a tremendous feat considering that more than 50% of graduating class consists of research students. On research front, we reached a milestone with nearly 150 patents were filed during the year. The Institute also has the distinction of contributing the largest number of Directors to the IITs. Our incubator (SINE) and Tinkerer's Lab are regarded as role models that the other IITs have been requested to replicate. Donations to the Institute have also seen tremendous increase which has enabled support to a number of unique initiatives. We look forward to building upon these in the coming year.

The 53rd Convocation, on 8th August, reflected it nicely, with the graduating alumni coming back to the Institute. The Convocation was an important landmark, with the award of nearly 300 PhD degrees. Mr. Kailash Satyarthi, Nobel Peace Prize Laureate, who was also the Chief Guest for the occasion, inspired the students through his convocation address, urging them to dream big for the country and the world. Our Institute was delighted to host Mr. Terry Gou, Chairman of Foxconn on August 7, 2015. The Taiwanese company Foxconn, with turnover exceeding 130 Billion US dollars, is the world's largest contract electronic manufacturing company. During the visit to Mumbai, Mr. Gou announced the decision to invest 5 Billion US dollars to set up manufacturing facilities in Maharashtra, and also mentioned to the Maharashtra Chief Minister that his visit to IIT Bombay played a crucial role in this decision.

We were privileged to host Lord Francis Maude, the Trade and Investment minister of UK and former Conservative Party Chairman, on September 9. He was accompanied by a large number of senior UK government officers.

It was a great pleasure to have met many of you visit the campus during the Alumni Day and reunions. The Silver Jubilee reunion of Class of 1990 was held from December 25th – 27th. Beating all previous records, 168 alumni from the Class of 1990 participated in the reunion. The batch also pledged Rs 6.5 crores towards their Legacy Project. On behalf of the Institute and all alumni, I thank the batch for this contribution. The 1st phase of student placement was held from 1st December onwards. The fears of negative impact of economic slowdown were dispelled with the Institute witnessing exceptional placement, with nearly 85% of the students successfully placed in the first phase itself. This is certainly a demonstration that IIT Bombay continues to deliver very high quality graduates to the world. The second annual Faculty Alumni Network (FAN) India Meeting was held on January 16 in Goa. The FAN meeting was on the theme of Frugal Engineering and focused on three thematic areas: (1) Affordable Energy Solutions, (2) Water & Sanitation, and (3) Affordable Health Care. In addition to experts from faculty, alumni and the industry, the meeting saw the participation of a number of potential faculty candidates.

I am very pleased to inform you that IIT Bombay has been requested by the Government of India to showcase the contributions of IITs towards India's manufacturing base. A number of technologies were exhibited during the Make – in - India event.

On 10th March, Foundation day the Institute felicitated Dr. Anil Kakodkar, Former Chairman, Board of Governors (BoG) of IIT Bombay and Former Secretary, Department of Atomic Energy, Government of India for his leadership and vision during his stint as the head of the Institute.

I also want to thank you for making donations to IIT Bombay in the last year. This was possible because of the impact of programs like YFA (Young Faculty Awards), Student Scholarships, and the creative teamwork of all our alumni volunteers involved in the efforts. Hope to see you soon.

Regards,

Ravi Sinha

Dean, Alumni and Corporate Relations

A.4. Donation Details:

The Dean Alumni and Corporate Relations (ACR) Office integrates two strategic thrusts for IIT Bombay. One is nurturing and enhancing Alumni Relations and other is the same with Corporations. The government of India, through MHRD, continues to be the primary source of funds for the Institute. The alumni and corporate donations that have picked up significantly in the last few years also provide a great support to the Institute. The Office of Dean ACR performs the important task of nurturing relationship for the benefit of the Institute and raising additional resources from the alumni and other well-wishers of IIT Bombay.

This year the Institute received a total donation of Rs 39.28 Crores. We express our deep gratitude and appreciation for the constant support shown by our alumni and other well-wishers to IIT Bombay. The major donors for the last financial year are Sir Dorabji Tata Trust, The major donors for the year include Sir Dorabji Tata Trust, Applied Materials, Portescap India Private Limited, SAP, CISCO, GE India, IIT Bombay Heritage Foundation and Class of 1990, among others.

B. Student & Hostel Development

All students are informed of various available opportunities of financial support. We also work with students and alumni to identify and to apply for available fellowships and scholarships. Each year, numerous IITB students receive a number of prestigious awards, fellowships & scholarships enabling them to engage in a variety of activities including: spending time overseas, conducting independent research, and partial / full support for their education expenses. Our goal is to further student's academic endeavors by connecting worthy students to merit-based opportunities, to encourage self-development, and to make the application process a worthwhile learning experience. We hope you will stop by our office in person to learn more!

Various student scholarships and fellowships have been instituted by well-wishers in various departments and at Shailesh J. Mehta School of Management for enabling the students to support their education. A detailed list can be found in the Appendix.

B.1. Scholarships:

B.1.1 Impact of the scholarships from donations on our students

1. Scholarships help to lessen the impact of tuition costs.

2. Scholarships help students have more time to focus on their studies.

3. Scholarships decrease the financial burden on economically weak families of students.

4. Scholarships add to the number of students that are provided financial assistance from Government funds.

5. Scholarships teach philanthropy.

Please refer to the relevant section in Appendix K.1 for list of Scholarship recipients

B.2. Fellowships:

The following Fellowships have been instituted by well-wishers for the benefit of bright and deserving students in various departments.

1. Tata Fellowships
2. Advinus Fellowships
3. Maharashtra Pollution Control Board Fellowships

Please refer to the relevant section in Appendix K.2 for list of Fellowship recipients

B.3. Loan Scholarships:

Financial Aid Program

Loan Scholarships are managed by IIT Bombay Alumni Association.

No of disbursements: 128

Student benefited: 116

B.4. Awards & Prizes during Convocation 2015

The 53rd Convocation, on 8th August, with the graduating alumni coming back to the Institute. The Convocation was an important landmark, with the award of nearly 300 PhD degrees. **Mr. Kailash Satyarthi, Nobel Peace Prize Laureate**, who was also the Chief Guest for the occasion, inspired the students through his convocation address, urging them to dream big for the country and the world. He noted that IITB is an institute par excellence, and asked students to harness and channelize the leadership quality in them for a larger good. **Mr. Anand Mahindra**, Chairman and Managing Director of Mahindra and Mahindra Limited, was conferred with degree of Doctor of Science (Honoris Causa), for his contribution in furthering the cause of the automobile industry. Professor **Dinesh K. Sharma** of Electrical department was conferred with the Lifetime Achievement Award. During this year's Convocation, the President of India Gold Medal was awarded to **Ashwin R**. from the Aerospace Engineering department while the Institute Gold Medal was awarded to **S. Vignesh** of the Electrical department. Nearly 2300 degrees were awarded in the largest ever Convocation of the Institute.

For detailed list of Various Awards, Medals and Prizes given out during the Convocation, please refer to the relevant section in Appendix K.3.

B.4.1 Nitesh Thakor Excellence Award in Department of Biosciences and Bioengineering

Particulars	Amount (Rs)
Opening Balance as on 01-04-2015	2,56,107
Add: Interest upto 31-03-2016	25,116
Less : Transfer to Endowment	-
Less : Expenses during the year	-
Closing Balance as on 31-03-2016	2,81,223

B.4.2 Dr. P V Sukhatme Prize

Particulars	Amount (Rs)
Opening Balance as on 01-04-2015	Nil
Add: Interest up to 31-03-2016	40,000
Less: Program Expenditure (Honorarium to the Speaker)	5,000
Less : Expenses during the year	35,000
Closing Balance as on 31-03-2015	Nil

B.5. STUDENT DEVELOPMENT FUND

Thanks to the generous support of donors to IIT Bombay, the Student Development Fund has been established to ensure that our students do not miss out on exciting opportunities.

Funds from this account are typically used for travel grants to the students, to take part in various international conferences. Sometimes, also for scholarships for needy students, etc.

The following table shows the details of the amount currently available under the 'Student Development Fund'.

Particulars	Amount (Rs)
Opening Balance as on 01-04-2015	Nil
Add: Interest up 31/03/2016	10,52,815
Less: Expenses during the year	6,00,900
Closing balance as on 31-03-2016	4,51,915

Expenditure Details for Student Development Fund

Sr. No	Name of the student/Professor	Particulars of Expenditure	Department	Amount (Rs.)
1	Mr. Mohan Reddy	Ambrose Otienno Award for excellence in multiple sports	Chairman Sports	10,000
2	Ms. Savitri Gupta	Laptop for totally vision impaired student	HSS	40,900
3	Research Scholars International Mobility Fund	Research Scholars International Mobility Fund for jointly supervised research scholars.	PhD program across Departments	5,00,000
4	Ms. Ananya	Scholarship	Mechanical	50,000

Hostel 13 – View of Hostel 12, 13 & 14 overlooking Powai Lake at night

C. Faculty Development

C.1. Chair Professorships

The Chair Professorship is a distinguished academic position of the Institute and is conceived as an academic honor to recognize outstanding work of existing permanent faculty of the Institute. It can also be used to attract outstanding academicians to join the Institute as faculty. Each Chair is supported by an endowment created from a donation to the Institute.

Establishment of new Chair Professorships is essential for IIT Bombay to attract and retain high quality research faculty, which are the key element required to fulfill the goal of the Institute to be a leading international research university. Chairs also lead to the establishment of new areas of specialization through the recruitment of accomplished researchers in the fields.

The endowment for a Chair is currently Rs. 90 lakhs (Ninety Lakhs only). Interest from the endowment is used to meet expenses of the Chair, which include an honorarium and contingency expenses. The salary of the Chair Professor and all other benefits (housing, medical etc.) continues to be borne from Institute funds.

List of Named/Institute Chair Professors in the Institute can be found in Appendix I.2.5_Awards_and K.5

C.2. Excellence in Teaching Awards

The Excellence in Teaching Award was conferred on the following faculty members on Teacher's Day 2015:

Sr. No	Name of Faculty	Name of Department
1	Prof Ranjith P	Biosciences & Bioengineering
2	Prof Sanjeeva Srivastava	Biosciences & Bioengineering
3	Prof V K Singh	Chemistry
4	Prof Prakash Nanthgopalan	Civil Engineering
5	Prof T K Biswal	Earth Sciences
6	Prof V M Gadre	Electrical Engineering
7	Prof Dinesh Sharma	Electrical Engineering
8	Prof C D Sebastian	Humanities & Social Sciences
9	Prof Paulomi Chakraborty	Humanities & Social Sciences
10	Prof B V Limaye	Mathematics

C.3. Young Faculty Award Fund

IIT Bombay is undergoing this rapid growth phase even as other institutions in India and abroad are planning to expand too. This creates significant challenges in attracting faculty to IIT Bombay. Given the current hiring spurt, the Young Faculty Award program was

designed to have a substantial long-lasting impact on IIT Bombay and its faculty profile. YFA awards can ensure that IIT Bombay offers a more attractive package to achieve better results in recruitment. The "Young Faculty Joining Bonus", initially a Class of '82 Legacy Project, has been awarded from 2010 onwards. Classes of '78, '83, '84, '85 and '88 have also joined this project. Nomura has also contributed to the YFA. The project focuses on supporting young faculty in their academic pursuits in order to attract outstanding young faculty to replace retiring faculty and to augment current faculty as a key element for IITB to maintain its long term competitiveness.

The details of young faculty who have been awarded the "Young Faculty Awards" in last financial year can be found in the Appendix K.6

Following is the detailed accounting statement for the same:

Financial Report

Particulars	Amount (Rs)
Opening Balance as per 01/04/15	2,38,70,328
Addition during the year	77,84,337
Expenses during the year	1,24,00,000
Closing / Remaining Balance as per 31-03-16	1,92,54,665

C.4. Faculty Awards

List of faculty awards during the academic year 2015-16

Sr. No	Name of Faculty	Department	Name of Award
1	Prof. Shashikant Suryanarayanan	Department of Mechanical Engineering	"Prof. A. Jaganmohan Award"
	Prof. Tanmay Bhandakkar	Department of Mechanical Engineering	
2	Prof. M. S. Balakrishna	Department of Chemistry	"Prof. S. C. Bhattacharya Award for Excellence in Pure Science"
3	Prof. S. Sudarshan	Computer Science and Engineering	"Prof. H. H. Mathur Award for Excellence in Applied Sciences"
	Prof. Vivek Agarwal	Department of Electrical Engineering	
4	Prof. Arti Kalro	SJM School of Management	Best Teacher award in SJMSOM

Sr. No	Name of Faculty	Department	Name of Award
5	Prof S V Prabhu	Department of Mechanical Engineering	D P Joshi Teaching Award
6	Prof Avijit Chatterjee	Department of Aerospace Engineering	D P Joshi Teaching Award

<u>Scene from Mood Indigo</u>

D. Infrastructure Development

D.1. Wadhwani Electronics Laboratory

IIT Bombay's Distinguished Alumnus Dr Romesh Wadhwani is the major contributor towards the "Wadhwani Electrconis Laboratory", acquiring several low-end type and a few high-end type instruments and a large number of computers. This donation from Dr Romesh Wadhwani has also supported activities such as Electronics Lab Course (analog & digital – UG – 2nd and 3rd year students), Electronic Design Lab (3rd and 4th year UG students), Microprocessor Lab Course and competition-related events in Techfest. The laboratory has significantly enhanced the activity in the Electrical Engineering Department both qualitatively and quantitatively.

Financial Report

Particulars	Amount (Rs)
Opening Balance as per 01/04/15	1,16,86,971
Addition during the year	29,54,153
Expenses during the year	25,11,390
Closing / Remaining Balance as per 31-03-16	1,21,20,734

D.2. Applied Materials Laboratories

Applied Materials Exploration Center at IITB, which was inaugurated on May 15th 2013, is the third infrastructure facility wherein Applied Materials is collaborating with IITB since the past 7 years. The vision is to consolidate all ongoing Applied Materials - IITB research at a single platform. Applied Materials Exploration Center is envisioned to provide the necessary

platform to step up the Applied Materials-IITB collaboration by enabling the Center of Excellence in Materials Synthesis for next generation ALD, Solar, Display, Energy Storage and CVD technology.

Consolidated Financial Report

Particulars	Amount (Rs)
Opening balance as on 01-04-2015	4,92,94,003
Addition during the year	3,08,50,463
Less Expenditure during the year	2,83,79,471
Balance as on 31-03-2016	5,17,64,995

Detailed Financial Report

Annual Sponsored Projects

Particulars	Amount (Rs)
Opening balance as on 01-04-2015	2,40,63,767
Addition during the year	97,20,750
Less Expenditure during the year	99,79,471
Balance as on 31-03-2016	2,38,05,046

CTO Project

Particulars	Amount (Rs)
Opening balance as on 01-04-2015	2,52,30,236
Addition during the year	1,66,20,250
Less Expenditure during the year	1,43,50,000
Balance as on 31-03-2016	2,75,00,486

Chemistry Projects

Particulars	Amount (Rs)
Opening balance as on 01-04-2015	0
Addition during the year	45,09,463
Less Expenditure during the year	40,50,000
Balance as on 31-03-2016	4,59,463

D.3. National Center of Mathematics

National Centre for Mathematics has been set up as a joint centre of TIFR and IIT Bombay. The Centre's main activities include short-term courses, workshops, national and international conferences for researchers in mathematics and its applications. The support of Prof Ravi Kulkarni and ARSI Foundation have also been very important to NCM.

Consolidated Financial Report

Particulars	Amount (Rs)
Opening Bal. as on 01-04-2015	3,60,388
Addition during the year	NIL
Expenditure during the year	NIL
Closing Bal. as on 31-03-2016	3,60,388

D.4 Wadhwani Research Centre for Bioengineering (WRCB)

Wadhwani Research Center for Bioengineering (WRCB) has been set up at IIT Bombay as an inter-departmental virtual center with a generous donation from the Wadhwani Foundation. The objective of WRCB is to promote innovation in bioengineering through translational research. WRCB is envisaged as an enabling mechanism to ramp up IIT Bombay's research and technology development efforts in bioengineering.

Consolidated Financial Report

Particulars	Amount (Rs)
Opening balance as on 01-04-2015	NIL
Addition during the year	3,01,15,415
Less expenditure during the year	15,80,526
Less expenses committed towards research projects	1,61,35,000
Balance as on 31-03-2016	1,23,99,889

D.5 Tinkerer's Laboratory

Indian Institute of Technology Bombay has established a Tinkerers' Laboratory that will provide an enabling physical environment for young engineering students to go hands on and give form and expression to their innovative and creative natures. The Lab has been established with a generous funding received from the Class of 1975, who have pledged a sum of Rs 2 crore towards it. The '75 batch alumni team have moreover, offered to provide mentoring, run workshops and help organize lectures by famous innovators from India and abroad, for the benefit of IIT Bombay students.

