Office of the Dean, Alumni & Corporate Relations

INDIAN INSTITUTE OF TECHNOLOGY BOMBAY

Mumbai, India

FUND UTILIZATION REPORT

Financial Year 2014-15

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.

Powai Lake from Jalvihar Guest House

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 2014. You will be glad to know that the Institute recently won the prestigious National Intellectual Property Awards for 2015. IITB won the award for the Top India Academic Institution for Patents, Best Commercialization of Patent(s) based in India and the WIPO Users trophy.

I also feel proud to inform you that our Distinguished Alumnus Manohar Parrikar has been appointed as the Defence Minister of India. This is indeed a great achievement of a fellow alumnus, and please joins me in congratulating him for this distinction.

We have started a Bachelor of Design program under the aegis of Industrial Design Centre, from this year. A Biomedical Engineering and Technology (Incubation) Centre (BETiC) has been recently set up at IIT Bombay, which endeavors to bring physicians and engineers together for medical device innovation. It will facilitate rapid translation of innovative ideas from surgeons in to high-quality low-cost medical devices suitable for the local population.

We are in the process of establishing a National Centre of Excellence in Technology for Internal Security (NCETIS), which will be developed as a national nodal facility with a long term and focused approach to develop technologies to meet internal security challenges for Police and Paramilitary forces. It will engage with industry partners for possible commercialization of the technologies that are developed. It will, moreover, undertake consulting and advisory services for security forces about technology choices and host training activities for technology appreciation.

I am moreover, pleased to share with you that we have started the groundwork for establishing a Research Park on Campus. The idea is to build an ecosystem where academic researchers from IITB and industry partners work in close collaboration on cutting edge research problems, technology challenges and product innovation. It will benefit the participating industries by providing them proximity to the intellectual capital of IITB in the form of its students and faculty. It will additionally enable them access to IIT Bombay's state-of-the art facilities like labs, workshops and, library. On the other hand, it will allow our students and even faculty to work on industry projects and gain valuable experience.

Our Alumni Day celebrations in December 2014 saw a huge turnout. Besides conferring the Distinguished Service Awards on five alumni members this year, the Institute felicitated its Distinguished Alumnus, Mr. Manohar Parrikar, Minister of Defence, Government of India, who graduated in Metallurgical Engineering from the Institute in 1978, on the occasion. The 56th Foundation Day celebrated in March this year witnessed Distinguished Alumnus Awards being conferred on 13 of our esteemed alumni and presentation of Young Alumnus Achievers Awards to six of our young graduates.

It was indeed a pleasure meeting many of you at the Yale-IIT Alumni Leadership Conference held at IITB in January 2015 and at our first Faculty Alumni Network (FAN) India Symposium and Distinguished Alumni Meet, both held in Goa in the same month. We hope to stay in touch.

Last but not the least; I take this opportunity to thank you for contributing towards the betterment of the Institute. Due to the generosity of our alumni and corporate partners, we received a total donation of Rs 48 crore last year, which is a huge increase from the previous year. This has enabled us to support several important activities at the Institute. We look forward to your continuous support.

Hope to see you soon.

Regards,

Ravi Sinha

Dean, Alumni and Corporate Relations

Class '70 Reunion in July 2015

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. 48 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, Hindustan Aeronautics Limited, Bharat Forge Limited, Applied Materials, and Class of 1989 among others. The development and alumni activities of our Institute are not just a role model in India, and have been also appreciated by major US universities such as Yale University recently.

Donations Received during 2002-2015

Major Donors

Sir Dorabji Tata Trust

Hindustan Aeronautics Limited

Bharat Forge Limited

Applied Materials Inc.

Class of 1989

IIT Bombay Heritage Foundation

Inauguration of IIT Bombay Monash Academy

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 relevant 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 tuition fees. 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 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 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*

B.2. Fellowships:

The following Fellowships have been instituted by corporate entities 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*

B.3. Loan Scholarships:

Financial Aid Program

Loan Scholarships are managed by IIT Bombay Alumni Association.