Consolidated Financial Report

Particulars	Amount (Rs)
Opening balance as on 01-04-2015	17,07,886
Addition during the year	-
Less Expenditure during the year	5,30,243
Balance as on 31-03-2016	11,77,643

D.6 Tata Centre for Technology & Design

Tata Centre for Technology & Design at IIT Bombay was established in 2014 with support from the Tata Trusts. The center aims to develop solutions to challenges faced by resource-constrained communities within India and across the world using an end-to-end innovation approach. Through this process the center aims to develop human resources who are trained in technology, design and entrepreneurship by way of project work, coursework and field practice. The center nurtures next generation leaders in engineering & business fields who deal with pressing problems in society in the context of complex economic, social and environment factors.

Particulars	Amount (Rs)
Opening Balance as per 01-04-2015	16,35,45,042
Addition during the year	20,64,40,000
Expenses during the year	8,23,00,666
Closing Balance as per 31-03-2016	28,76,84,376

D.7. Desai Sethi Centre for Entrepreneurship

In a major leap towards encouraging the entrepreneurship spirit among its students, Indian Institute of Technology Bombay established an Entrepreneurship Centre with a generous funding received from Syntel Co-founder and distinguished Alumnus Bharat Desai and Ms. Neerja Sethi, under the aegis of The DS Foundation (Desai Sethi Family Foundation). The Centre is named as 'Desai Sethi Centre for Entrepreneurship', fosters entrepreneurship and technology innovation through new programs for education and research, multi-disciplinary courses, research laboratories and partnerships. Students participating in the programs offered by the centre receive instruction and mentorship from the IITB faculty, serial entrepreneurs, business leaders as well as distinguished guest faculty from leading international institutions.

Consolidated Financial Report

Particulars	Amount (Rs)
Opening Balance as per 01-04-2015	73,23,298
Addition during the year	3,18,40,266
Expenses during the year	61,23,993
Closing Balance as per 31-03-2016	3,30,39,571

D.8. Shenoy Innovation Studio

Shenoy Innovation Studio has been established to create a paradigm shift in design so that student projects can be nurtured to innovation. The studio also supports industries by conducting industry workshops and collaborative projects to design innovation pedagogy and facilitate in-house innovation. It is established in Industrial Design Centre with a generous funding received from Distinguished Alumni Mr Sudhakar Shenoy & Mr Suresh Shenoy.

Consolidated Financial Report

Particulars	Amount (Rs)
Opening Balance as per 01-04-15	11,53,345
Addition during the year	-
Less Expenses during the year	6,19,430
Balance as on 31-03-2016	5,33,915

Renaming of Main Auditorium as Prof B Nag Auditorium

E. Class Projects

The Silver Jubilee tradition has included contributing back to IITB through a Class /Legacy Projects. This contribution is meant as a:

- Token of appreciation for the role that the years at IIT played in our professional and personal development of the students.
- Way of helping the Institute to advance its goals by supporting the Institute in critical areas which are underserved by Institute funding.

Following is the list of various class projects maintained by Dean ACR office –

E.1. Class of '72

Class of 1972 initiated the project towards the Hostel maintenance during their Silver Jubilee Reunion in 1997. The amount is used for the upkeep of various Hostels on campus.

Particulars	Amount (Rs)
Opening Bal. as on 01-04-2015	47,10,538
Add Interest during the year	1,70,308
Expenditure during the year	-
Closing Bal. as on 31-03-2016	48,80,846

E.2. Class of '75

Class of 1975 initiated the Gymkhana cum cultural complex project with the objective to Establish modern infrastructure for sports & cultural activities among IITB students.

Particulars	Amount (Rs)
Opening Bal. as on 01-04-2015	9,74,208
Addition during the year	-
Expenditure during the year	-
Closing Bal. as on 31-03-2016	9,74,208

E.2. Class of '78

Particulars	Amount (Rs)
Opening Bal. as on 01-04-2015	-
Addition during the year	17,64,337
Expenditure during the year	17,64,337
Closing Bal. as on 31-03-2016	-

E.3. Class of '80

The Batch of 1980 Alumni choose the "Rejuvenation of Powai lake" project as a part of their Legacy project. Powai lake has deteriorated over the years due to siltation, weeding, sewage & other encroachments. The funds have been used for the betterment of Powai Lake and its surroundings.

Class of '80

Particulars	Amount (Rs)
Opening Bal. as on 01-04-2015	16,28,445
Addition during the year	-
Expenses during the year	-
Closing Bal. as on 31-03-2016	16,28,445

E.4. Class of '81

Financial Aid Program (Legacy project of C'81) has been helping students requiring financial support with loans. The FAP is managed by IIT Bombay Alumni Association and provides loans to students for expenses such as purchase of computer.

Particulars	Amount (Rs)
Opening Bal. as on 01-04-2015	3,54,231
Addition during the year	10,700
Expenditure during the year	-
Closing Bal. as on 31-03-2016	3,64,931

E.5. Class of '82

All new faculty members joining from June 2011 will be paid Rs. 4 lakhs over three years. The Class '82 initiated this project; Class '77, Class '83, Class' 84, Class '88 & Class of 89 have also joined into support the program.

C'82

Particulars	Amount (Rs)
Opening Bal. as on 01-04-2015	-
Addition during the year	20,000
Expenditure during the year	20,000
Closing Bal. as on 31-03-2016	-

C'83

All new faculty members joining from June 2011 will be paid Rs. 4 lakhs over three years. The Class '82 initiated this project; Class '77, Class '83, Class' 84, Class '88 & Class of 89 have also joined into support the program.

Particulars	Amount (Rs)
Opening Bal. as on 01-04-2015	-
Addition during the year	1,22,71,334
Expenditure during the year	1,22,71,334
Closing Bal. as on 31-03-2016	-

C'84

All new faculty members joining from June 2011 will be paid Rs. 4 lakhs over three years. The Class '82 initiated this project; Class '77, Class '83, Class' 84, Class '88 & Class of 89 have also joined into support the program.

Particulars	Amount (Rs)
Opening Bal. as on 01-04-2015	-
Addition during the year	73,28,251
Expenditure during the year	73,28,251
Closing Bal. as on 31-03-2016	-

E.6. Retired Faculty Wellness Fund

The Classes of '84, 85, 87, 88, & Class of '89 with a view to express their gratitude to their faculties, the batch initiated a legacy project which is called Retired Faculty Wellness Fund (RFWF).

Particulars	Amount (Rs)
Opening Balance as on 01-04-2015	41,77,508
Additions during the year	30,05,001
Expenditure during the year	33,33,151
Closing balance	38,49,358

E.7. Class of '85

The Class of 1985 had their Silver Jubilee Reunion in December 2010. The Class decided to institute the C '1985 Silver Jubilee Legacy Project & have donated funds to IITB with a view to promoting academic & research activities, faculty welfare & student assistance. Their LP consist of following three schemes:

1. **Entrepreneurship Cell:** To help E-cell to foster entrepreneurship on the IITB campus & more specifically fostering entrepreneurship in the area of technology & Sustainable Development.

2. **Retired Faculty Wellness Fund**: Health benefits for faculty members who retired prior to 2003 from IITB and do not have any post – retirement medical scheme "health benefits".
3. **Young Faculty Awards**: The Class propose to contribute to the YFA program, which provides joining bonus to young faculty members joining IITB. The objective is to assist IITB to recruit Professors of excellent quality.
4. **Chair Professorship**: The Class of 85 with a view of promoting academic pursuit & research in the area of technology & sustainable development, have donated to IITB for the purpose of creating a Chair & the Chair shall be called the "Class of 1985 Chair in Technology & Sustainable Development".

Particulars	Amount (Rs)
Opening Bal. as on 01-04-2015	NIL
Additions during the year	6,54,000
Expenditure during the year	6,54,000
Closing Bal. as on 31-03-2016	NIL

E.8. Class of '86

Class of 1986 celebrated its Silver Jubilee reunion in December 2011. The tradition of past IITB batches has been to contribute back to its alma mater through a Legacy Project. The class of 86 funds projects for providing support to students through strengthening the mental health support system of the Institute.

Counseling Services Program: In order to appropriately address the emotional and physiological needs of the students the Class of 1986 has contributed to establish and enhance a professional counseling service program that entails the following:

Recruiting professional physiological counselor. Formalizing & providing mentoring services through alum community to help with career counseling and industry mentoring.

Particulars	Amount (Rs)
Opening Bal. as on 01-04-2015	43,47,962
Additions during the year	6,85,621
Expenditure during the year	8,88,583
Closing Bal. as on 31-03-2016	41,45,000

E.9. Class of '87

The Class of 1987 had their Silver Jubilee Reunion in December 2012. The Class decided to institute the C '1987 Silver Jubilee Legacy Project & have donated funds to IITB with a view to promoting academic & research activities, faculty welfare & student assistance. Their LP consist of following three schemes:

1. **Technology & Development Solutions Cell**: This program will support a center under the CTARA that will allow IITB to carry out relevant academic & research activities as well as to accept & deliver projects that apply technology to solve developmental needs in rural areas.
2. **Retired Faculty Wellness Fund**: Health benefits for faculty members who retired prior to 2003 from IITB and do not have any post – retirement medical scheme "health benefits".
3. **Student Financial Assistance**: This is student assistance project to support financial needs of students.

Particulars	Amount (Rs)
Opening Balance as on 01-04-2015	36,56,440
Additions during the year	2,92,515
Expenditure during the year	-
Closing Bal. as on 31-03-2016	39,48,955

E.10. Class of '88

The Class of 1988 had their Silver Jubilee Reunion in December 2013. The Class decided to institute the C '1988 Silver Jubilee Legacy Project which will consist of the following four schemes:

1. **EE Department Laboratory Fund**: The batch has provided supported innovation & research & to that effect propose to contribute Rs 40 lakhs to the EE Department to specifically support the activities of innovation laboratory of EE Department.
2. **Retired Faculty Wellness Fund**: Health benefits for faculty members who retired prior to 2003 from IITB and do not have any post – retirement medical scheme "health benefits".
3. **Young Faculty Awards**: The Class has contributed to the YFA program, which provides joining bonus to young faculty members joining IITB. The objective is to assist IITB to recruit faculty members of excellent quality.
4. **Student Scholarships:** This is a student assistance project to support financial needs of students.

Particulars	Amount (Rs)
Opening Balance as on 01-04-2015	51,31,889
Additions during the year	21,49,617
Transferred to Endowment Account	72,81,506
Closing Bal. as on 31-03-2016	NIL

E.11. Class of '89

The Class of 1989 had their Silver Jubilee Reunion in December 2014. The Class decided to institute the C '1989 Silver Jubilee Legacy Project which consists of the following three schemes:

1. **Young Faculty Awards**: The Class propose to contribute to the YFA program, which provides joining bonus to young faculty members joining IITB. The objective is to assist IITB to recruit Professors of excellent quality.
2. **Retired Faculty Wellness Fund**: Health benefits for faculty members who retired prior to 2003 from IITB and do not have any post – retirement medical scheme "health benefits".
3. **Student Scholarships:** This is a Student assistance project to support financial needs of students.

Particulars	Amount (Rs)
Opening Balance as on 01-04-2015	1,13,27,229
Additions during the year	9,00,000
Expenditure during the year	1,22,27,229
Closing Bal. as on 31-03-2016	NIL

E.12. Class of '90

The Class of 1990 had their Silver Jubilee Reunion in December 2015. The Class decided to institute the C'1990 Silver Jubilee Legacy Project which consists of the following three schemes:

1. **Young Faculty Awards**: The Class propose to contribute to the YFA program, which provides joining bonus to young faculty members joining IITB. The objective is to assist IITB to recruit Professors of excellent quality.
2. **Retired Faculty Wellness Fund**: Health benefits for faculty members who retired prior to 2003 from IITB and do not have any post – retirement medical scheme "health benefits".
3. **Student Scholarships:** This is a student assistance project to support financial needs of students.
4. **Innovation, Development and Entrepreneurship with Alumni Support (IDEAS) program:** This program focuses on providing pre-incubation support to students and faculty with the intention to further enrich the entrepreneurship ecosystem at IITB.
5. **Clean Green Campus Program**: This program aims to facilitate creation of a Model Clean, Green Campus at IIT Bombay that will be the benchmark of every other academic institute in India.

Particulars	Amount (Rs)
Opening Balance as on 01-04-2015	-
Additions during the year	76,71,250
Expenditure during the year	-
Closing Bal. as on 31-03-2016	76,71,250

F. Endowments

F.1. Prof A Jaganmohan Award Endowment

Prof Jaganmohan was a Faculty member at IITB from 1st June 1958 to 31st August 1992. His brother Dr Shivram Murty (Alumnus of IITB) has set up this award in memory of his elder brother. The criteria for this award is Faculty in Mechanical Engineering based on excellence in teacher. The awardees is decided by Final year students of B.Tech, Dual Degree & M.Tech. Programs. The number of awardees is limited two each year, with the additional condition that an awardee is not considered for the next three years. Each awardee receives an award amount of Rs 50,000/-.

Particulars	Amount (Rs)
Opening Bal. as on 01-04-2015	27,63,024
Add Interest for the current year	1,65,034
Addition during the year	-
Less Expenditure during the year	1,50,000
Closing Bal. as on 31-03-2016	27,78,058

F.2. Library Journals & Sci Finder Endowment

The Library endowment is funded by donation from the IIT Bombay Heritage Foundation to help with subscriptions of technical journals.

Particulars	Amount (Rs)
Opening Bal. as on 01-04-2015	1,90,24,613
Interest available as on 01-04-2015	25,89,125
Addition during the year	-
Expenditure during the year	-
Closing Bal. as on 31-03-2016	2,16,13,738

F3. Prof. S.P. Sukhatme Endowment

This fund was set up in honor of our former Director Prof S P Sukhatme. Alumni & well Wwishers have contributed towards this fund. The expenses incurred towards the following books are paid from this account's interest. History Book, Punctuations, Salt N Pepper & Four Decades at IIT Bombay.

The money collected from the sale of the History Book & Punctuations is credited in this account.

Particulars	Amount (Rs)
Opening Bal. as on 01-04-2015	36,39,698
Interest earned up to 01-04-2015	16,56,502
Addition during the year	2,600
Interest during the year	2,91,280
Interest Closing Bal. as on 31-03-2016	19,47,782

F.4. N R Kamath Chair Professorship Endowment

Prof N R Kamath served IIT Bombay as a faculty member until his superannuation in 1973. He also served as the head of Chemical Engineering department and Deputy Director for several years. A number of Donors who are alumni of IIT Bombay as well as a number of corporate bodies, with a view the honor the immense contributions of Prof N R Kamath to the Institute, and to concurrently promote academic excellence, have committed to donate a substantial amount for the purpose of creating a chair Professorship endowment.

Particulars	Amount (Rs)
Opening balance as on 01-04-2015	4,45,63,882
Interest available as on 01-04-2015	3,34,500
Addition during the year	12,91,681
Interest during the year	11,92,578
Interest closing balance as on 31-03-2016	15,27,078

F.5. Wadhwani Research Centre for Bioengineering (WRCB) Endowment

The objective of WRCB is to establish a new standard for translational research and development in the field of bioengineering in India. The WRCB funds can be used for carrying out translational research projects, topping off salaries, for hosting visiting faculty, conference expenses, post-doctoral fellows & research scholars, etc. The Institute provides the infrastructure like facilities, labs, admin support, etc. for WRCB.

Particulars	Amount (Rs)
Opening balance as on 01-04-2015	5,85,71,415
Interest Addition during the year	37,92,866
Expenditure during the year	-
Closing Balance as on 31-03-2016	6,23,64,281

Silver Jubilee Reunion of C'1990

G. IIT Bombay Heritage Foundation Donations

The IIT Bombay Heritage Foundation Inc. was established as a non-profit public benefit corporation in California, USA and received its status as a tax-exempt organization from the Internal Revenue Service of the USA on July 5, 1996. The Foundation has authorization under the Federal Classification level of 170(b) (1) (A) (VI). The Foundation is not organized for the private gain of any person. It is organized under the Nonprofit Public Benefit Corporation Law for charitable purposes. The specific purposes for which the Foundation is organized are to fund and promote education and research among students of the Indian Institute of Technology, Bombay.