No of disbursement - 110

Total Amount disbursed - Rs. 30,59,908

Student benefited - 7

B.4. Awards & Prizes during Convocation 2014

The 52nd Convocation took place on the campus this month and saw the induction of a fresh group to the huge alumni family. **Dr. Raghunath A. Mashelkar,** National Research Professor, CSIR-National Chemical Laboratory, Pune, was the Chief Guest for the occasion and delivered the Convocation Address. During this year's Convocation, the President of India Gold Medal was awarded to **Raaz Dwivedi** from the Department of Electrical Engineering while the Institute Gold Medal was awarded to **Rahul Sharma** of the Department of Physics. Over 2200 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 01-04-2014	2,30,991
Add: Interest upto 31-03-2015	25,116
Less : Transfer to Endowment	-
Less : Expenses during the year	-
Closing Balance as on 31-03-2015	2,56,107

B.4.2 Dr. P V Sukhatame Prize

Particulars	Amount (Rs)
Opening Balance as on 01-04-2014	-
Add: Interest up to 31-03-2015	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	-

Please refer to the relevant section in *Appendix K.4*

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 01-04-2014	10,55,049
Add : Transfer from Student Scholarship Fund	6,15,091
Add: Interest up 31/03/2015	15,96,022
Less : Expenses during the year	32,66,162
Closing balance as on 31-03-2015	-

Expenditure Details for Student Development Fund

Sr. No	Name of the student/Professor	Particulars of Expenditure	Department	Amount (Rs.)
1	Akshay Joshi	Student Exchange Program	Electrical Engg	1,80,000
2	Prakhar Jaju	Student Exchange Program	Chemical Engg	1,80,000
3	Prof N C Narayanan	Travel expenses for joint winter School	CTARA	28,250

<u>Renovated P C Saxena Auditorium</u>

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 the *Appendix K.5*

C.2. Excellence in Teaching Awards

The Excellence in Teaching Award was conferred on the following faculty members on Teacher's Day 2014:

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. Class 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 "Joining Bonus" in last financial year can be found in the Appendix.K.6

Financial Report for Young Faculty Joining Bonus: Particulars	Amount
Opening Balance as on 1/4/2014	1,98,80,889
Received during the year	1,39,99,439
Expenditure	1,00,00,000
Closing Balance	2,38,80,328

C.4. Faculty Awards

List of faculty awards during the academic year 2014-15

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

Digital India Week

D. Infrastructure Development

D.1. Wadhwani Electronics Laboratory

IIT Bombay's Distinguished Alumnus Dr Romesh Wadhwani is the major contributor towards the "Wadhwani Electrconis Labratry" . acquiring several low-end type and a few high-end type instruments and a large number of Pentium 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 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 01/04/14	76,15,530
Addition during the year	53,02,169
Expenses during the year	12,30,728
Closing / Remaining Balance as per 31-03-15	1,16,86,971

D.2. Applied Materials Laboratories

Applied Materials Exploration Center at IITB, which was inaugurated on May15th 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 01-04-2014	3,24,452,66
Addition during the year	3,90,523,58
Less Expenditure during the year	2,22,036,21
Balance as on 31-03-2015	4,92,940,03

Detailed Financial Report

Exploration Centre

Particulars	Amount (Rs)
Opening balance as on 01-04-2014	3,16,040,00
Addition during the year	1,04,825,00
Less Expenditure during the year	1,01,892,50
Balance as on 31-03-2015	3,18,972,50

Nano Lab

Particulars	Amount (Rs)
Opening balance as on 01-04-2014	(-)81,75,000
Addition during the year	-
Less Expenditure during the year	15,500,00
Balance as on 31-03-2015	(-)97,25,000

Annual Sponsored Project

Particulars	Amount (Rs)
Opening balance as on 01-04-2014	(-)98,09,651
Addition during the year	73,42,500
Less Expenditure during the year	55,05,300
Balance as on 31-03-2015	(-)79,72,451

WET LAB

Particulars	Amount (Rs)
Opening balance as on 01-04-2014	(-)76,61,997
Addition during the year	36,51,850
Less Expenditure during the year	27,50,000

Balance as on 31-03-2015	(-)6,76,0147

CTO Project

Particulars	Amount (Rs)
Opening balance as on 01-04-2014	2,63,39,875
Addition during the year	1,75,75,508
Less Expenditure during the year	22,00,000
Balance as on 31-03-2015	4,17,15,383

Misc

Particulars	Amount (Rs)
Opening balance as on 01-04-2014	(-)1,48,039
Addition during the year	-
Less Expenditure during the year	9,071
Balance as on 31-03-2015	1,57,110

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 has been very important to NCM.

Consolidated Financial Report

Particulars	Amount (Rs)
Opening Bal. as on 01-04-2014	18,60,388
Addition during the year	NIL
Expenditure during the year	15,00,000
Closing Bal. as on 31-03-2015	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 at IIT Bombay in the field of Bioengineering. 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 01-04-2014	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 31-03-2015	1,23,99,889

D.5 Tinkerer's Laboratory

Indian Institute of Technology Bombay (IIT 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 1975 alumni batch of the Institute, who have pledged a sum of Rs 2 crore towards it. The '75 batch alumni team will moreover, 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 01-04-2014	84,97,706
Addition during the year	50,000
Less Expenditure during the year	68,39,820
Balance as on 31-03-2015	17,07,886

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 centre 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 centre aims to develop human resources who are trained in technology, design and entrepreneurship by way of project work, coursework and field practice. The centre 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 01-04-2014	NIL
Addition during the year	21,25,00,000

Expenses during the year	4,89,54,958
Closing Balance as per 31-03-2015	16,35,45,042

D.7. Desai Sethi Entrepreneurship Centre

In a major leap towards encouraging the entrepreneurship spirit among its students, Indian Institute of Technology Bombay (IIT Bombay), established an Entrepreneurship Centre at its premises, with a generous funding received from Syntel Co-founders Mr. Bharat Desai (1975 IIT Bombay Alumnus) and Ms. Neerja Sethi, under the aegis of The DS Foundation (Desai Sethi Family Foundation). The new Centre, is named as 'Desai Sethi Centre for Entrepreneurship', will foster entrepreneurship and technology innovation through new programmes for education and research, multi-disciplinary courses, research laboratories and partnerships. Students in the programme will receive instruction and mentorship from the IITB faculty as well as distinguished guest faculty from leading international institutions.

Consolidated Financial Report

Particulars	Amount (Rs)
Opening Balance as per 01-04-2014	3,03,72,470
Addition during the year	-
Expenses during the year	2,30,49,172
Closing Balance as per 31-03-2015	73,23,298

<u>Panel Discussion facilitated by Desai Sethi Entrepreneurship Centre</u>

D.8. Shenoy Innovation Studio

Shenoy Innovation Studio has been created to create a paradigm shift in design so that the student projects can be nurtured to innovation. The studio aslo supports industries by conducting industry workshps and claborative projects to design innovation pedaggy and

facilitate in-house innovation. It is established with a generous funding received from Mr Sudhakar & Mr Suresh Shenoy.

Consolidated Financial Report

Particulars	Amount (Rs)
Opening Balance as per 01/04/14	2,39,533
Addition during the year	11,00,000
Less Expenses during the year	1,86,188
Balance as on 31-03-2015	11,53,345

Hostel 1

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 our years at IIT played in our professional and personal development

- 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 01-04-2014	45,40,230
Add Interest during the year	1,70,308
Expenditure during the year	-
Closing Bal. as on 31-03-2015	47,10,538

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 01-04-2014	9,74,208
Addition during the year	-
Expenditure during the year	-
Closing Bal. as on 31-03-2015	9,74,208

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.

Particulars	Amount (Rs)
Opening Bal. as on 01-04-2014	16,28,445
Addition during the year	-
Expenses during the year	-
Closing Bal. as on 31-03-2015	16,28,445

E.4. Class of '81

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

No of disbursement - 110

Total Amount disbursed - Rs. 30, 59,908

Student benefited - 74

E.5. Class of '82

All new faculty members joining from June 2011 will be paid Rs. 4 lakhs over four years. The Class '82 initiated this project; Class '83, Class' 84, Class '88 & Class of 89 have also now joined in.

Class of '82

Particulars	Amount (Rs)
Opening Bal. as on 01-04-2014	3,97,35,236
Addition during the year	39,18,872
Transferred to YFA	4,36,54,108

E.6. Class of '83

Class of '83

Particulars	Amount (Rs)
Opening Bal. as on 01-04-2014	1,22,71,334
Addition during the year	-
Transferred to YFA	1,22,71,334

E.7. Class of '84

Class of '84

Particulars	Amount (Rs)
Opening Bal. as on 01-04-2014	1,04,44,286
Addition during the year	19,70,567
Transferred to YFA	1,24,14,853

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	17,53,298
Additions during the year	54,69,210
Expenditure during the year	30,45,000
Closing balance	41,77,508

E.7. Class of '84

Particulars	Amount (in Rs)
Opening Bal. as on 01-04-2014	-
Additions during the year	49,26,418
Expenditure during the year	-
Transferred to YFA	19,70,567
Transferred to RFWF	24,63,209
Transferred to Soneri Baug	4,92,642
Closing Bal. as on 31-03-2015	Nil

E.8.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 dnate to IITB for the purpose of creating a Chair & the Chair shall be called the "Class f 1985 Chair in technology & Sustainable Development".