The Donations received from IITBHF are to support various activities, and are accounted for under the heads mentioned above. Following is the list of some major donations granted by IITBHF in the year 2015-16:

Category	Grant 186	Grant 187	Grant 188	Grant 189	Grant 190	Grant 191	Total	Cumulative Total
1969 golden jubilee fund	$1,200						$1,200	$23,974
1988 Legacy Project			$32,500				$32,500	$151,260
Alumni Services						$76,264	$76,264	$76,264
Class of 1977 Project			$8,354				$8,354	$220,666
DS Foundation Entrepreneurship Center			$500,000				$500,000	$1,000,000
Faculty Development Fund (FDF)	$20,974						$20,974	$425,089
Gautam Advani fund			$4,000				$4,000	$4,000
HATS & Hostel Renovation	$15,665		$150				$15,815	$351,926
Indira Foundation Programs					$50,000		$50,000	$450,000
Chair in Civil Engg Dept. - Jitendra Mehta	$40,592						$40,592	$80,592
Student Scholarships	$144,100		$34,500		$28,727		$207,327	262 Named Scholarships
Narendra Joshi Faculty Award	$5,000						$5,000	$45,000
Prof. N. R. Kamath Chair	$78,227		$2,853				$81,080	$81,080
Qualcomm Grant to CMOS RF Design - EE Dept		$50,000					$50,000	$50,000
Student Development Fund (SDF)	$50,000			$2,000			$52,000	$419,611
Wadhwani Electronics Lab (WEL)						$44,444	$44,444	$707,771
Wadhwani Research Center for Bioengineering (WRCB)						$500,000	$500,000	$1,000,000
Young Faculty Award	$45,062						$45,062	$467,510
Total Grants made in 2015	**$400,820**	**$50,000**	**$582,357**	**$2,000**	**$78,727**	**$620,708**	**$1,734,612**	

H. Lecture Series

H.1. Technigraphics Lecture

This lecture was not held during the year 2015-16.

About TechniGraphics Lecture Series:

The Technigraphics Lecture Series is made possible by a generous donation from the TechniGraphicS Foundation. Distinguished Alumnus Deepak Vaidya is one of the trustees of the foundation and was also the founder and chairman of TechniGraphicS. Earlier distinguished speakers include Mr. Vicente Fox, former President of Mexico and Bharat Ratna Prof. CNR Rao.

H.2. CV Sheshadri Lecture

This lecture was not held during the year 2015-16.

About the CV Sheshadri Lecture Series:

The Godrej group and friends, families and students of the late Professor C.V. Seshadri have initiated an endowment at IIT Bombay for an Annual Institute Distinguished Lecture in the Department of Chemical Engineering, in memory of Professor Seshadri. Mr.Jamshyd Godrej, CMD, Godrej & Boyce Manufacturing Co. Ltd., has very kindly initiated this corpus with a generous contribution through the Pirojsha Godrej Foundation.

H.3. Girish Sant Memorial Lecture

Speaker: Dr. Sunita Narain, Director General, Centre for Science and Environment, New Delhi.

This year's first Institute Distinguished Lecture in memory of Mr Girish Sant was held on 9 October 2015 by Dr. Sunita Narain. The title of the lecture was "The energy question for India? Clean energy or energy access?

Abstract:

The energy question for India? Clean energy or energy access? Or both and is this possible? The growing threat of climate change is putting our world at risk. It is clear we need to

reinvent, indeed transform the fossil based energy system of the world. But what does a country like India do, where large numbers still do not even have basic needs of energy secured. What can and should we do when even dirtiest energy is too expensive for many to use and pay for? This is the real challenge -- and answers to this will help fix our future. This is what the Speaker will discuss at the Girish Sant Memorial Lecture.

About the Girish Sant Memorial Lecture Series:

The batch of 1986 has endowed a lecture series in memory of Girish Sant, who was an alumnus of 1986 batch. They have created a corpus for the same, and the lectures are to be in the area of energy, environment or related topics in memory of Girish, who was a passionate advocate of energy and alternative energy & sustainable development.

H.4. Indira Foundation Distinguished Lecture

Speaker: Professor Avi Wigderson, School of Mathematics, Institute for Advanced Study, Princeton.

The third annual Indira Foundation lecture was delivered by Prof. Avi Wigderson, Title for the lecture was: The "P vs. NP" problem: Efficient computation, Internet security, and the limits to human knowledge.

Abstract:

The "P vs. NP" problem, formulated by computer theorists in the 1970s, became a central outstanding problem of science and mathematics. In this talk the speaker endeavored to describe its mathematical, scientific and philosophical content. He discussed its status, and the implications of its resolution on science and technology (making clear that the $1M prize on solving it pales in comparison with these implications).

About the Lecture Series:

Indira Foundation Distinguished Lecture Series was instituted by Indira Foundation, which has been established by Mr. Avi Nash, a Distinguished Alumnus of the Institute. The lecture is held annually in the area of interest to a wider audience that transcends departments and niche research areas. The inaugural lecture in this series was given by Professor George Church from Harvard Medical School in 2013 on "Biologically Inspired Engineering" and the second lecture was delivered by Prof. Uriel Frisch from Observatoire de la Cote d'Azur, University of Nice in 2014.

H.5. Prof K.C. Khillar Lecture in Chemical Engineering

Speaker: Prof. Prabhu R. Nott, Department of Chemical Enginering, Indian Institute of Science, Bangalore.

This year's first Institute Distinguished Lecture in Chemical Engineering in memory of Prof.K.C.Khilar was held on April 16, 2015 by Prof Prabhu Nott. The title of the lecture was **How** similar to fluids are collections of grains? Similar, and very different.

Abstract

Collections of grains (such as sand, food grains, and mineral ores) often exhibit fluid-like behaviour, despite the obvious differences between macroscopic grains and fluid molecules. But there are qualitative differences in the details of their kinematic and stress response. The lecture will highlight the broad features of granular flows, their importance to industrial processes, and very briefly outline the continuum-mechanical models that describe them. Prof. Prabhu R. Nott will describe recent experiments that reveal the kinematics and stress in sheared granular materials, and compare it with that of fluids.

The rheological properties of fluids are measured in devices that generate a class of simple flows, called viscometric flows — the cylindrical Couette cell, consisting of two coaxial cylinders is such a device. When a fluid is sheared by rotating the inner cylinder, the streamlines are circular for low angular speeds; above a critical speed, a centrifugal instability causes a secondary flow in the form of a vertical train of counter-rotating Taylor vortices. In contrast, experiments on dense granular materials show a large, single vortex that spans the entire column. The sense of the vortex is opposite to that of the Taylor vortex, and is present at very small angular speeds, suggesting that it is not the result of an instability, but an inherent feature of the flow. These observations are not explained by the existing continuum-mechanical models for granular materials. The speaker in his lecture suggested how our anomalous observations may be explained, and comment on its relevance to the rheometry of granular materials.

About the Prof. KC Khilar Lecture Series:

The corpus is designed for an annual visit by a distinguished researcher working anywhere in India or abroad, both from academia and industry. Upcoming young researchers could also be invited. This would provide an excellent opportunity for the final year UG and the PG students of our department to listen to and interact with a distinguished person. The distinguished visitor will spend about three to five days in the Department of Chemical

Engineering, IIT Bombay (he/she will be provided a fully equipped office during the stay). He/she will deliver one Institute Distinguished lecture and two to three Department lectures especially for research students, and interact with the departmental faculty and students, individually or in groups, during the stay. The lectures will be widely publicized.

H.6. Westinghouse – IIT Bombay Nuclear Engineering Leadership Lecture Series

This lecture was not held during 2014-15.

About the Lecture Series:

This Leadership Lecture series would invite Indian / International senior Government policy makers, industry executives, and researchers from R & D organizations and Academic innovations, industry challenges & share their experiences / insights with IITB students and interested public. The topic of the lecture shall be contemporary in nature or of relevance to the field of Nuclear Engineering, Science & technology.

H.7. ICICI Bank G L Mehta Lecture

Speaker: Prof Kaushik Basu, Senior Vice-President and Chief Economist, The World Bank.

This year's first Institute Distinguished ICICI Bank G L Mehta Lecture was held on 26 August 2015 by Prof Kaushik Basu. The title of the lecture was Can India Lead Global Growth?

Abstract:

The question that is in the title of this lecture would get laughed out of court even a decade or two ago. But with India's growing maturity, improving quality of policy discussions, and steady improvement in performance over the last two decades, this is now a legitimate question to ask. It will be argued in this lecture that the Indian economy is indeed in a position where it could be the leading growth driver for the world. But to realize this there are initiatives and actions needed at various levels, from the state, through the private sector, to civil society organizations. The initiatives will have to range from certain specific macroeconomic policies to promote industrial development and exports, and microeconomic policies to boost skill formation, higher education and research, to strengthening institutions for a

cohesive society. Drawing on recent global experience and also theoretical writings from economics and its neighboring disciplines, the lecture will touch on all these topics and try to lay out an agenda for India.

About the Lecture Series:

The GL Mehta Memorial Lecture was instituted in the early seventies in memory of Mr G L Mehta, who was the second Chairman of IIT Bombay's board of governors. Mr Mehta was also the Founding Chairman of ICICI. The lecture is delivered by eminent economists, corporate leaders and development experts. The first lecture was held in February 1976 and noted economists Dr K N Raj spoke on "Growth and stagnation in Indian Industrial Development". The lecture held in January 2013, was delivered by Nobel Laurate Prof Amartya Sen, he spoke on "India: a Defense and a critique".

H.8. Radhika Rajan Leadership Lecture

Speaker: Ms. Santosh Yadav, Everest Foundation

Second Annual - Radhika Rajan Leadership Lecture by Ms. Santosh Yadav was held on 2 March 2016.

Abstract:

Personal achievements are result of a holistic process that involves multiple human facets encompassing technical skills, teamwork, emotions at play, as well as positive traits linked to human development. The latter are strongly linked to one's physical, psychological, intellectual, social and spiritual maturity. Inspired by the speaker's own experiences and personal conquests, the talk will cover the topics of motivation, leadership and team building, management of risk and health from a broad perspective.

About the Speaker: Ms. Santosh Yadav is an Indian mountaineer. She is the first woman in the world to climb Mount Everest twice, and the first woman to successfully climb Mt Everest from Kangshung Face. She first climbed the peak in May 1992 and then did it again in May 1993. Ms. Yadav graduated from the Maharani College, Jaipur, in Economic (Honours) in 1987. In 1986 she did her Basic Mountaineering Course from the Nehru Institute of Mountaineering (NIM), Uttarkashi and did the Advance Mountaineering Course from the same Institute in the following year.

Ms. Santosh Yadav has been honoured with many awards, prominent of which are: "Mahila Shiromani Award" in 1992; Rajasthan State "Maharana Pratap Award" in 1992; Indian

Mountaineering Foundation's "Gold Medal" for distinguished mountaineering in February 1993; "Bhim Award" by the Government of Haryana in 1993; "Rajiv Gandhi Excellence Award" in 1993; Maharashtra's "Veer Savarkar Gallantry Award" in 1993; "National Adventure Award" of Government of India in 1994; "Bharat Gaurav Award" in 1995; Prestigious "K K Birla Special Award" for Sports in 1998. In August 1999, Indian Space & Research Organisation (ISRO) – Chairman, Mr. K. Kasturirangan awarded her "for making the best use of the global positioning system", among other achievements. On January 26, 2000, the President of India honoured her with the award of "PADMASHRI", one of the highest civilian awards, for her excellence in the field of mountaineering.

Ms. Yadav is a member of International Youth Commission (UIAA). She is associated with the Indian Mountaineering Foundation (IMF) as an elected member of Governing Council, for last nine years. She is Hon. Secretary of the Indian Adventure & Mountaineering Association (IAMA). She is also life member of the National Adventure Foundation (NAF) and life member of the World Women Everest Association, Japan. And was also a member of Expert Committee in the Ministry of Youth Affairs & Sports, Government of India.

Lord Francis Maude's visit to IIT Bombay

I. Major Events Organized by Dean ACR Office

I.1. Institute Valedictory Function

The Institute Valedictory Function for class of 2015 was held on 30th April 2015 in the newly renovated P. C. Saxena auditorium. The event saw the auditorium packed with final year students who were eager to attend this "last lecture" before graduating from their beloved institute. Prof. Juzer Vasi of Electrical Engineering department was the Chief Guest of the function. He has held the several important positions including that of Head of Department and Deputy Director of the Institute. More than 600 graduating students also took the Give One for IIT pledge, wherein they pledged to donate 1% of their first year's income to the Institute to support its various activities.

I.2. UK Trade & Investment Minister visit IIT Bombay

The Right Honorable Lord Francis Anthony Aylmer Maude paid a visit to the IIT-Bombay campus as part of his tour to India. He gave a speech on the increasing opportunities for collaboration between British and Indian industries and entrepreneurs. His speech was followed by a talk on opportunities offered by British universities which was given by professors from various British universities and research centers. The Lord's speech was attended by professors, students and officials from IIT-Bombay. He talked about the common history that India shared with Britain. He mentioned how impressed he was with his visit to Bangalore and how he considered it to be the best city. He said that UK-India relations have been on the rise but there is a lot of ground left to be covered. He was accompanied by officials from the British Consulate in India who helped him in the Q&A session. During the session, myriad questions were asked ranging from increasing entrepreneurship ventures to the impact of international trade on the common man. He acknowledged that Indian students were respected all over the world and that many of the emerging start-ups in Britain were headed by people of Indian origin. The official from the British Consulate invited Indians to come to Britain for job opportunities and elaborated on how Britain was easy for Indians to adjust to since the British themselves were quite acquainted with Indian culture, food and movies. The session ended with a rousing applause from the audience.

I.3. Student Alumni Meet

The fifth edition of the annual Student Alumni Meet (SAM) was held at IIT Bombay on the 3rd and 4th of October 2015. The flagship event of the Student Alumni Relations witnessed participation of a large number of students, faculty members and alumni alike. SAM 5.0 was initiated by a galvanizing talk- **"Being an Entrepreneur"** given by our own alumni Mr Deepak Birewar and Mr GKK Singh, who gave a talk about the ways, opportunities and hurdles one faces while being an entrepreneur. An interesting talk series **"Beyond the Horizons" (BTH)** was held on alternative career choices. The talks were delivered by alumni who had taken the road less travelled - Mr Anshul Singhal, the director of Imran Khan and Kangana Ranaut starrer movie Katti Batti. The Tech Expo was organized throughout the two days, with over 200 students showcasing their projects and research.

The second day of SAM 5.0 kicked off with a one of its kind event: **"Social Sector Networking"**, which witnessed an enthusiastic audience of students and alumni aspiring to bring a change in the society by doing something for the underprivileged. The students were informed of the nuances of opening a startup catering to the social sector. Founders of well-known startups like Saral Designs and rural activists like Mr Deepak Gupte delivered the talks in this session. SAM 5.0 concluded with the Alumni Sports Meet (ASM), with the Institute team playing friendlies in tennis, squash and basketball with the alumni team.

I.4. Alumni Day & Presentation of Distinguished Service Awards

The annual Alumni Day was held on the last Sunday of the year, viz. on December 27, 2015 with the usual pomp and splendor. The Institute address was delivered by the Director, Prof. Devang Khakhar, Director who highlighted the changing character of the Institute due to strong emphasis on research. He pointed out that more than 50% of the students are now in post-graduate programs, which has contributed to a drastic increase in scientific peer-reviewed publications, patents and technology transfer from the Institute. He also emphasized the important contributions being made by the alumni in the progress of the Institute through contributions of their time, skills, knowledge as well as monetarily supporting several important initiatives and thanked them for their contributions. The Distinguished Service Awards for 2015 were conferred on the IIT Bombay alumni who have contributed in a very notable and sustained manner to the progress of the Institute. This year's awardees were :

1. Mr. Pramod Chaudhuri (B.Tech., 1971, Mechanical Engineering)
2. Mr. Ashok Kalbag (B.Tech., 1974, Mechanical Engineering)
3. Mr. Rajesh Radhakrishnan (B.Tech. 1988, Metallurgical Engineering)
4. Mr. Abhay Sawant (B.Tech., 1988, Electrical Engineering).

During the Alumni Day function, the Silver Jubilee batch (class of 1990) presented their Class Legacy Project and pledged to contribute Rs. 6.5 crores towards the Legacy Project. Mr. Pramod Chaudhury also pledged to contribute a gift of Rs 1 crore to the Institute. Visits to the departments and hostels were also organized during the Alumni Day where the alumni were updated regarding the latest developments. Over 400 alumni participated in the Alumni Day events.

Detailed Profiles Can be found in Appendix K.9.

I.5. Alumni Reunions

Coinciding with Alumni Day, three reunions were held during the last weekend of December. The Silver Jubilee reunion (SJRU), in keeping with tradition, was held on the day prior to Alumni Day. The very enthusiastic batch organized a three-day SJRU on December 25-27, 2015. The batch established an enviable record with the presence of 168 alumni in their SJRU, beating all previous record by a huge margin. The functions consisted of alumni get-together, visits to departments, tours of research facilities, visits to hostels, etc. The class Legacy Project was also announced during the SJRU, and the batch has pledged to donate a whopping Rs. 6.5

crores towards their Legacy Project! The outstanding efforts made by the reunion leaders, whose untiring efforts helped a large number of their classmates to connect with one another and with the Institute were widely applauded.

The class of 1980 held their Jade Jubilee reunion on December 27. This function was also well attended. Speaking on behalf of the batch, Mr. Ram Kelkar mentioned that the alumni of their batch are reaching the end of their professional careers, and can be in the position to contribute more of their time for the Institute.

The class of 2005 held their Decennial reunion on December 27, which was also attended by several alumni. The batch expressed their hope that their Silver Jubilee reunion would be as well attended as that of the class of 1990, and expressed their desire to contribute to the Institute on a continuing basis. They also expressed their wish to start their batch legacy project corpus now itself instead of waiting for their Silver Jubilee year.

I.6. US Annual Roadshow

A delegation from IIT Bomay visited the USA for annual Roadshow on October 3-12, 2015. The delegation consisted of Prof. DV Khakhar, Director, Prof. PM Mujumdar, Deputy Director (Finance & External Affairs), Prof. Ravi Sinha, Dean (Alumni & Corporate Relations) and Prof. JK Verma, Dean (Faculty Affairs). During the visit, the delegation met several alumni, companies, universities and other well-wishers.

The major points of interest during the 2015 USA Roadshow are given below.

A. Faculty Alumni Network (FAN) Symposium

An important event during the annual USA Roadshow is the Faculty Alumni Network (FAN) Symposium. The FAN meeting was held on October 10 at Santa Clara, California. The theme of the FAN Symposium was Advanced Manufacturing. The speakers included experts from industry, from alumni community and IIT faculty members. Around 50 participants attended the symposium and interacted with the speakers and IIT delegation. Some potential faculty candidates, whose names had been recommended by academic units based on the review of their application for faculty position, were also invited to attend the symposium. The IIT officials held interactions with them, and clarified their doubts regarding the academic activities at IIT Bombay and the expectations from new faculty members.

B. Meetings in Universities

During the roadshow, meetings were held with University of Washington at Seattle, University of Washington at Bothell, University of Washington Tacoma, University of California Berkeley, Rice University, University of Houston and Cooper Union. The meetings included discussions with university leadership, review of MOU, discussions on possible MOUs, interactions with alumni and interactions with research students who may be interested in faculty positions at IIT Bombay.

C. Meetings with Companies & Research Organisations

The IIT Bombay delegation participated in meetings with a large number of companies and research organisations during the roadshow. These include Microsoft, Boeing, Facebook, Halliburton and Zentec. The discussions identified topics of interest to these organisations and reviewed ongoing collaborations.

D. Alumni Chapter Events

Chapter meetings involving alumni get-together were organised by the following chapters during the roadshow: Seattle, New York and Bay Area Chapter. During the chapter meetings, an update of the current activities of the Institute was presented. The opportunities of engagement of the alumni with the Institute were also highlighted during the chapter meetings. There was tremendous interest among the alumni to participate in the development of the Institute. The opportunities that were discussed include interactions/mentoring students, offering internship opportunities to students, partnering faculty members in their research activities and delivering expert lectures at IIT Bombay.

I.7. Faculty Alumni Network & Annual Distinguished Alumni Meet

The Faculty Alumni Network (FAN) & Distinguished Alumni Meet (DAM) meets was held in Goa on 16th and 17th of January 2016. IIT Bombay has continued to grow & develop over the years with the help of its successful alumni. Annual Distinguished Alumni Meet is an initiative that brings together IITB's distinguished alumni who have contributed and have been acknowledged for their distinguished services to the society at large. The meet is held annually to plan the strategic growth of the institution in the future years. This event is preceded by Faculty Alumni Network India Symposium where established and early stage researchers in certain identified research areas meet the IITB alumni from the industry. This symposium is to explore young researchers' profiles to be considered for IITB faculty positions. The symposium will also explore possibilities of future association and to facilitate the problem-solving measures with up to date research in the areas such as affordable energy solutions, water and sanitation and affordable healthcare.

I.8. Foundation Day and Distinguished Alumnus & Young Alumni Achievers Award Presentations

IIT Bombay celebrated its 57th Foundation Day on March 10, 2016. As part of the Foundation Day celebrations, the Institute felicitated Dr. Anil Kakodkar, Former Chairman, Board of Governors (BoG), IIT Bombay and Former Secretary, Department of Atomic Energy, Government of India for his leadership and vision during his stint with the Institute. The Institute also felicitated some of its various alumni for their achievements in diverse fields ranging from academics, research, and entrepreneurship by conferring them with Distinguished Alumni

Awards (DAA) and Young Alumni Achiever Awards (YAAA). Prof. Sandip Trivedi, Director of Tata Institute of Fundamental Research (TIFR) was the Chief Guest for the function presented the Distinguished Alumnus Awards, Young Alumni Achiever Awards, the 'Prof. S.C. Bhattacharya Award for Excellence in Research in Pure Sciences', and 'Prof. H.H. Mathur Award for Excellence in Research in Applied Sciences'.

The name of the awardees are as follows:

Distinguished Alumnus Awards 2016:

1. Dr. Cyrus Mehta, B.Tech. Civil Engineering – 1967
2. Dr. Krishna Chivukala, B.Tech. Mechanical Engineering – 1968
3. Mr. Mohan Kavrie, B.Tech. Civil Engineering – 1971
4. Dr. Hemant Kanakia, B.Tech. Electrical Engineering – 1976
5. Prof. Shantikumar V. Nair, B.Tech. Metallurgical Engineering – 1976
6. Prof. Madan Rao, MSc Physics – 1982
7. Dr. Girish Deodhare, B.Tech Electrical Engineering – 1984 & M.Tech. Electrical Engineering – 1986
8. Prof. Rangarajan Pitchumani, B.Tech. Mechanical Engineering – 1986
9. Prof. Moses Charikar, B.Tech. Computer Science & Engineering – 1995

Young Alumni Achiever Awards 2016:

1. Mr. Dhananjay Gore, B.Tech. Electrical Engineering – 1998
2. Dr Nisheeth Vishnoi, B.Tech. Computer Science & Engineering – 1999

J. Appendix
J.1. Funded Scholarship Details

Name of the Donor	Name of the Scholarship	Name of student	Roll. No
Class of 85 Memorial (Shekhar Ayyar)	Samir Shah-Prakash Peres Memorial Scholarship	Sudhir Kumar	13D070036
Abhay Kulkarni	Mr. S.J. & Mrs S.S. Kulkarni	Purushottam	120010016
Avi Nash	Indira Manudhane Scholarship	Harsh Yadav	130020047
Bharat Shiralkar	Mr. S.S. Shiralkar	Ishita Raj Singh	120020063
Gautam Advani	Gautam Advani Scholarship	V Sai Krishna Reddy	13D170028
Lionel D'luna	Lionel J. D'luna Scholarship	Shobhit Gupta	120260025
Noorali Sona walla	Mr Badruddin Sonawalla Scholarship	Meet Udeshi	14D070007
Noorali Sona walla	Mrs. Minaz Sonawalla Scholarship	Saurabh Balkishan Bajaj	13D100008
Noorali Sona walla	Mr Kasamali Virani Scholarship	Utsav Goyal	12D260009
Sunil Shah	Smt. Ila Chandrakant Shah Scholarship	Dinesh Kumar Yadav	12D070015
Tarak Goradia	Mr. Shantilal H. Goradia	Ishita Raj Singh	120020063
Arun Majumdar & Aruna Joshi	M. J. Scholarship	Gurpreet Singh Hora	120040014
Deepak Sabnis	Prof. G.N. Revankar Scholarship	Hiray Shruti Shivram	14D070016

Name of the Donor	Name of the Scholarship	Name of student	Roll. No
Dev Purkayastha	Dwaraka Nath Shuklo Baidya Scholarship	Shobhit Gupta	120260025
Dev Purkayastha	Nagesh C Chaudhuri Scholarship	Saurabh Balkishan Bajaj	13D100008
Dev Purkayastha	Bijoya Chauduri Sholarship	Utsav Goyal	12D260009
Dev Purkayastha	Ashish Prasad Nandi Majumdar Scholarship	Saurabh Balkishan Bajaj	13D100008
Dev Purkayastha	Bibha Nandi Majumdar Scholarship	Purushottam	120010016
Dev Purkayastha	Sandra Lee Purkayastha Scholarship	Vaishnavi Khandelwal	140020052
Dev Purkayastha	David J Dunn Scholarship	Meet Udeshi	14D070007
Dev Purkayastha	Usha Purkayastha Scholarship	Saurabh Balkishan Bajaj	13D100008
Dev Purkayastha	Himangshushekhar Purkayastha Scholarship	Jyot Digant Antani	12D020003
Dev Purkayastha	Gajendra Chandra Malakar Scholarship	Nishant Gaurav	130050036
Ruyintan E. Mehta	Ruyintan E. Mehta Scholarship	Harsh Yadav	130020047
Ruyintan E. Mehta	Ruyintan E. Mehta Scholarship	Prajapati Suraj Sachanlal	130020006
Shenoy, Menezes & others	IIT Alumni at Microsoft Scholarship	Deeksha Singhal	120020066
Shenoy, Menezes & others	IIT Alumni at Microsoft Scholarship	Harsh Yadav	130020047
Shenoy, Menezes & others	IIT Alumni at Microsoft Scholarship	Nishant Gaurav	130050036

Name of the Donor	Name of the Scholarship	Name of student	Roll. No
Shenoy, Menezes & others	IIT Alumni at Microsoft Scholarship	Nazhar Hussain	130110061
Shenoy, Menezes & others	IIT Alumni at Microsoft Scholarship	Kanaparthi Veera Venkata Satish	140050040
Shenoy, Menezes & others	IIT Alumni at Microsoft Scholarship	Suyash Kumar Verma	14D260009
George Tharakan	George Tharakan Scholarship	Dinesh Kumar Yadav	12D070015
Giridharan Iyengar	Mr. & Mrs. Ranganathan Scholarship	Ruchi Agrawal	120010023
Jayant Sathye	Jayant Sathye Scholarship	Ruchi Agrawal	120010023
Kumar & Susan Shah	Kumar & Susan Shah Scholarship	Raunak Suryavanshi	130070024
Prafulla Nabar	Mr M. G. Nabar Scholarship	Raunak Suryavanshi	130070024
Rajeev Mundhe	Mr. Balkrishna K. Mundhe Scholarship	Raunak Suryavanshi	130070024
Anonymous	Scholarship	Raunak Suryavanshi	130070024
Sukumar Thanawala	Dr. Chandrakant Thanawala Scholarship	Sudhir Kumar	13D070036
Neela Mudgal	Late Smt Malati & Shri Jagannath Gavankar	Avani Tanna	12D070001
Arunava Majumdar	MJ Scholarship	Shobhit Gupta	120260025
Ravi Apte	Shri C.K. Apte Memorial Scholarship	Kanaparthi Veera Venkata Satish	140050040

Name of the Donor	Name of the Scholarship	Name of student	Roll. No
Shenoy, Menezes & others	IIT Alumni at Microsoft Scholarship	Varun Rajesh Mittal	130010010
Abhay Talsania	H. J. Talsania Scholarship	Harsh Yadav	130020047
Deepak Kamath	Manohar & Sunita Kamath Scholarship	Rishabh Chourasia	120010013
Deepak Kamath	Manohar & Sunita Kamath Scholarship	Rakesh Kumar Patel	130100061
Dilip Limaye	R. N. Limaye Scholarship	Kanaparthi Veera Venkata Satish	140050040
Rajesh Radhakrishnan	C Vimala Menon & M.R.K Menon	Maddila Rishindra Kumar	120110055
Dady Dadyburjor	Burjor S. Dadyburjor	Abhijith Dimitrov	130020012
Deepak Sabnis	Prof K Shankar Scholarship	Hiray Shruti Shivram	14D070016
Hussain Bhatia	Abbas Bhatia/John A. Martin Scholarship	Najmi Hamza Ismail	120040003
Jayant Kanitkar	Kanitkar Merit Scholarship	Gopale Rajat Mahendra	130040007
Kishor Kulkarni	Dr. Kishor M Kulkarni Scholarship	Suyash Kumar Verma	14D260009
Kishor Kulkarni	Prof. Mohan M. Kulkarni Scholarship	Rishabh Chourasia	120010013
Milind Mahajan	Prabhakar D. Mahajan Scholarship	Najmi Hamza Ismail	120040003
Rajesh Radhakrishnn	Rajesh Radhakrishnan Scholarship	Maddila Rishindra Kumar	120110055
Vidyadhar Kulkarni	Vidyakar and Radhika Kulkarni Scholarship	Rakesh Kumar Patel	130100061

Name of the Donor	Name of the Scholarship	Name of student	Roll. No
Abhay Talsania	Jagjivan Ujamshi Talsania Scholarship	Abhijith Dimitrov	130020012
Abhay Talsania	Mrs Vasant Himatlal Talsania Scholarship	Abhijith Dimitrov	130020012
Jayant Kanitkar	Kanitkar Merit Scholarship	Nambiar Abhishek Shivadas	130040013
Milind Mahajan	Prabhakar D. Mahajan Scholarship	Gopale Rajat Mahendra	130040007
Milind Mahajan	Prabhakar D. Mahajan Scholarship	Nambiar Abhishek Shivadas	130040013
Abraham Thomas	Abraham Thomas Scholarship in Physics	Suyash Kumar Verma	14D260009
Vidyadhar Kulkarni	Vidyadhar & Radhika Kulkarni Scholarship	Kanaparthi Veera Venkata Satish	140050040
Sandeep Vijayakar	Lata Vijayakar Scholarship	Mudit Bothra	140100002
Dwarika Agarwal	Madho & Radha Agarwal Scholarship	Mudit Bothra	140100002
Suresh Nihalani	Suresh & Varsha nihalani Scholarship	Nishant Gaurav	130050036
Suresh Nihalani	Suresh and Varsha Nihalani Scholarship	Mudit Bothra	140100002
Niranjan Talwalkar	Shubha & Anand Talwalkar Scholarship	V Sai Krishna Reddy	13D170028
IITBHF	IITBHF Scholarship	Utsav Goyal	12D260009
IITBHF	IITBHF Scholarship	Nishant Gaurav	130050036
IITBHF	IITBHF Scholarship	Lakumarapu Nikhil Kumar	140050037

Name of the Donor	Name of the Scholarship	Name of student	Roll. No
IITBHF	IITBHF Scholarship	Mudit Bothra	140100002
IITBHF	IITBHF Scholarship	Satyam Nyati	140100067
Rajendra Agarwal	Roopkumar & Surajdevi Agarwal scholarship	Jain Shrenik Sanjay	140110045
Samir Kapoor	Anisbert & Kumarie Sequeira Scholarship	Abhijith Dimitrov	130020012
Samir Kapoor	Dinanath and Gayatri Nath Scholarship	Deeksha Singhal	120020066
Niraj Shah	Chamanlal and Labhkunwar Kothary Scholarship	Amal Manish Dani	120020019
Deepak Sabnis	Prof MV Hariharan Scholarship	Hiray Shruti Shivram	14D070016
Dady Dadyburjor	Soonu Dadyburjor Scholarship	Amal Manish Dani	120020019
Rajesh Rajaraman	N. S. Rajaraman Scholarship	Jain Shrenik Sanjay	140110045
Uday Patil	Vijaya Patil Scholarship	Gopale Rajat Mahendra	130040007
Bhalchander Vishwanath	Meenakshi Vishwanathnan Scholarship	Nazhar Hussain	130110061
Vinod Menon	Dr. P Remadevi Menon	Hiray Shruti Shivram	14D070016
Anonymous	Scholarship	Manmohan Rajendra M	120070004
Anonymous	Scholarship	Rakesh Kumar Patel	130100061
Anil Kumar	Virendra Kumar Scholarship	Pranjal Amule	13D100036
Brijesh Agarwal	Radha Rani Agarwal Scholarship	Pranjal Amule	13D100036
Anonymous	Scholarship	Pranjal Amule	13D100036