Particulars	Amount (Rs)
Opening Bal. as on 01-04-2014	0
Additions during the year	1,10,000
Transferred to YFA	1,10,000
Closing Bal. as on 31-03-2015	Nil

E.9. 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. 86 batch funds projects in 2 categories, one for providing support to needy students and second for retaining world – class faculty. Following are the projects:

1. Student Quality of Life Improvement:
   a) **Financial Aid Program (FAP):** Financial Aid Program has been helping students to achieve their dream of getting into IIT. Through Program association gives loans to students who can't get bank loans as they cannot offer a collateral. Interestingly, there has not been a single defaulter. Not only have students returned the money, some have even pledged to help other students.
   b) **Counseling Services Program :** In order to appropriately address the emotional and physiological needs of the students there was a desire 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.
2. Faculty Assistance Program – Gurudakshina : Teaching / Research Excellence Awards are based on contributions made in the areas of teaching, research, lab development and selected professional activities. The Institute has proposed a program, put together by a number of professors of various levels of seniority, in which each type of contribution receives points and awards are made in each category.

Particulars	Amount (Rs)
Opening Bal. as on 01-04-2014	46,08,841

Additions during the year	3,31,600
Expenditure during the year	5,92,479
Closing Bal. as on 31-03-2015	43,47,962

E.10. 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 the students.

Particulars	Amount (Rs)
Opening Balance as on 01-04-2014	44,94,469
Additions during the year	26,61,971
Transferred from Old Endowment	-
Expenditure during the year	35,00,000
Closing Bal. as on 31-03-2015	36,56,440

E.11. 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 intends to support 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 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. **Student Scholarships:** This is a Student assistance project to support financial needs of the students.

Particulars	Amount (Rs)
Opening Balance as on 01-04-2014	76,96,838
Additions during the year	84,35,051
Transferred to YFA	80,00,000
Transferred to RFWF	30,00,000
Closing Bal. as on 31-03-2015	51,31,889

E.12. 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 will consist of the following three schemes:

1. **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".
2. **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.
3. **Student Scholarships:** This is a Student assistance project to support financial needs of the students.

Particulars	Amount (Rs)
Opening Balance as on 01-04-2014	
Additions during the year	1,13,27,229
Expenditure during the year	Nil
Closing Bal. as on 31-03-2015	1,13,27,229

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 goodness as teacher. To be used for professional development. The awardees will be decided by Final year students of B.Tech, Dual Degree & M.Tech. There will be no more than two awards each year. Each awardee will receive Rs 50,000/- (out of interest earned). An Awardee will not be considered for the award for next three years.

Particulars	Amount (Rs)
Opening Bal. as on 01-04-2014	26,97,990
Add Interest for the current year	1,65,034
Less Expenditure during the year	1,00,000
Bal. available	27,63,024

F.2. Library Journals & Sci Finder Endowment

The Library endowment is sponsored by the IIT Bombay Heritage Foundation to help with subscriptions of technical journals. It is the intent of Directors of HF to grow this endowment over time.

Particulars	Amount (Rs)
Opening Bal. as on 01-04-2014	3,18,70,575
Interest available as on 01-04-2014	4,93,484
Addition during the year	1,64,45,358
Expenditure during the year	25,79,255
Closing Bal. as on 31-03-2015	1,90,24,613

F3. Prof. S.P. Sukhatme Endowment

This fund was set up in honor of our former Director Prof S P Sukhatme. Alumni & Well Wishers 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 01-04-2014	36,38,598
Addition during the year	1,100
Interest earned up to 01-04-2014	13,65,392
Interest earned during the year	2,91,110
Expenses from the interest accrued	-
Expenditure during the year from the endowment	-
Balance Interest up to 31-03-2015	16,56,502
Closing Bal. as on 31-03-2015	36,39,698

F.4. N R Kamath Chair Professorship Endowment

Prof N R Kamath served IIT Bombay as a faculty member until his superannuation in 1973. 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 01-04-2014	NIL
Addition during the year	4,63,63,882
Less Transfer to Institute Chair Endowment	18,00,000
Balance as on 31-03-2015	4,45,63,882

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

The objectives of WRCB will be to establish a new standard for research and development in India. The WRCB funds will be used primarily for topping off salaries, for hosting visiting faculty, conference expenses, post-doctoral fellows & research scholars. IITB will provide the infrastructure like facilities, labs, admin support, etc for WRCB.

Particulars	Amount (Rs)
Opening balance as on 01-04-2014	NIL
Addition during the year	4,74,10,824

Add interest earned during the year	1,11,60,591
Balance as on 31-03-2015	5,85,71,415

Gymkhana Ground

G. IIT Bombay Heritage Foundation Donations

The IIT Bombay Heritage Foundation was established as a non-profit public benefit corporation and received its status as a tax-exempt organization from the IRS 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 routed through IITBHF in the year 2014-15:

Particulars	Amount (Rs)
Scholarships	1,01,96,208
Wadhwani Research Centre for Bioengineering	3,01,15,415
Desai Sethi Foundation Scholarships	7,40,888
Faculty Development Fund	16,15,425
Student Development Fund	41,56,007
Hostel Alumni Team Stewardship	17,38,596
Total	4,85,62,539

H. Lecture Series

H.1. TechniGraphicS Lecture

Technigraphics lecture entitled "JSW – The Rise of the Phoenix" was delivered by Mr Sajjan Jindal, Chairman and Managing Director, JSW Group on 24th September 2014.