Name of the Donor	Name of the Scholarship	Name of student	Roll. No
Anonymous	Scholarship	Jain Shrenik Sanjay	140110045
IITBHF	IITBHF Scholarship	Ruvuru Lohith	140050041
Abhay Talsania	Abhay Himatlal Talsania Scholarship	Utkarsh Brajbhushan Singh	14D070015
Narendra Joshi	Narendra Joshi Scholarship	Utkarsh Brajbhushan Singh	14D070015
Balakrishnan Subramanian	P K Seshambal Scholarship	Suyash Kumar Verma	14D260009
Microsoft alums	Alumni at Microsoft Scholarship	Utkarsh Brajbhushan Singh	14D070015
Microsoft alums	Alumni at Microsoft Scholarship	Bhat Ninad Manjunath	14D110006
Dilip Limaye	PG scholarship Dilip Limaye	Tanvi Kataria	14D110016
Raj pendse	Mrs. Jyotsna Pendse Scholarship	Nazhar Hussain	130110061
Girish Kamath	M. Radhakrishna Kamath Scholarship	Sudhir Kumar	13D070036
Anonymous	Scholarship	Utkarsh Brajbhushan Singh	14D070015
Anonymous	Scholarship	Bhat Ninad Manjunath	14D110006
Kirit Bhansali	Justin Bhansali Memorial Scholarship	Hemil Dhruv	120020006
Rajesh Rajaraman	S Ramamritam Scholarship	Bhat Ninad Manjunath	14D110006
Balaji Srinivasan	Lakshmi & Kadayam Srinivasan scholarship	Hemil Dhruv	120020006
Radhika Rajan	Mrs Amrutha Iyengar Scholarship	V Sai Krishna Reddy	13D170028
Pradeep Anand	T. R.S. Anand & Bhanumati Anand Scholarship	Sanka Venkata Sai Suraj	130010057
Rajesh Mashruwala	Miss A. J. Majmundar Scholarship	Rishabh Chourasia	120010013
Ravi Apte	Dr. Vijaya Apte Memorial Scholarship	Sanka Venkata Sai Suraj	130010057
Ravi Apte	Dr. G.V. Bakore Memorial Scholarship	Patel Fenil Pramodbhai	140020006
Raman Rao	Shri Raman K. Rao Scholarship	Patel Fenil Pramodbhai	140020006
IITBHF	IIT Bombay HF Scholarship	Gujjula Chanukya Vardhan Reddy	140050043
Anonymous	The Electrical Engg Dept Scholarship-1	Sudhir Kumar	13D070036

Name of the Donor	Name of the Scholarship	Name of student	Roll. No
Narendra Joshi	Aditya Joshi Scholarship	Rahul Poonia	120100038
Anonymous	Electrical Engineering Department Scholarship	Satyam Nyati	140100067
Victor Menezes	Menezes Scholarship	Seelam Lakshmi Anoosha	150070055
IITBHF	IITBHF Scholarship	Nandigam Pavan Kumar	140050045
Kumar Shah	Kumar Shah Scholarship -1	Satyam Nyati	140100067
Kumar Shah	Kumar Shah Scholarship -2	Bhat Ninad Manjunath	14D110006
Sandeep Vijayakar	Mr Mukund Vijayakar Scholarship	Rahul Poonia	120100038
Girish Kamath	The Electrical Engg Dept Scholarship-2	Dinesh Kumar Yadav	12D070015
Rajiv Kundalkar	Shankar Ganesh Kundalkar Scholarship-1	Najmi Hamza Ismail	120040003
Rajiv Kundalkar	Shankar Ganesh Kundalkar Scholarship-2	Pranay Bharat Raut	150040009
Deepak Kotwal	Deepak Kotwal 1970 batch Scholarship	Ishita Raj Singh	120020063
1970 batch	1970 Batch legacy Project Scholarship - 1	Satyam Nyati	140100067
1970 batch	1970 Batch legacy Project Scholarship - 2	Varun Rajesh Mittal	130010010
IITBHF	IITBHF Scholarship	Vakacharla Pramod	140050076
IITBHF	IITBHF Scholarship	Prajapati Suraj Sachanlal	130020006
IITBHF	IITB Alumni at Microsoft Scholalrship	Prajapati Suraj Sachanlal	130020006
IITBHF	IITBHF sponsored new scholarship	Anubhav Jain	130100015
Sandeep Vijayakar	Mukund Vijayakar Scholarship	Rakesh Kumar Patel	130100061
IITBHF	Mukund Vijayakar Scholarship	Anubhav Jain	130100015
Shrimati Indumati Bakore	Ravi & Asha Apte Scholarship	Anubhav Jain	130100015
Anonymous	Anonymous Scholarship	Ruchi Agrawal	120010023

Name of the Donor	Name of the Scholarship	Name of student	Roll. No
Balaji Srinivasan	Balaji and Preethi Srinivasan Scholarship	V Sai Krishna Reddy	13D170028
Surendra K. Gupta	Surendra Gupta Legacy Scholarship	Drishti Gehlot	1300110005
Surendra K. Gupta	Gupta Family and ARC Scholarship	Thakkar Ritu Ajay	130020017
Surendra K. Gupta	Surendra and Karen Gupta Scholarship	Thakkar Ritu Ajay	130020017
Surendra K. Gupta	Devki and Bishan Chand Gupta Memorial scholarship	Thakkar Ritu Ajay	130020017
Greater New York Chapter	Greater New York Chapter Alumni Scholarship	Varunesh Goyal	140070006
Greater New York Chapter	Greater New York Chapter Alumni Scholarship	Bole Swapnil Sanjay	140070008
Greater New York Chapter	Greater New York Chapter Alumni Scholarship	Thorawade Tejeshwar Bhagatsingh	140070015
Greater New York Chapter	Greater New York Chapter Alumni Scholarship	Gaurav Sharma	140070026
Avi Nash (GNY Chapter)	Greater New York Chapter Alumni - The Indira Foundation Scholarship	Vishwas Verma	140010015
Mr. Mayur Datar and Ms. Gauri Shah	Sitabai Datar Scholarship	Jyot Digant Antani	12D020003
Sud Yeleswarapu	Dr. Y. Srinivasa Rao Memorial Scholarship	Thakkar Ritu Ajay	130020017
Anil Diwan	Shree Ratnakar Harihar Diwan Memorial Scholarships	Tanvi Kataria	14D110016
Anil Diwan	Shreemati Manik Ratnakar Diwan Memorial Scholarship	Deeksha Singhal	120020066
Ruyintan Mehta	Ruyintan & Monica Mehta Scholarship	Pranjal Amule	13D100036
Ruyintan Mehta	Ruyintan & Monica Mehta Scholarship	Vaishnavi Khandelwal	140020052
Anand Garde	Prof. Madhav Garde memorial Scholarship	Maddila Rishindra Kumar	120110055
Sandeep Vijayakar	Lata Vijayakar Scholarship	Anubhav Jain	130100015
Sandeep Vijayakar	Lata Vijayakar Scholarship	Priyen Bapodara	150010021
Victor Menezes	Menezes Foundation Scholarship	Avani Tanna	12D070001

Name of the Donor	Name of the Scholarship	Name of student	Roll. No
Victor Menezes	Menezes Foundation Scholarship	Pasad Ankita Jitesh	12D070021
IITBHF	IITBHF Scholarship	Priyen Bapodara	150010021
IITBHF	IITBHF Scholarship	Deepak Kumar Saini	150010033
IITBHF	IITBHF Scholarship	Ujjwal Anand	130100059
IITBHF	IITBHF Scholarship	Ujjwal Anand	130100059
IITBHF	IITBHF Scholarship	Ujjwal Anand	130100059
IITBHF	IITBHF Scholarship	Ujjwal Anand	130100059
IITBHF	IITBHF Scholarship	Ujjwal Anand	130100059
Mr. and Mrs. P.B. Shah	Sharda B. Shah Scholarship	PRANAY BHARAT RAUT	150040009
Prafulla Nabar	Nalini G. Nabar Scholarship	Deepak Kumar Saini	150010033
Yogen Dalal	Dalal Scholarship	Rahul Poonia	120100038
Pratap Srivastava	Anita Srivastava Scholarship	Yeruva Rishitha Reddy	130040092
Girish Desai	Girish & Datta Shah Scholarship	Kasliwal Siddhi Manoj	13D170026
Greater New York Chapter	Greater New York Chapter Alumni Scholarship	Madhuvarsha Gollapudi	150010048
Greater New York Chapter	Greater New York Chapter Alumni Scholarship	Prakirt Raj Junjhunwala	140070027
Greater New York Chapter	Greater New York Chapter Alumni Scholarship	Kopisetty Nikhileshwar	140050074
Rajendra & Pallavi Shah	Lalita Shah Scholarship	Malgonde Aishwarya Bhimanna	121030009
Anand Garde	Educator Malati Garde Scholarship	Karri Naveen	130110076
Niraj Shah	Shah& Kothary Family Scholarship	Amal Manish Dani	120020019
Kirit Bhansal	Kirit Bhansali scholarship	Anurag Kumar	120110056
Sud Yeleswarapu	Dr. Y. Srinivasa Rao Memorial Scholarship	Prajapati Suraj Sachanlal	130020006

Name of the Donor	Name of the Scholarship	Name of student	Roll. No
Rajinder Singh	Shri. Harcharan Singh Minhas Scholarship	Drishti Gehlot	130110005
Rajinder Singh	Shri. Harcharan Singh Minhas Scholarship	Drishti Gehlot	130110005
Ruyintan Mehta	Ruyintan & Monica Mehta Scholarship	Meet Udeshi	14D070007
Ruyintan Mehta	Ruyintan & Monica Mehta Scholarship	Gopale Rajat Mahendra	130040007
Suhas Pai	Laxmi Pai Scholarship	Nambiar Abhishek Shivadas	130040013
Suhas Pai	Anant Pai Scholarship	Tejas Kotwal	14d100020
IITBHF	IITBHF Scholarship	Jyot Digant Antani	12d020003
IITBHF	IITBHF Scholarship	Gaurav Garg	130040112
IITBHF	IITBHF Scholarship	Gaurav Garg	130040112
IITBHF	IITBHF Scholarship	Gaurav Garg	130040112
IITBHF	IITBHF Scholarship	Gaurav Garg	130040112
IITBHF	IITBHF Scholarship	Gaurav Garg	130040112
IITBHF	IITBHF Scholarship	Tejaswi K C	140010020
IITBHF	IITBHF Scholarship	Sneha Sunil Bakre	150050040
The DS Foundation	Desai Sethi Family Scholarship	Shalaka Kulkarni	140070010
The DS Foundation	Desai Sethi Family Scholarship	Charvi Vitthal	140070022
The DS Foundation	Desai Sethi Family Scholarship	Trishala Bothra	140100094
The DS Foundation	Desai Sethi Family Scholarship	Nikhita R	140100102
The DS Foundation	Desai Sethi Family Scholarship	Kanchan Khetan	140020091
The DS Foundation	Desai Sethi Family Scholarship	Krati Tiwari	150050051
The DS Foundation	Desai Sethi Family Scholarship	Sneha Bhakare	150050040
The DS Foundation	Desai Sethi Family Scholarship	Yashvi Sharma	150070032

Name of the Donor	Name of the Scholarship	Name of student	Roll. No
The DS Foundation	Desai Sethi Family Scholarship	Uma Singh	150070040
The DS Foundation	Desai Sethi Family Scholarship	Simi Karan	150100094
Atul Athalye	Prof. S. L. Narayanamurthy Scholarship	Nambiar Abhishek Shivadas	130040013
Atul Athalye	Prof. S. L. Narayanamurthy Scholarship	Triesha Singh	150020026
Chris Farias	Gratian Farias, Flight Engineer, Memorial Scholarship	Himanshi Arora	140020055
IITBHF	IITBHF Scholarship	Surabhi Sahu	140020079
IITBHF	IITBHF Scholarship	Rhythm Jain	140040054
Pratap Srivastava	Anita Srivastava scholarship	Dedhia Charmi Jagdish	130070007
Greater New York Chapter	Anupama Bhatia Memorial Scholarship	Pasad Ankita Jitesh	12D070021
Victor Menezes	Nina Menezes Scholarship	Pasad Ankita Jitesh	12D070021
Victor Menezes	Nina Menezes Scholarship	Drishti Gehlot	130110005
Pardaman Sawhney, Bandana Singhal, Ajit Sawhney, M.S. Puri and Jagjodh Singh	Vidya Scholarship	Astik Anand	14B030028
Sud Yeleswarapu	Dr. Y. Srinivasa Rao Memorial Scholarship	Ashwin Ramkrishna Gohte*?	140020031
Anonymous	Scholarship	Seelam Lakshmi Anoosha	150070055
Anand Garde	Archaeologist Moreshwar Garde Scholarship	Nazhar Hussain	130110061
Ashok Kulkarni	Ashok Vasant Kulkarni Scholarship	Lakumarapu Nikhil Kumar	140050037
Mr. Gagan Singh	JP Singh Scholarship	Avani Tanna	12D070001
Narendra Kumar Kirpalani	Bulchand and Rani Kirpalani Scholarship	Hemil Dhruv	120020006
Ruyintan and Monica Mehta	Ruyintan & Monica Mehta Scholarship	Lakumarapu Nikhil Kumar	140050037

Name of the Donor	Name of the Scholarship	Name of student	Roll. No
Samir Patel	Patel Scholarship	Seelam Lakshmi Anoosha	150070055
Aditya behari	O.P. Behari Scholarship	S Yashwanth	120260022
Anonymous	IITBHF Scholarship	Astik Anand	14B030028
Kumar Vishwanathn	Smt. Santhi Krishnan Memorial Scholarship	Surabhi Sahu	140020079
P.B. Shah	Shardaben B. Shah Scholarship	Ashutosh Soni	140020090

J.2. Funded Fellowship Details

J.2.1. Tata Centre Fellowships

Name of the Donor	Name of the Fellowship	Name of the Student	Roll No
Sir Dorabji Tata Trust	Tata Centre Fellowship	Akshay Subramaniam	143020001
Sir Dorabji Tata Trust	Tata Centre Fellowship	Deepak Gupta	143020033
Sir Dorabji Tata Trust	Tata Centre Fellowship	Sandeep Sharma	143020034
Sir Dorabji Tata Trust	Tata Centre Fellowship	Karan Vijaywargiya	143100046
Sir Dorabji Tata Trust	Tata Centre Fellowship	Sayan Samanta	143110010
Sir Dorabji Tata Trust	Tata Centre Fellowship	Ramprasad V.	143350003
Sir Dorabji Tata Trust	Tata Centre Fellowship	Sangeeth Sankar A.	143350022
Sir Dorabji Tata Trust	Tata Centre Fellowship	Ashish Kumar Paswan	143350034
Sir Dorabji Tata Trust	Tata Centre Fellowship	Gaurav V. Vaidya	146130002
Name	**Name of the Fellowship**	**Name of the Student**	**Roll No**
Sir Dorabji Tata Trust	Tata Centre Fellowship	Vishal Bhushan Jha	146130008
Sir Dorabji Tata Trust	Tata Centre Fellowship	Tapan Kumar	146250011

Name	Name of the Fellowship	Name of the Student	Roll No
Sir Dorabji Tata Trust	Tata Centre Fellowship	Tirtha Sarathi Lodh	14307R014
Sir Dorabji Tata Trust	Tata Centre Fellowship	Umang Shah	14307R025
Sir Dorabji Tata Trust	Tata Centre Fellowship	Aswathy Nandakumar	14307R027
Sir Dorabji Tata Trust	Tata Centre Fellowship	Shefali Mittal	14330T001
Sir Dorabji Tata Trust	Tata Centre Fellowship	Aayush Gupta	14330T002
Sir Dorabji Tata Trust	Tata Centre Fellowship	Shwetha Hymavathi	14330T003
Sir Dorabji Tata Trust	Tata Centre Fellowship	Dhiraj Nimje	153020004
Sir Dorabji Tata Trust	Tata Centre Fellowship	Manvendra Singh	153020021
Sir Dorabji Tata Trust	Tata Centre Fellowship	Arif Mohammad	153040016
Sir Dorabji Tata Trust	Tata Centre Fellowship	Jithu Krishna	15307R002
Sir Dorabji Tata Trust	Tata Centre Fellowship	Soham Harshe	153100055
Sir Dorabji Tata Trust	Tata Centre Fellowship	Parth Joshi	15310R005
Sir Dorabji Tata Trust	Tata Centre Fellowship	Swapnil Sisle	153110021
Sir Dorabji Tata Trust	Tata Centre Fellowship	Rachit Sarin	153110055
Sir Dorabji Tata Trust	Tata Centre Fellowship	Bhushan Gandhi	153180001
Sir Dorabji Tata Trust	Tata Centre Fellowship	Pranav Bhardwaj	153180002
Sir Dorabji Tata Trust	Tata Centre Fellowship	Ratika Agarwal	15330T001
Sir Dorabji Tata Trust	Tata Centre Fellowship	Yasodha Kannan	15330T002
Sir Dorabji Tata Trust	Tata Centre Fellowship	Aakash Seerwani	153350007
Sir Dorabji Tata Trust	Tata Centre Fellowship	Shreeneet Rathi	153350017
Name	**Name of the Fellowship**	**Name of the Student**	**Roll No**
Sir Dorabji Tata Trust	Tata Centre Fellowship	Quashif Qureshi	156130001
Sir Dorabji Tata Trust	Tata Centre Fellowship	Sanjay Kumar Singh	153020050

Sir Dorabji Tata Trust	Tata Centre Fellowship	Salik Ansari	156250001

J.2.2 Advinus Therapeutics Ltd Fellowships - These fellowships were not awarded to any student in the year 2015-16.

J.2.3 Maharashtra Pollution Control Board Fellowships:

Name of the Donor	Name of the Fellowship	Name of the Student	Roll No
Maharashtra Pollution Control Board	MPCB Fellowship	Ms Sonal Pande	133180001
Maharashtra Pollution Control Board	MPCB Fellowship	Mr Vinayak Padalkar	133180013

J.3. Awards and Prizes awarded duration Convocation

Sr. No.	Name of Student	Name of Award	Roll No
1	Fadadu Jaydip Ramnikbhai Aman Madaan	Ajit Shelat Award	133050004
2	S Vignesh Heerak Banerjee Roopayan Ghosh	Bhavesh Gandhi Memorial Prize	100010009 135120017 135120019
3	Ashwin R	Dilip R Limaye Academic Excellence Award	110010053
4	Anima Mahanta	Shri R Vembu Iyer Memorial Prize	125060006
5	Jayant Asthana	Dr.GargiVishnoi Memorial Prize	07430302
6	Preshit Wazalwar	S C Mehrotra Prize	140040003
7	Prajwal K A	S C Mehrotra Prize	130040106
8	Karan Gupta	S C Mehrotra Prize	120040062
9	Atharva S. Kelkar	Indira Manudhane B.Tech. Excellence Award	110020008

Sr. No.	Name of Student	Name of Award	Roll No
10	Singh Namrata AC Pratik Sharad Deogekar Astha Agarwal Sagar Jha Pooniwala Gaurav Triveshkumar Kulkarni Chinmay Sameer	Manjula Bagmal Parikh Memorial Prize	100040004 110040010 110050018 110100024 110070005 110100027
11	Kriti Goel Samprit Ghosh	Mrs. Rama Mathur Memorial Prize	135090003 145090021
12	Sabyasachi Bhowmik	Shri R Vembu Iyer MemorialPrize	135060027
13	Roopayan Ghosh	Prof. R.P. Singh Memorial Prize	135120019
14	Harshil Vishnukumar Patel	Tulsiram Devidayal, P.M. Natu, Damle Trust Prize	133100001
15	Gaurav Pooniwala	Prof K C Mukherjee Award	110070005
16	Pooja Agarwal	Prof. A.B. Biswas Memorial Prize & Shri Prakash Krishnan Award	135030035
17	Pooja Agarwal Srimukh Prasad V. K.	Prof. Hiralal Memorial Award	135030035 101030027
18	Srinivasan N. R. Karyappa Rahul Bapusaheb Manjula Paramati	Prof. Kartic Khilar Prize for Excellence in Research at the Doctoral Level	09402005 09402003
19	Uma K Shankar Anish Gupta	Prof. Kartic Khilar Prize for Excellence in Research at the Masters Level	08D02008
20	Kartik Verma	Prof. M.N. Gopalan Prize	135280002
21	Daisy Dahiya Chandan Pal	Prof. Prabhulal Bhatnagar Memorial Prize for Ph.D. in Mathematics	06409301
22	Rajashri Sengupta	R G Manudhane M.Tech. Student Excellence Award	133020010

Sr. No.	Name of Student	Name of Award	Roll No
23	K. Hariprasad	R G Manudhane Ph.D. Student Excellence Award	09402603
24	Aniruddha Singh Lakhnot	Prof. A.K. Mallik Award	12d110026
25	Harshil Vishnukumar Patel	Shri Ashok Chaturvedi Memorial Prize	133100001
26	Siddharth Buddhiraju	Akshay Dhoke Memorial Award	100110013
28	Rishika Dasani	Prof. M.N. Vartak Memorial Prize	145280024
29	Kavali Vishnuvardhan Reddy Sattwik Deb Mishra Jay Mardia Shubham Chandak	Urvish Medh Memorial Prize	120070028
30	Deepak Dilipkumar	Shri T.K. Subramanian Prize	120100089
31	Shubham Chandak	Shri Rakesh Mathur Excellence Award	120070028
32	Malav S. Simaria	Mr. Pranab Ranjan Sen Award	10D110011
33	Tuhina Ghanty	Chandrashekhar Prize	11D020004
34	Dasvit Sadanand Shetty	Shubhada Mulekar Joshi Award	145300002

K.4. List of Named/Institute Chair Professors

Sr No	Name	Department	Name of the Chair	Effective from
1	Prof. Dulal Panda	Biosciences & Bioengineering	Institute Chair Professor	03.07.2014
2	Prof. Jayesh Bellare	Chemical Engg	Institute Chair Professor	04.10.2014
3	Prof. A.K. Suresh	Chemical Engg	Institute Chair Professor	04.10.2014
4	Prof. Anurag Mehra	Chemical Engg	Institute Chair Professor	04.10.2014
5	Prof. Sachin Patwardhan	Chemical Engg	Institute Chair Professor	10.04.2015
6	Prof. C.P. Rao	Chemistry	Institute Chair Professor	19.06.2014

Sr No	Name	Department	Name of the Chair	Effective from
7	Prof. K. P. Kaliappan	Chemistry	Institute Chair Professor	19.06.2014
8	Prof. R. Murugavel	Chemistry	Institute Chair Professor	19.06.2014
9	Prof. G. K. Lahiri	Chemistry	Institute Chair Professor	19.06.2014
10	Prof. A.Q. Contractor	Chemistry	Institute Chair Professor	17.12.2012
11	Prof. D. N. Singh	Civil Engg	Institute Chair Professor	19.05.2014
12	Prof. M. C. Deo	Civil Engg	Institute Chair Professor	19.05.2014
13	Prof. Tarun Kant	Civil Engg	Institute Chair Professor	12.01.2015
14	Prof. T.I. Eldho	Civil Engg	Institute Chair Professor	12.01.2015
15	Prof. Sharat Chandran	Comp. Sci. & Engg.	Institute Chair Professor	25.05.2015.
16	Prof. P. K. Saraswati	Earth Sciences	Institute Chair Professor	19.05.2014
17	Prof. T.K. Biswal	Earth Sciences	Institute Chair Professor	12.01.2015
18	Prof. T.N. Singh	Earth Sciences	Institute Chair Professor	12.01.2015
19	Prof. B. G. Fernandes	Electrical Engg	Institute Chair Professor	03.07.2014
20	Prof. D. Manjunath	Electrical Engg	Institute Chair Professor	03.07.2014
21	Prof. V. S. Borkar	Electrical Engg	Institute Chair Professor	02.08.2014
22	Prof. Santanu Bandyopadhyay	Energy Science	Institute Chair Professor	19.05.2014
23	Prof. K. Narayanan	Humanities & Social Sciences	Institute Chair Professor	12.02.2015

Sr No	Name	Department	Name of the Chair	Effective from
24	Prof. B. Bandyopadhyay	IE & OR and Sys. & Control. Engg	Institute Chair Professor	29.01.2015
25	Prof. Sudhir Ghorpade	Mathematics	Institute Chair Professor	18.05.2014
26	Prof. Amiya K. Pani	Mathematics	Institute Chair Professor	18.05.2014
27	Prof. V.D. Sharma	Mathematics	Institute Chair Professor	12.02.2015
28	Prof. K. P. Karunakaran	Mechanical Engg	Institute Chair Professor	12.06.2014
29	Prof. M. V. Rane	Mechanical Engg	Institute Chair Professor	19.09.2014
30	Prof. B. Ravi	Mechanical Engg	Institute Chair Professor	19.09.2014
31	Prof. A. R. Kulkarni	Met. Engg. & Mat. Sci.	Institute Chair Professor	01.08.2014
32	Prof. V. S. Raja	Met. Engg. & Mat. Sci.	Institute Chair Professor	01.08.2014
33	Prof. I. Samajdar	Met. Engg. & Mat. Sci.	Institute Chair Professor	16.08.2014
34	Prof. B. P. Singh	Physics	Institute Chair Professor	13.08.2014
35	Prof. U. A. Yajnik	Physics	Institute Chair Professor	13.08.2014
36	Prof. Shiv Prasad	Physics	Institute Chair Professor	13.08.2014
37	Prof. S. Bhargava	SJMSOM	Institute Chair Professor	25.08.2014
38	Prof. Ashwin Gumaste, (Asso. Prof.)	Comp. Sci. & Engg.	Institute Chair Associate Professor	24.02.2012
39	Prof. Siddhartha Choudhuri, (Asstt. Prof.)	Comp. Sci. & Engg.	Institute Chair Assistant Professor	01.07.2015

Sr No	Name	Department	Name of the Chair	Effective from
40	Prof. Neena Gupta, (Asstt. Prof.)	Mathematics	Institute Chair Assistant Professor	Not Joined
41	Prof. Virendra Sethi	CESE	MPCB Chair	19.05.2014
42	Prof. H. B. Singh	Chemistry	Biswas Palepu Distn. Chair	19.06.2014
43	Prof. S. R. Kotha	Chemistry	Green Chemistry Chair	19.09.2014
44	Prof. Y. M. Desai	Civil Engg.	JK & MJ Mehta Chair	19.05.2014
45	Prof. Supratik Chakraborty	Computer Sci. & Engg.	Bajaj Chair Professor	08.07.2014
46	Prof. Milind Sohoni	Computer Sci. & Engg.	Class of 1985 Chair	08.07.2014
47	Prof. Ganesh Ramakrishnan (Asso. Prof.)	Computer Sci. & Engg.	J. R. Issac Assistant Chair	08.07.2014
48	Prof. S. Sudarshan	Computer Sci. & Engg.	Subbarao M. Nilekani Chair	04.10.2014
49	Prof. Pushpak Bhattacharya	Computer Sci. & Engg.	Vijay & Sita Vashee Chair	08.07.2014
50	Prof. S. N. Merchant	Electrical Engg	HAL Chair	03.07.2014
51	Prof. Subhasis Chaudhuri	Electrical Engg	Kamal Nayan Bajaj Chair	03.07.2014
52	Prof. Ramgopal Rao	Electrical Engg	P.K. Kelkar Chair	03.07.2014
53	Prof. Rangan Banerjee	Energy Sci. & Engg.	Forbes Marshall Chair	19.09.2014
54	Prof. Ravi Poovaiah	Industrial Design Centre	D.L. Shah Chair	28.08.2014
55	Prof. G.G. Ray	Industrial Design Centre	Ramakrishna Bajaj Chair	28.08.2014
56	Prof. S. K. Maiti	Mechanical Engg.	G.K. Devarajulu Chair	12.06.2014
57	Prof. Kannan Iyer	Mechanical Engg.	Praj Industries Chair	19.09.2014

Sr No	Name	Department	Name of the Chair	Effective from
58	Prof. Suhas Joshi	Mechanical Engg.	Rahul Bajaj Chair	12.06.2014
59	Prof. D. Parthasarathy	Humanities & Social Sciences	India Value Fund Chair	02.09.2014
60	Karuna Jain	SJMSOM	MHRD IPR Chair	27.09.2011
	Anand Patwardhan	SJMSOM	Shailesh Mehta Chair	27.09.2011
62	Prof. Rinti Banerjee	Bioscience and Bioengineering	Madhuri Sinha Chair	11.02.2015
63	Prof. V.A.Juvekar	Mechanical/ Chemical Engineering	L & T Chair	11.02.2015

K.6. List of Young Faculty Awardees

Sr No	Name of Faculty	Department	Amount Disbursed
1	Prof. P. J. Guruprasad	Aero Engg.	100000
2	Prof. Prasenjit Bhaumik	Bio. Sci.	100000
3	Prof. Prakriti Tayalia	Bio. & Bio Engg.	100000
4	Prof. Ambarish Kunwar	Bio.Sci & Bio	100000
5	Prof. Amit Kumar Das	Civil Engg.	100000
6	Prof. Balaji Ramakrishnan	Civil Engg.	100000
7	Prof. Shivaram Kalyanakrishnan	CSE	100000
8	Prof. Bhaskaran Muralidharan	Elec. Engg.	100000
9	Prof. Pradeep R. Nair	Elec. Engg.	100000
10	Prof. Sushil Mishra	Mech. Engg.	100000
11	Prof. Pradeep Dixit	Mech. Engg.	100000
12	Prof. Rajneesh Bhardwaj	Mech. Engg.	100000
13	Prof. Abhishek Gupta	Mech. Engg.	100000
14	Prof. Parag Tandaiya	Mech. Engg.	100000

Sr No	Name of Faculty	Department	Amount Disbursed
15	Prof.V. Kartik	Mech. Engg.	100000
16	Prof. Debhasish Chatterjee	Sys. Contr.	100000
17	Prof. Aswani Yella	MEMS	100000
18	Prof. Voleti V. Kavitha	IE & OR	100000
19	Prof. Rakesh G. Mote	Mech. Engg.	100000
20	Prof. Debasattam Pal	Elect. Engg.	100000
21	Prof. Jyoti R. Seth	Chemical	100000
22	Prof. Ashutosh Mahajan	IE. & OR	100000
23	Prof. Prachi Mahajan	Mathematics	100000
24	Prof. Aditya Paranjape	Aerospace	100000
25	Prof. Hrishikesh Gadgil	Aerospace	100000
26	Prof. J. Indu	Civil Engg.	100000
27	Prof. Raghunath Chelakkot	Physics	100000
28	Prof. Amrita Banerjee	HSS	100000
29	Prof. Arpita Mondal	Civil Engg.	100000
30	Prof. Arghadeep Laskar	Civil Engg.	100000
31	Prof. Yogendra Shastri	Chem. Engg.	100000
32	Prof. Sandip Kar	Chemistry	100000
33	Prof. Meera Raghunandan	Civil Engg.	100000
34	Prof. Sankara Sarma Tatiparti	Energy System	100000
35	Prof. Raaj Ramsankaran	Civil Engg.	100000
36	Prof. Manasa R. Behera	Civil Engg.	100000
37	Prof. Munish Kumar Chandel	CESE	100000
38	Prof. Ratheesh Radhakrishnan	HSS	100000
39	Prof. S. Akshay	CSE	100000
40	Prof. Jayakrishnan Nair	Elect. Engg.	100000
41	Prof. Subramaniam Chandramouli	Chemistry Dept.	100000

Sr No	Name of Faculty	Department	Amount Disbursed
42	Prof. Ateeque Malani	Chem. Engg.	100000
43	Prof. Rama Pal	HSS	100000
44	Prof. Supreet Saini	Chem. Engg.	100000
45	Prof. Mithun K. Mitra	Physics	100000
46	Prof. Partha S. Goswami	Chem. Engg.	100000
47	Prof. Swagata Basu	Civil Engg.	100000
48	Prof. Prasenjit Basu	Civil Engg.	100000
49	Prof. Mukta Tripathy	Chem. Engg.	100000
50	Prof. Titas Dasgupta	MEMS	100000
51	Prof. Amitabh Bhattacharya	Mech. Engg.	100000
52	Prof. Suddhasatta Mahapatra	Physics	100000
53	Prof. Mythili Vutukuru	CSE	100000
54	Prof. Vikram Rentala	Physics	100000
55	Prof. Aftab Alam	Physics	100000
56	Prof. Santiram Chatterjee	Civil Engg.	100000
57	Prof. Anirban Banerjee	Bio. Sci. & Engg.	100000
58	Prof. S. Gopalakrishnan	Mech. Engg.	100000
59	Prof. Venkat Gundabala	Chem. Engg.	100000
60	Prof. Sridhar Balasubramanian	Mech. Engg.	100000
61	Prof. Dinesh Kabra	Physics	100000
62	Prof. Sandip Kumar Saha	Mech. Engg.	100000
63	Prof. MJNV Prasad	MEMS	100000
64	Prof. Gaurav S. Kasbekar	Elec. Engg.	100000
65	Prof. Amit Arora	CTARA	100000
66	Prof. Ankur Kulkarni	Sys. Contr.	100000
67	Prof. Rajarshi Chakrabarti	Chemistry	100000
68	Prof. Abhijit Chatterjee	Chemical	100000

Sr No	Name of Faculty	Department	Amount Disbursed
69	Prof. Dharamveer Singh	Civil Engg.	100000
70	Prof. Avijit Maji	Civil Engg.	100000
71	Prof. Ananthnarayan Hariharan	Mathematics	100000
72	Prof. Nagendra Rao Velaga	Civil Engg.	100000
73	Prof. P. Kumaresan	IDC	100000
74	Prof. Rekha Santhanam	Mathematics	100000
75	Prof. Radhendushka Srivastava	Mathematics	100000
76	Prof. Ajit V. Rajwade	CSE	100000
77	Prof. Conan Mukherjee	HSS	100000
78	Prof. V. Ramadesigan	Energy Sci.Engg.	100000
79	Prof. Anupama Kowli	Elect. Engg.	100000
80	Prof. Harish C. Phuleria	CESE	100000
81	Prof. Tara S. Shaw	HSS	100000
82	Prof. Girish V. Dalvi	IDC	100000
83	Prof. Rahul Purwar	Bio. Sci.	100000
84	Prof. Arnab Jana	C-USE	100000
85	Prof. Ashish Singh	SOM	100000
86	Prof. Aniruddha Sinha	Aerospace	100000
87	Prof. Rohita Bardhan	C-USE	100000
88	Pro. Ratul Dasgupta	Chemical	100000
89	Prof. Prabhakar Naraga	Earth Science	100000
90	Prof. Bharath C. Shekar	Earth Science	100000
91	Prof. Suyash Awate	CSE	100000
92	Prof. Koushik Saha	Mathematics	100000
93	Prof. Himanshu J. Bahirat	Elect. Engg.	100000
94	Prof. Kumar Appaiah	Elect. Engg.	100000
95	Prof. Chandra M. Rao Volla	Chemistry	100000