Speaker:

Mr. Sajjan Jindal

Chairman and Managing Director,

JSW Group

Abstract:

In 1998, during the commissioning of the COREX process, the hearth of the furnace chilled and the fledgling JVSL Steel Ltd. was faced with a burgeoning crisis which threatened to spiral beyond control. Battling with Technological bottlenecks on the one hand, the company faced a threat to its very existence. JSW in its present avatar is a testimony to the resilience, agility and never say die spirit in the organization and the strong will and focus of its promoters. The talk would dwell on the early years of the industry and what it was to business during the "License Raj", trials and tribulations during its tumultuous growth phase including the critical period in 1998 and the ambitious growth plans for the future. The talk would also touch upon JSW's strategy of expanding its business during the second half of the last decade while the whole industry was downsizing and how this helped the group gain the first mover advantage when the recovery happened. The talk would touch upon various facets involved in growing the business, risk assessment and risk appetite and lessons for budding entrepreneurs as they look to build their own enterprise in the future.

About the Speaker:

Mr. Sajjan Jindal obtained his Bachelor's Degree in Mechanical Engineering from M. S. Ramaiah Institute of Technology, Bangalore in 1984 and since then he has been instrumental in transforming the functioning of the Indian Steel Industry with the progressive engagement of all the stakeholders in the development process of JSW Group. JSW Group operates in four key verticals of Steel, Power, Cement & Infrastructure and the Group hopes to expand its footprint to over 40 MTPA of installed steelmaking capacity, over 10,000 MW of installed power capacity and 150 MTPA of cargo handling facilities among others, placing it among the leaders in these areas.

Mr. Jindal is a Member of the Executive Committee and the Chairman of the Sustainability Committee of World Steel association, President of the Institute of Steel Development & Growth (INSDAG) and a Council Member of the Indian Institute of Metals.

Mr. Jindal believes in generating wealth from waste and this has been the cornerstone of JSW's efforts at Sustainable Development and Corporate Responsibility. The JSW Group is an active participant in the areas of health and livelihood, education, environment protection, preservation and promotion of art & cultural heritage and sports.

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

Speaker: Prof Rakesh Agarwal

School of Chemical Engineering

Purdue University

The annual distinguished lecture in memory of Prof C V Seshadri was delivered by Prof Rakesh Agarwal from School of Chemical Engineering, Purdue University on October 9, 2014. Title for the lecture was "**Engineering and Sustainable Energy Future".**

In the long run, it is likely that all the basic human needs will be met by renewable sources like solar energy. However, there are several challenges associated with harness, storage and use of solar energy to meet our daily needs for food, chemicals, heat, electricity and transportation. In a sustainable future, all these usage must coexist. We will first present some results from our energy systems modeling highlighting the synergistic interactions that exist for transportation sector and production of chemicals. This will be followed by a brief discussion and analysis of candidate processes to produce hydrogen from solar energy and our modeling results for energy storage at giga Watt-hour levels.

An exciting aspect of producing fuels and chemicals from biomass is learning to produce the array of molecules that we need with minimum process transformation steps and energy use while maximizing biomass carbon recovery. In this aspect, recent advancements at Purdue by a team of chemists, biologists and chemical engineers will be presented. We will show the new pathways and the associated catalysts that have been developed for the production of fuel and chemicals. On the sun to electricity front, we will present highlights of our research on thin film solar cells via nanocrystal ink based route. We will discuss process and technical solutions leading to power conversion efficiencies that

are among the highest for Cu(In,Ga)Se2 and Cu2ZnSnSe4 based solar cells by solution based routes.

About the Speaker:

Prof. Rakesh Agrawal received a B. Tech. from the Indian Institute of Technology, Kanpur; a M.Ch.E. from the University of Delaware, and an Sc.D. in Chemical Engineering from the MIT. At present, Prof. Agrawal is Winthrop E. Stone Distinguished Professor, School of Chemical Engineering, and Purdue University. Previously, he was an Air Products Fellow at Air Products and Chemicals, Inc., where he worked until 2004.

A major thrust of his research is related to energy issues and includes novel processes for fabrication of low-cost solar cells, biomass to liquid fuel conversion, and energy systems analysis. His research further includes synthesis of multi component separation configurations including distillation, membrane and adsorption based processes, basic and applied research in gas separations, process development, gas liquefaction processes and cryogenics. He has published 130 technical papers and has given over 173 invited lectures. He holds 120 U.S. and more than 500 foreign patents.

Prof. Agrawal has received nearly four dozen awards including, Shreve Award for teaching excellence from the graduating seniors of the School of Chemical Engineering at Purdue University, Morrill Award for excellence in research, teaching and service from Purdue University, J & E Hall Gold Medal from the Institute of Refrigeration (UK), Presidential Citation for Outstanding Achievement from the University of Delaware, Industrial Research Institute (IRI) Achievement Award, C. K. Murthy Memorial Lecture (IIChE), and from the AIChE: the Gerhold award in separations, Excellence in Industrial Gases Technology, Institute Lecture, Chemical Engineering Practice, Fuels and Petrochemicals Division, and Founders awards.

He is a member of the US National Academy of Engineering, a Fellow of the American Academy of Arts and Sciences, US National Academy of Inventors, and a Fellow of the Indian National Academy of Engineering. Prof. Agrawal received the National Medal of Technology and Innovation from the U.S. President in 2011, the highest honor given by the US government for technology.

About the CV Sheshadri Lecture Series:

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

This lecture was not held during 2014-15.

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. As Girish was a passionate advocate of energy and alternative energy & sustainable development.

H.4. Indira Foundation Distinguished Lecture

Speaker: Prof Uriel Frisch

French National Centre for Scientific Research (CNRS)

The second annual Indira Foundation lecture was delivered by Prof. Uriel Frisch from the French Academy for Sciences on Wednesday, October 29, 2014 in VMCC, IIT Bombay. Title for the lecture was: ''**Cauchy's almost forgotten Lagrangian formulation of the Euler equation for 3D incompressible flow**''.

Abstract:

Two prized papers, one by Augustin Cauchy in 1815, presented to the French Academy and the other by Hermann Hankel in 1861, presented to Goettingen University, contain major discoveries on vorticity dynamics whose impact is now quickly increasing.

i) Cauchy found a Lagrangian formulation of 3D ideal incompressible flow in terms of three invariants that generalize to three dimensions the now well-known law of conservation of vorticity along fluid particle trajectories for two-dimensional flow. This has very recently been used by Zheligovsky and Frisch to prove analyticity in time of fluid particle trajectories for 3D incompressible Euler flow and can be extended to compressible flow, in particular to cosmological dark matter.
ii) Hankel showed that Cauchy's formulation gives a very simple Lagrangian derivation of the Helmholtz vorticity-flux invariants and, in the middle of the proof, derived an intermediate result which is the conservation of the circulation of the velocity around a closed contour moving with the fluid. This circulation theorem was to be rediscovered independently by William Thomson (Kelvin) in 1869.
Cauchy's invariants were only occasionally cited in the 19th century - besides Hankel, foremost by George Stokes and Maurice Levy - and even less so in the 20th until they were rediscovered via Emmy Noether's theorem in the late 1960, but reattributed to Cauchy only at the end of the 20th century by Russian scientists.
Prof. Uriel Frisch, will also give a brief introduction to how Cauchy's result can now be used to prove the analyticity in time of fluid particle trajectories.

About the Speaker:

Prof. Uriel Frisch earned his Ph.D. in 1967 from the University of Paris, and since then he has worked at the French National Centre for Scientific Research (CNRS). He retired in 2006, and became a director of research emeritus at CNRS.

Prof. Frisch is the author of over 200 research publications. One of his most cited works, published in 1986, concerns the lattice gas automaton method of simulating fluid dynamics

using a cellular automaton. Prof. Frisch is also known for his work with Giorgio Parisi using wavelets to analyze the fine structure of turbulent flows, for his early advocacy of multifractal systems in modeling physical processes, and for his research on using transportation theory to reconstruct the distribution of matter in the early universe. He won the Peccot Prize of the Collège de France for his doctoral thesis in 1967, the Bazin Prize of the French Academy of Sciences in 1985, and the Lewis Fry Richardson Medal of the European Geosciences Union "for his fundamental contributions to the understanding of turbulence" in 2003. He is a member of the French Academy of Sciences since 2008. He is a Chevalier of the Ordre national du Mérite and the recipient of the 2010 Modesto Panetti e Carlo Ferrari prize.