Sr No	Name of Faculty	Department	Amount Disbursed
96	Prof. Seethamraju Srinivas	ESE	100000
97	Prof. Ritesh Gautam	CSRE	100000
98	Prof. Dayadeep S. Monder	ESE	100000
99	Prof. Gulab Singh	CSRE	100000
100	Prof. Aparna Singh	MEMS	100000
101	Prof. Jayadipta Ghosh	Civil Engg.	100000
102	Prof. Neeraj R. Kumbhakarna	Mech. Engg.	100000
103	Prof. Abhijit Majumder	Chemistry Engg.	100000
104	Prof. Shyamprasad Karagadde	Mech. Engg.	100000
105	Prof. Jayesh S. Pillai	IDC	100000
106	Prof. Vineeth Nair	Aerospace Engg.	100000
107	Prof. Vikram Vishal	Earth Science	100000
108	Prof. Muhammad Salman	Civil Engg.	100000
109	Prof. Zakir H. Rather	Earth Science	100000
110	Prof. Arnab Maity	Aerospace Engg.	100000
111	Prof. Kamendra P. Sharma	Chemistry	100000
112	Prof. Alankar	Mech. Engg.	100000
113	Prof. Sharayu Moharir	Elec. Engg.	100000
114	Prof. Gopal Dixit	Physics	100000
115	Prof. Vivek Natarajan	Sys. Contr.	100000
116	Prof. Sourav Pal	Mathematics	100000
117	Prof. Smrutiranjan Parida	MEMS	100000
118	Prof. Sarthak Gaurav	SOM	100000
119	Prof. Sudarshan Gurjar	Mathematics	100000
120	Prof. Sandip Singh	Mathematics	100000
121	Prof. Amitabha Nandi	Physics	100000
122	Prof. Saurav Bhaumik	Mathematics	100000
123	Prof. Bata K. Das	Mathematics	100000

Sr No	Name of Faculty	Department	Amount Disbursed
124	Prof. Siddhartha Chaudhuri	CSE	100000
125	Prof. Kantimay Das Gupta	Physics	3,00,000.00
126	Prof. K.V.R. Bodi	Aerospace Engg.	100000
127	Prof. K. B. Balasubramanian	Energy Sci.Engg	100000
		TOTAL	**12900000**

Following Professors left IITB before completing 4 years and hence have returned the joining bonus.

Sr No	Name of Faculty	Department	Amount Returned
1	Prof. Monica Jain	C-USE	200000
2	Prof. Bipin Rajendran	Electrical Engineering	200000
3	Prof. T T Niranjan	SOM	100000
		Total	**500000**

K.7. Distinguished Alumnus Awards (2016)

Dr. Cyrus Mehta - B.Tech, 1967, Civil Engineering
Dr. Cyrus Mehta, is the President and Co-founder of Cytel Inc., and Adjunct Professor of Biostatistics at Harvard University.

Dr. Mehta earned his B.Tech. degree in Civil Engineering from IIT Bombay in 1967, his S.M. degree in Management Science and his PhD in Operations Research from the Massachusetts Institute of Technology in 1970 and 1973 respectively.

In 1973, he was appointed Assistant Professor at the University of Pittsburgh, where he taught courses in Statistics and Statistical Decision Theory. In 1977, Dr. Mehta left the University of

Pittsburgh and joined Harvard School of Public Health as Post-Doctoral Fellow in Biostatistics and worked at Dana-Farber Cancer Institute, Boston. In 1979, he joined the faculty at Harvard TC Chan School of Public Health as an Assistant and then Associate Professor of Biostatistics. He also served as a clinical trials Statistician for major oncology trials sponsored by the US National Cancer Institute.

With Operations Research as the background, Dr. Mehta together with his MIT Colleague Mr. Nitin Patel, developed fast numerical algorithms for accurate test of efficacy and safety of cancer drugs. He founded Cytel Inc, in 1987, which was a spin-off from this Harvard research with a mission to develop software and services for clinical drug development. Over the years Cytel has developed industry standard statistical software for designing and monitoring clinical trials in flexible ways so as to assign more patients to better treatments and get new drugs to market faster. Starting from a four-person operation in Dr. Mehta's home in Cambridge, Massachusetts, Cytel has grown into a 600-person company with offices in USA, Europe and India.

Dr. Mehta has won several awards. A few of which are: George W. Snedecor award for the best paper in Biometry – Joint award from the American Statistical Association in 1989; Elected Fellow of the American Statistical Association in 1995; Massachusetts Technology Collaborative Small Business Award – Awarded to Cytel in 1999; Fredrick Mosteller Statistician of the Year by the Boston Chapter of the American Statistical Association in 2000; Entrepreneur of the Year by the World Zoroastrian Chamber of Commerce in 2003; and Lifetime Achievement Award by the International Indian Statistical Association in 2015.

Dr. Krishna Chivukula - B.Tech. (Hons.), 1968, Mechanical Engineering

Dr. Krishna Chivukula graduated with Honours as a Mechanical Engineer from IIT Bombay in 1968. He earned his M.Tech. in Aerospace Engineering from IIT Madras in 1970 and MBA from Harvard Business School in Boston, USA in 1980.

Dr. Chivukula started his career as an Engineer in the USA. He has the distinction of becaming the first Indian to be the Group President and Chief Executive Officer of a major conglomerate at the age of 37. Then at the age of 42, became a successful entrepreneur in the field of Chemistry, Engineering and Material Science.

Dr. Chivukula is the owner and Chairman of Board of Directors of INDO US MIM TEC Private Limited; Shiva Analyticals (India) Private Limited, Bangalore; Shiva Analyticals Private Limited-Tanzania; and Advanced Analytical Testing Laboratories, Inc, Brunswick, New Jersey, U.S.A.

Dr. Chivukula has received Distinguished Alumni Award from IIT Madras in the year 2015 and Doctor of Letters (D.Litt) from Tumkur University. He also serves on the Board of Advisors of Bangalore Baptist Hospital.

Mr. Mohan Mahadev Kavrie - B.Tech., 1971, Civil Engineering

Mr. Mohan Kavrie graduated from IIT Bombay in 1971 and thereafter went to USA to obtain MS in Operations Research. After completing his MS, in 1973, he returned to India to start his professional career.

Mr. Kavrie started his career as a junior officer in a medium sized Company in Mumbai, and worked his way to the top of the organization in a very short time. However, this Company started sliding in the early eighties and was on the verge of closure by 1986. Not desiring to once again have to work his way up in a new organization, Mr. Kavrie chose to start his own business and venture into the area of Nonwoven fabrics.

With initial financial support from Mr. Esmailbhai Dhariwala, Dr. Kavrie started Supreme Nonwovens Pvt. Ltd. in 1986, with the first plant near Vapi, Gujarat. Nonwoven fabrics are an important part of Technical Textiles and today constitute almost 30% value of all textile activity in the developed countries. Application areas for Nonwovens are very wide and find end uses on the industrial as well as on the consumer side. Today, Supreme Nonwovens is a leader in India and among a handful of Nonwoven companies globally that have competence in the entire spectrum of nonwoven technologies. In the mid-90's his company 'Supreme' decided to forward integrate into the manufacturing of automotive interior trims and acoustic insulation components and today, it has become a leader in the auto components business too. The company is consistently recognized and awarded for its competencies in technology, quality and delivery. Mr. Kavrie attributes the success of the Group to the commitment and hard work of his team.

According to Mr. Kavrie, Manufacturing provides opportunities to large number of persons with limited schooling and in many instances coming from families where no person has ever held a full time job. This not only helps his family but the most beneficial outcome is that he is able to provide for and educate his children. This has a multiplier effect that changes whole communities of the underprivileged.

Dr. Hemant Kanakia - B.Tech., 1975, Electrical Engineering

After graduating from IIT Bombay in 1975, Dr. Kanakia, earned his Master of Science in Computer Engineering from Case Western Reserve University, and PhD in Electrical Engineering from Stanford University, both in USA.

While doing research at Bell Laboratories, Dr. Kanakia, pioneered a new type of switching fabric, which was used to build very fast data switches. He has patents on new ways of sending videos over packetized transport that has now become very core of video streaming services and a patent on 'means and methods for fast routing of packets', to his credit.

Dr. Kanakia has been a general partner at Columbia Capital, a Venture Firm based in East Coast of USA, primarily focused on early-stage technology investments. Before joining Columbia Capital, he was founder and CEO of Torrent Networking Technology, (which was acquired by Ericsson for $500 M) and co-founder of Photuris (acquired by Meriton) and Gemplex, inc. (acquired by Tata Telesystems). Previously, Dr. Kanakia served on the Board of Directors of many private companies as well as on the board of trustees for Virginia Tech and Case Western Reserve University.

Dr. Hemant Kanakia is currently focused on mentoring young entrepreneurs in India through India Angel networks and has invested in 18 early stage companies since January 2010. These are in the sectors ranging from education, technology and healthcare.

Professor Shantikumar V. Nair - B.Tech., 1976, Metallurgical Engineering

Professor Shantikumar Nair is the Dean of Research at Amrita Vishwa Vidyapeetham and the Director of Amrita Centre for Nanosciences and Molecular Medicine.

Prof. Nair, obtained his B.Tech. degree in Metallurgical Engineering from IIT Bombay in 1976, and his Master of Science and Doctor of Engineering Science in Materials Science and Engineering, from Columbia University, New York, USA, in 1978 and 1983 respectively.

Prof. Nair's began his career as a Senior Research Scientist at Columbia University in the area of high temperature structural materials. Later he joined University of Massachusetts as a faculty of the Department of Mechanical Engineering, where he developed experience in the design of composite materials for a variety of structural applications and worked on polymer matrix-, metal matrix- and ceramic matrix-composites, particularly the application of fracture mechanics to composites. In 1994, Prof. Nair began his work on nanomaterials in collaboration with Monsanto Company and developed nanoclay reinforced composites and studied their fracture behavior. He also started working on biological nanomaterials while at University of Massachusetts, in particular, the synthesis of nano- hydroxyapatite.

In India, his experience has been in the area of medical applications of nanomaterials – namely, regenerative medicine, or tissue engineering, and in the development of nanomedicines. Prof. Nair, along with his team at Amrita, have developed biomedical products (such as protein nanomedicines for drug resistant leukemia, nano structured flexible wafers to prevent recurrence of brain tumors, smart contrast enhanced bone implants, nano yarn and cloth by combining nano processing with conventional textile technology that has applications in implants, etc.) using nanomaterials that can have a lasting impact in India. Prof. Nair and his team have taken initiative to translate these products to patients by setting up a translational GMP clean room facility at Amrita to provide a platform for scale-up and prototyping and for the initiation of human clinical trials. This is the first nano-bio GMP facility in India in the academic sector. On the energy side Prof. Nair and his team has developed simple and cost effective technologies for society, such as, smart solar charge controllers to facilitate home use of solar power in conjunction with the grid, cost-effective LED technology, cost-effective solar modules which they plan to integrate with storage so that people in villages without grid connectivity can be helped.

Prof. Nair has received Presidential Young Investigator Award from USA President Ronald Reagan, for his research in composite materials in 1986; National Research Award from the Department of Science and Technology, Government of India in 2011; Professor CNR Rao India Nanoscience Award for his outstanding contributions to the field of Nanoscience and

Technology in 2014 and MRSI Gold Medal for outstanding contributions to Materials Science in 2009. He was the invited speaker at the UNAI-START conference on Technology for Sustainable Development, at the United Nations Headquarters, New York, USA, in 2015.

Professor Madan Rao - M.Sc., 1982, Physics

Professor Madan Rao is a Senior Professor at the National Centre for Biological Sciences (NCBS), Bangalore. Prof. Rao began his association with NCBS in December 1999, when he joined the Raman Research Institute as an Associate Professor. He has worked on a variety of projects involving the physics of active, evolving systems across scales - from biomolecules and sub-cellular structures to cells and tissues. His forte lies in the theoretical approaches he takes to understand the physical and chemical principles underlying biological organisation. Prof. Rao was the founding member of the Theory group, currently the Simon's Centre for the Study of Living Machines at NCBS, where he has been instrumental in mentoring younger colleagues and advising students in theoretical approaches to studying biological phenomena.

Prof. Rao, obtained his Master of Science in Physics from IIT Bombay in 1982, and earned his PhD in Theoretical Condensed Matter Physics, from the Indian Institute of Science (IISc), Bangalore in 1988, on *Hysteresis in Model Spin Systems*, under the supervision of Profs. H.R Krishnamurthy and Rahul Pandit. He worked as Post-Doctoral researcher in the Department of Physics, at IISc Bangalore, under the mentorship of Prof. M. Wortis, where he worked on Membranes, Soft Matter and Nonequilibrium Statistical Mechanics.

Prof. Rao's earlier research work on Nonequilibrium Statistical Mechanics, Soft Matter and Biophysics has, over last ten years, come together in addressing questions in more interdisciplinary areas where nonequilibrium statistical physics, soft matter and information theory intersect with cell biology.

Prof. Rao has won many honours and awards. Prominent ones include the Swarnajayanti Grant awarded by the Department of Science and Technology in 1998; B. M. Birla Science Award in Physics in 1997; Shanti Swarup Bhatnagar Award for Physical Sciences in 2004; Human Frontier Science Program (HFSP) Grant for 2007-2011 -- Physical and biochemical mechanisms of membrane deformation in lipid-mediated endocytosis; Indo-French Centre for the Promotion of Advanced Research (CEFIPRA) Grant -- The Mechanics of Living Matter; and Elected as Fellow of the Indian Academy of Sciences in 2011.

Dr. Girish Shantaram Deodhare - B.Tech., 1984, Electrical Engineering + M.Tech., 1986, Control and Instrumentation

Dr. Girish Deodhare is Associate Program Director, New Programs and Systems Engineering and Technology Director, Integrated Flight Control Systems, at the Aeronautical Development Agency in Bangalore. He graduated with B.Tech. degree in Electrical Engineering and M.Tech. Degree in Control and Instrumentation, from IIT Bombay in 1984 and 1986 respectively. He earned his PhD in Control Theory from the University of Waterloo in Canada, in 1990.

Immediately after completing his PhD in 1990, Dr. Deodhare, joined the Centre for Artificial Intelligence and Robotics (CAIR) in Bangalore, as a Scientist. His area of research include Design of Control Systems using both Modern and Classical techniques. Subsequently he focused his attention on Flight Control and contributed to the design of the Flight Control System of India's LCA Tejas.

In 2007, he joined Aeronautical Development Agency (ADA), Bangalore, and took over as Technology Director, Integrated Flight Control Systems in 2013. He was responsible for all aspects related to the Flight Control System of Tejas and the other programs of ADA. Dr. Deodhare was inducted as a Group Leader in a team, formed in 1992, by Dr. APJ Abdul Kalam, called the National Control Law Team. This Team is responsible for indigenously developing the Control Laws for the Indian Light Combat Aircraft (LCA), which is a highly unstable and maneuverable aircraft. Subsequently the Team has successfully designed, developed, flight tested and obtained certification for the Control Laws for LCA Tejas. Prof. Deodhare is continuing his work with the Team and is its present Associate Project Director.

In addition to Project Activities, Dr. Deodhare has also contributed to research in Robust Control. He has over 40 publications in International peer reviewed Journals and Conferences. He is also an Instructor for the Flight Controls Capsule at the ASTE Test Pilots School, Bangalore.

Dr. Deodhare has received Marconi International Fellowship's "Young Scientist Award" in 1996; INAE Young Engineers Award in 1996; and National Aeronautical Prize by the Aeronautical Society of India in 2002.

Dr. Rangarajan Pitchumani - B.Tech., 1986, Mechanical Engineering

Dr. Rangarajan Pitchumani is the George R. Goodson Professor of Mechanical Engineering at Virginia Tech, USA. Dr. Pitchumani received his PhD degree in Mechanical Engineering from Carnegie Mellon University in 1992 and a B.Tech. in Mechanical Engineering from the IIT Bombay in 1986.

Prior to joining Virginia Tech, he was with the University of Delaware and the University of Connecticut. Dr. Pitchumani served as the Director of Graduate Studies and as the Department Head at the University of Connecticut and as the Associate Department Head for Research at Virginia Tech. From 2011–2015, he served in an invitational role as the Chief Scientist for the SunShot Initiative at the U.S. Department of Energy (DOE), where he was the Founding Director of the SunShot Concentrating Solar Power program and the Director of the Systems Integration program. In his role at the DOE, he defined bold national goals for achieving cost-competitive solar energy technologies and their ubiquitous integration into the electric grid.