About the Lecture Series:

Indira Foundation Distinguished Lecture Series was instituted at IIT Bombay by Indira Foundation, which has been established by Mr. Avi Nash, an 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: Dr Makarand Phadke

Senior Vice President, Innovations at Reliance Industries Ltd

This year's first Institute Distinguished Lecture in Chemical Engineering in memory of Prof.K.C.Khilar was held on April 15, 2014 Dr. Makarand Phadke. The title of the lecture was **"Chemical Engineering – Evolution To-date & Journey Forward"**

Abstract

Since its inception, Chemical Engineering as a discipline has continually evolved and contributed substantially to solving societal problems/challenges. One of the key emerging trends is that of increasing collaborations between various disciplines. Collaborative approach is becoming more & more necessary as the problems are increasing in complexity and time scale of change is accelerating. In this presentation, we will exemplify the above trend with some recent examples. The presentation will then attempt to bring out the key challenges /problems that need to be addressed in the future and how engineering discipline in general and Chemical Engineering discipline in particular will need to further evolve to meet these challenges. The presentation will also attempt to highlight how industries manage their technology development portfolios to maximize chances of value creation.

About the Speaker

Dr. Makarand Phadke obtained his B Tech in Chemical Engineering from IIT Bombay in 1980, and MS & PhD in Chemical Engineering from Carnegie-Mellon University, USA, in 1984. Dr. Phadke is currently Senior Vice President, Innovations at Reliance Industries Ltd. In this role, he is involved in developing & deploying innovation programs across the company as well as steering company into new technology areas. He is currently the Chairman of Federation of Indian Chamber of Commerce's Science, Technology & Innovations Committee. Renewable Energy, Green Technology, Water Conservation & Reuse are some of the emerging technology areas that interest him.

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 **About the Lecture Series:**

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

This lecture was not held during 2014-15.

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".

G8. Radhika Rajan Leadership Lecture

This lecture was not held during 2014-15

About the Lecture Series: Radhika Rajan Women Leadership Lecture has been instituted at IIT Bombay to invite renowned Women leaders in various fields to deliver distinguished lecturesat the Institute. The Lecture provides the opportunity to IIT Bombay community and our external partners to learn from a highly acclaimed Lecturer. The visit of the Lecturer also enables her to visit some campus facilities and learn about exciting activities of the Institute. The lectures are typically on topics that attract broad interest among the IIT Bombay community. The first Lecture was delivered in 2011 by Ms. Rohini Nilekeni. The Institute has now decided to hold this Lecture annually.

H.9. Nomura Lecture

Speaker: Dr. Jonathan S. Dordick

Vice President, Research at Rensselaer Polytechnic Institute

Nomura Lecture on Biocatalytic Nanocomposites was held on February 4, 2014. The topic for the lecture was "Biocatalytic Nanocomposites Engineering Form, Function, and Protection from Disease".

About the Speaker

Dr. Jonathan S. Dordick is the Vice President for Research and the Howard P. Isermann Professor of Chemical and Biological Engineering at Rensselaer Polytechnic Institute. Prof. Dordick received his B.A. degree in Biochemistry and Chemistry from Brandeis University and his Ph.D. in Biochemical Engineering from the Massachusetts Institute of Technology. He has held chemical engineering faculty appointments at the University of Iowa (19871998), where he also served as the Associate Director of the Center for Biocatalysis and Bioprocessing, and Rensselaer Polytechnic Institute (1998present) where he also holds joint appointments in the departments of Biomedical Engineering, Materials Science and Engineering, and Biology. Prof. Dordick's research group includes chemical engineers, bioengineers, materials scientists, biologists, chemists and microbiologists all focused on gaining a quantitative understanding of biological principles and applying them to advance bioengineering, nanobiotechnology, drug discovery, and biomanufacturing.

Abstract of the Lecture Series:

Nature is unparalleled in its structural and functional diversity. Living organisms make fantastic materials under myriad conditions with properties we cannot emulate today using conventional approaches. In many cases, nature has provided us with a blueprint to design and assemble both natural and synthetic building blocks to create a new generation of functional, organized, and responsive materials. We have taken cues from nature to design materials with unique structural and functional properties, along with new process technologies with the ability to produce a wide range of biomimetic structures. Specifically, we have focused on the generation of nanostructures that are functionalized with and in some cases constructed from biological molecules, complete with tailored selectivities and biocatalytic activities. For example, these nanostructures have been exploited in the generation of biocatalytically functional polymeric films, coatings, and paints that kill bacteria, prevent biofilm formation, and reduce fouling by bioorganic molecules.

About the Lecture Series: Nomura Lecture has been instituted at IIT Bombay through the Dean (Alumni & Corporate Relations Office) as one of the several benefiting activities funded and encouraged by Nomura Services India Private Limited in areas of proposed interest. Nomura's association with IIT Bombay formally began in 2010 through the establishment of this mutually benefiting understanding.