Dr. Pitchumani is the author of 215 journal or conference articles and book chapters and 8 edited book volumes and is an inventor on 2 patents or disclosures. He is an Editor of *Solar Energy* has been an Associate Technical Editor for the *ASME Journal of Heat Transfer*, serves on the Editorial Boards of the *Journal of Thermoplastic Composite Materials*, the *Journal of Composite Materials* and *Frontiers in Heat and Mass Transfer*, and has been a guest editor for *Polymer Composites* and the *Journal of Thermoplastic Composite Materials*.

As part of the SunShot initiative at the U.S. Department of Energy, Dr. Pitchumani managed a collective annual budget of over $100M. He set the science and technology directions for the programs, established funding priorities, directed a team of professionals (program managers and technical, financial and support personnel) and oversaw the solar research and development programs at the Industry, National Laboratories and Universities, aimed at bringing the cost of solar-generated electricity down to grid parity (~6 cents/kWh or less) by the end of the decade, without the assistance of federal or state subsidies. During his tenure, he was responsible for the launching of over $250M in new initiatives toward the SunShot goal.

Dr. Pitchumani has been bestowed with many awards and accolades, a few of them include the Young Investigator Award from the Office of Naval Research (one of 34 awarded nationally in the US in all fields), the School of Engineering Distinguished Professorship, the School of Engineering Outstanding Junior Faculty Award, the Outstanding Mechanical Engineering Faculty Award and the Olin Faculty Award from OLIN Corporation. He is a Fellow of the American Society of Mechanical Engineers and is an elected member of the

Connecticut Academy of Science and Engineering. He served as the US representative on the Executive Committee of the International Energy Agency's SolarPACES (2011-2015) and on the Advisory Board of the Australian Solar Thermal Research Initiative (ASTRI) of the Australian Renewable Energy Agency (ARENA).

<u>Professor Moses Charikar - B.Tech., 1995, Computer Science and Engineering</u>

Moses Charikar is a Professor of Computer Science at Stanford University. Professor Charikar completed his B.Tech. in Computer Science and Engineering from IIT Bombay in 1995. He earned his doctorate in Computer Science from Stanford University in 2000. He spent a year in the research group at Google and was on the Computer Science faculty at Princeton University for 14 years before returning to Stanford as a faculty member in Fall 2015.

Professor Charikar works on designing algorithms that compute approximate solutions. These are important for hard optimization problems where algorithms that compute exact solutions are not known and considered unlikely. Also, in a host of "big data" settings, the massive size of the data makes traditional algorithms impractical and one must resort to approximate solutions. His work advances these notions of approximation and makes connections between them.

He has earned a number of distinctions during his career including the best paper award at the Annual IEEE Symposium on Foundations of Computer Science (2003) for his work on dimension reduction and the Paris Kanellakis Theory and Practice Award in 2012 for his work on locality sensitive hashing. He was named a Simons Investigator in theoretical computer science in 2014.

K.8. Young Alumni Achievers Awards (2016)

Dr. Dhananjay Gore - B.Tech., 1998, Electrical Engineering

Dr. Dhananjay Gore is Senior Director Engineering at Qualcomm Research India. He also leads the modem and multi-media systems engineering teams for product development at Qualcomm India.

Dr. Gore received his Bachelor of Technology degree in Electrical Engineering from IIT Bombay in 1998, and Masters and PhD Degrees in Electrical Engineering from Stanford University in 2000 and 2003 respectively.

Dr. Gore joined Qualcomm Inc. in 2003 in the Corporate Research and Development group, where he worked on the design and development of broadband, OFDMA based mobile wide area networks (UMB - 3GPP2 RevC) - a pre-cursor to the 4G LTE standard. He was a key contributor to end-to-end PHY/MAC (physical/medium access control) layer system design efforts leading to IEEE 802.20 and 3GPP2 RevC standards. He was also the overall systems lead responsible for eNB (base-station) and access terminal (user equipment) prototype modem development. In 2008, Dr. Gore became the Project Engineer for design and development of an in-band, high gain, high fidelity 3G (UMTS) repeater – a break-through device. As a Project Engineer he was responsible for all efforts across systems, RF, antenna and VLSI design engineering.

In 2011, Dr. Gore re-located from San Diego, USA to Bangalore, India to oversee the formation and expansion of Qualcomm Research India at Bangalore. Over the next several years, he built a world-class research and development team focused on product development and long term R&D. Dr. Gore initiated a wide range of successful R&D efforts spanning 3G/4G protocol and modem design, imaging, multi-media systems architecture, computer vision & machine learning and embedded software.

Dr. Gore, co-authored a graduate level textbook on MIMO wireless : "Introduction to Space-Time Wireless Communications" – used as a textbook in schools around the world, and has 88 US patents to his credit. His first patent while at Stanford University was licensed by Intel and Samsung.

<u>Professor Nisheeth Vishnoi - B.Tech. 1999, Computer Science and Engineering</u>

Prof. Nisheeth Vishnoi is Associate Professor in the School of Computer and Communication Sciences at École Polytechnique Fédérale de Lausanne (EPFL), and is an associate of the International Center for Theoretical Sciences, Bangalore. Prior to joining EPFL, he worked at Microsoft Research and IBM Research. He also held visiting positions at the Simons Institute for the Theory of Computing in Berkeley and University of California Berkeley.

Prof. Vishnoi obtained his B.Tech. in Computer Science and Engineering, IIT Bombay in 1999 and earned his PhD in the Algorithms, Combinatorics and Optimization program at Georgia Institute of Technology, USA in 2004. His research focuses both on foundational problems in algorithms, complexity and optimization, and on how computation can be used to gain insights into processes in nature and society. A recurring theme in his work has been to make surprising, deep and elegant connections between disparate areas of computer science, mathematics and the sciences.

Prof. Vishnoi is also leading efforts to build bridges between theoretical computer science and biology, and was a co-organizer for the first Dagstuhl workshop on "Evolution and Computing", the chair for the EPFL Research Day on "The Computational Universe", and a founder of "Off the Convex Path", a blog on how intractability is overcome in nature and the real-world.

Prof. Vishnoi has authored two monographs, "Lx=b" on Laplacian solvers and their algorithmic applications and "Faster Algorithms via Approximation Theory" and a survey on convex optimization. These present techniques and results play a crucial role in the emerging theory of fast algorithms and are being used in courses at universities around the world.

He has received the Best Paper Award at FOCS in 2005 and the IBM Research Pat Goldberg Memorial Award for 2006 for his work on the Unique Games Conjecture. He is also the recipient of the Indian National Science Academy Young Scientist Medal for 2011.

K.9. Distinguished Service Awards 2015

Mr. Pramod Chaudhari - B. Tech., 1971 Mechanical Engineering

Mr. Pramod Chaudhari is the Founder and Executive Chairman of Praj Industries Limited which is considered to be India's most successful biofuels company. His career spans over 40 years of professional and entrepreneurial endeavour. After completing his B.Tech. in Mechanical Engineering from IIT Bombay in 1971, he started working as an Production executive on shop floor at Force Motors. He worked with the company till 1975 and then went on to join Widia (India), where he handled Technical Sales & Services of Cutting Tools till the year 1981. It was in the year 1984 that he established Praj. Since then he has built Praj into a global company. Today, he is intensifying the company's activities into the knowledge domain of biotech processes and systems in the global arena. The focus is on clean technologies coupled with alternate feedstocks for renewable energy sources.

To strengthen his corporate expertise, he attended Advanced Management Programme at Harvard Business School in 1995. He has contributed to the National Biofuels Policy as a member of the Committee on Development of Biofuels - Planning Commission, Government of India, for introduction of renewable fuels to India.

Mr. Chaudhari, has been actively engaged with IIT Bombay for many years. He has contributed significantly towards up-gradation of facilities at the Institute including expansion of laboratories, sponsoring chair professorship and in an advisory role on various committees. He is member of Governing Board of SINE (Society for Innovation and Entrepreneurship) at the Institute and Member of the IIT Bombay Advisory Council. IIT Bombay recognized his contribution towards modernization of laboratory by naming it the 'Parimal and Pramod Chaudhari Laboratory for Cell Culture'. He has instituted a chair professorship called 'Pramod Chaudhari Chair Professorship for Green Chemistry and Industrial Biotechnology'. Praj Industries is also associated with IIT Bombay through 'Praj Industries Chair Professorship for Energy Sciences and Engineering' and; 'Praj Bioprocessing Laboratory' under DBT-Pan IIT Centre for BioEnergy.

Mr. Chaudhari has been recipient of many awards and honours which includes The 'Distinguished Alumnus Award' of IIT Bombay in 2005; 'BioSpectrum Leadership Award' for his remarkable work in promoting the cause of Biofuels in the past three decades; *Empresario* Most Inspiring Entrepreneur Award' by National Institute of Industrial Engineering (NITIE),

Mumbai; 'Lifetime Achievement Award' by Sugar Technologists' Association of India; 'Maxell (Maharashtra Corporate Excellence) Life Time Achievement Award' by Maxell Foundation, Mumbai; 'Life Time Achievement Award' by Army Institute of Technology, Pune; 'National Level Entrepreneurship Award' from Jagatik Marathi Chamber of Commerce; Finalist for Life Time Achievement Award by Platts Energy (McGraw Hill); 'Outstanding Contribution through Innovation Award' from Chemtech Foundation for leading Praj into developing innovative technologies and many more.

His most cherished moment at IIT Bombay was when he participated in Shramdaan by IITB to build a school near Patan (Dist. Satara) after Koyna earthquake. In his leisure time, he likes to read, watch films and mentor young entrepreneurs.

this and various other events are being used to support the 'Village Knowledge Center' initiative of the Chapter. Mr. Majmudar was one of the key organizers of the closing event of the IITB Golden Jubilee celebration. The event was a mammoth effort by the Institute's Alumni Association (AA), which brought together people from across the globe, to Bangalore. "I believe in the value of keeping in touch and building networks irrespective of any direct gain. I think the IITB network is a seriously undervalued network and AA activities are the only way to ensure that the members remain engaged. I also felt that many of the AA activities were too focussed on "giving back" and therefore did not really appeal to the younger group. Hence, I tried to do something different," he says.Reading, Karate (holds a brown belt and hopes to get a black belt soon), playing football, badminton, and mountaineering are his hobbies.

Mr. Ashok Kalbag - B.Tech., 1974 Mechanical Engineering

Mr. Ashok Kalbag started his career with Godrej & Boyce in the year 1974 in the Design & Development department. He joined Klaas Equipment, Nashik in 1981. After a 4 year stint with the company he went on to join Mechelonic Engineers, Mumbai from where he retired in 2008 as General Manager (Ops). He was involved in design & manufacture of resistance welding systems including India's first Rail Flash-Butt Welding Machine.

Mr. Kalbag has been actively associated with IIT Bombay. He was a part of the core team for the Silver Jubilee event of 74 batch in the year 1999. He recommended Higher Education Forum (HEF) awards to Profs. Milind Rane, Kavi Arya, and Kanan Moudgalya who were awarded the distinguished engineering faculty awards during HEF Teacher's Day awards. He

has contributed regularly through GO-IITB and has been President of IITBAA Mumbai Chapter in the past. He has also participated in 3 Goa conclaves to help drive IITBAA-IITB initiatives (including Global Business Forum). He has been a regular participant of Student Alumni Mentorship programme.

Mr. Kalbag has got recognition from Higher Education Forum for his NGO activities. He used to actively participate in aero-modelling, flying, sailing, trekking, sky diving, etc. in the past but currently he indulges himself in contributing to changing the narrative of formal education in the country during his free time. Sharing an anecdote from his stay at IIT Bombay as a student he says, *"Despite 5 years in IIT hostel (2) I never picked up the habbit of smoking or alcohol consumption by choice. However, was penalised for drunken behaviour on the last day sendoff party in hostel (one of only two tee totallers in the whole party – both fined!)"*.

Mr. Rajesh Radhakrishnan - B.Tech., 1988, Metallurgical Engineering and Materials Science

Mr. Rajesh Radhakrishnan is a consultant and advisor to senior management of companies from the engineered products, manufacturing and education sectors. He was trained cross-functionally across customer-facing and back-end functions. His international, cross-cultural training includes on-the-ground experience managing businesses in North America, India, France/ Western Europe, Brazil, Indonesia and China. He is currently the Director at Eaton, a $22B electrical and industrial products manufacturer, with responsibility for Strategy, Mergers-Acquisitions, Business Development. Prior to this, he had Vice President responsibilities in three functional areas – Marketing, Strategy- BD Business Development -M&A Mergers & Acquisitions, and P&L Profit & Loss management of International Operations – at Tecumseh Products in Michigan ($2B), Pentair in Minnesota ($3.5B), Larsen & Toubro ($12B) in India, and Elgi Equipment ($200M) in India.

Mr. Radhakrishnan has a B.Tech. in Metallurgy from IIT Bombay and an MBA from Kellogg School of Management at Northwestern University, with specialization in Strategy, Marketing & Finance. Sharing his memories of IIT Bombay he says, *"I still remember coming to IIT Bombay as a scared kid from a small town in Kerala, and then going on to build my confidence on a variety of things ranging from debating in the Hostel GBM seniors feared by all for their verbal skills, being on the quiz team, editing the campus magazine, being Social Secretary who had to go talk to young ladies from South Bombay colleges to arrange socials, … and earning a Lit Scroll and a Best Sportsman in the final years. Earning a cohort group with whom we have*

strange languages & rituals, but at the end of the day we have the loyalty and love of brothers & sisters. After the 25-year reunion, it feels that I can pick up the phone and call about 100 people in 50 different cities around the world at 8pm and say, "arrey boss, I am in town – can we meet?" OR "boss – I need some help with."

He adds further, *"I will never forget the patience and gentleness of Professors PK Rao and NB Ballal, my dept head and BTP guide, who were gentle with me but did not hesitate to give me tough love so that I would focus more on academics (while acknowledging my enthusiasm for Department and campus activities) … and helped me to get back to basics in my 3rd and 4th years."*

He is passionate about Asian Americans as a constructive and engaged voice at the table in the future of Michigan, and creating meaningful coalitions among Asian Americans of widely different national backgrounds building on common shared values of family & community, the immigrant experience & drive for excellence, and social justice. He serves on the Board of Directors of Asian Pacific Islander APIA Vote Michigan and as a Parent VP of Diversity & Inclusion at the Roeper School. Mr. Radhakrishnan served during 2000-2012 in leadership and on the boards of several non-profit organizations in the US and India – organizations like the Cleveland Education Fund, Southeastern Youth and Family Services in Milwaukee, Compatible Technology International in Minneapolis, and IIT Bombay Heritage Foundation. Rajesh volunteers with his kids at the Humane Animal Society (India), Michigan Humane Society, and Puddingstone Farms, a woman-owned farm in Southeastern Michigan

Mr. Rajesh Radhakrishnan has been actively associated with the Institute. He was a founding member of the PanIIT alumni organization in Chicago in 2002 and as its first President, grew the Chicago-Midwest chapter to a robust membership of ~ 3000 alumni to financial independence and enduring organizational purpose and strength. During 2002-05 Rajesh also anchored the Midwest chapter of IIT Bombay Heritage Foundation. During 2011-12, while living in Powai, Rajesh was a regular visitor to the Dean's offices in IITB and assisted the Dean of Student Affairs & Finance in outreach to the corporate community, including corporations like Larsen & Toubro. Since 2012, upon return to Michigan, USA, Rajesh has been instrumental in revitalizing the Detroit-Michigan chapter of IITB and PanIIT, organizing approximately 10 events during the year that bring families and IITans together for professional and social events. Rajesh also served on the Executive Committee of the IITB Heritage Foundation in 2003-05 and again since 2013.

Mr. Abhay Sawant B.Tech., 1988, Electrical Engineering

Mr. Abhay Sawant is the Chief Executive Officer of Busy Dolphin in Texas, USA. He did his B.Tech. in Electrical Engineering from IIT Bombay in 1988 and MS in Computer Science from the University of Minnesota. He has worked in the telecom industry for over 14 years in engineering department and has played various managerial roles. Subsequently, Mr. Sawant started his own business and currently runs a digital marketing company.

Mr. Sawant is a co-founder, president for the past seven years and now also the Chairman of IIT Alumni of North Texas. He has helped drive networking among the alumni in the region by organizing various events and activities. He has organized meetings for the visiting IITB delegations with local universities, and industry leaders. Mr. Sawant also serves on the IIT Bombay Heritage Foundation.

While sharing his memories about IIT Bombay he says, *"It was during my stay at IIT Bombay as a student, that I developed love for photography. The hostel dark room provided opportunity to manually print the black and white pictures- some of which I still have. I also feel that IIT hostel life gave all of us our lifelong friends."*

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