Lord Maude's visit to IIT Bombay

I. Major Events Organized By Dean ACR Office

I.1. Institute Valedictory Function

The Institute Valedictory Function for the class of 2014 was held on 3rd of May 2014 in the FC Kohli Auditorium of Kanwal Rekhi building. The event registered a large participation and the FC Kohli Auditorium was choc-o-block with students. Professor Dipan Ghosh of Physics department was the Chief Guest of the function. A highly distinguished academic, Prof. Ghosh has been conferred with a large number of awards and recognitions. In 2011, the Institute bestowed its highest recognition to a faculty member by conferring him with the Lifetime Achievement Award. A well-known theoretical physicist known for Majumdar-Ghosh model, Ex-Deputy Director of IITB and presently Professor Emeritus in the Department of Physics, Prof. Ghosh presided over the event as the chief guest. His highly engaging keynote address was straight and simple, hilarious at times, but also lucid and apt for the graduating class. He explained what the world expects from an IITian and showcased how the aspirations of students have changed over time, comparing that of his own time with the current times. He also gave examples of alumni who have exclled in various walks of life and how they continue to draw upon the important lessons learnt during student days at IIT. He cautioned the students that being a graduate from IIT Bombay would not be enough to rise to one's full potential. One also needs to graduate in life, and which is possible only by following the right ideals and values.

I.2. CSC Leaders for students Program Sponsored by British Petroleum

CSC Leaders is a partnership between international leadership development organization Common Purpose and HRH the Duke of Edinburgh's Commonwealth Study Conferences (UK Fund) CSC Leaders for Students are leadership development programmes held in major Commonwealth cities where significant numbers of students from across the Commonwealth study. The program takes students off campus to spend time with leaders in a city, gaining insights into how the city operates through discussions, debates, case studies and group work. CSC leaders for students organized a leadership summit from 4-7 August, 2014 at IIT Bombay.

I.3. Student Alumni Meet

The fourth edition of the Student Alumni Meet (SAM) was held at IIT Bombay on the 11 th and 12 th of October. The flagship event of the Student Alumni Relations Cell (SARC) of Dean ACR office witnessed participation of a large number of students, faculty members and alumni.

SAM 4.0 was initiated by a Keynote Speech by Mr. Bharat Kewalramani, who gave an inspiring talk about the various ways students deal with success and failure. The event was attended by close to 50 people. That was followed by Break the Ice (BTI), which involved an informal gettogether for mentors and their mentees over lunch.

The Panel Discussion on "Setting up of new IITs: Satisfaction of a genuine need or a dilution of quality" witnessed a lively interaction between the five panelists and 80odd people attending the event. The Core Weekend talks were addressed to those wishing to pursue careers in Metallurgy & Material Sciences, Industrial Engineering & Operations Research, Civil Engineering, Aerospace Engineering, Chemical Engineering, Mechanical Engineering

and Computer Science & Engineering. This was concluded by an informal interaction between alumni and students over the "High Tea & Open Networking" Session.

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

In keeping up with tradition, IIT Bombay celebrated the annual Alumni Day on the 28th of December (the last Sunday of the year) with a bang. The Alumni Day function coincided with the reunions of the Decennial Batch (Class of 2004), the Silver Jubilee Batch (Class of 1989) and the Ruby Jubilee Batch (Class of 1974).

The function was attended by almost 300 alumni from various batches and various cities, representing various Chapters of the IIT Bombay Alumni Association. The function began in the morning with a presentation by the Director of the Institute, Prof. Devang Khakhar about the various developments in the Institute.

Distinguished Service Awards were conferred upon:

Mr Raj Laad (B.Tech '82 Electrical)

Mr Shankar Narayan (M.Tech '92 Energy Systems)

Mr Saumil Majmudar (B.Tech '93 MetE/MatSc)

Mr Atul Narkhede (B.Tech '93 Computer Science and Engineering)

Mr Abhishek Mangalick (B.Tech '04 Mechanical).

Detailed Profiles Can be found in Appendix K.9.

Distinguished Service Awardees with IITB Dignitaries on Alumni Day 2014

The Silver Jubilee Reunion batch who was having a reunion since the last two days also announced their Legacy Project as a part of giving back to the Institute. They chose to

tackle the most pressing issues facing the Institute viz. financial assistance to new faculty, scholarships to needy students as a part of the Financial Assistance Program (FAP) and health insurance for the retired faculty. The batch together pledged a whooping amount of 3 crore Rupees to the Institute.

Presentation of Ceremonial Cheque by the Silver Jubilee Batch leaders (C'89) to IITB Director

Another attraction this year was the visit of the Honorable Union Minister for Defence Shri Manohar Parrikar (H4, MEMS '78) to the institute. The Institute felicitated him for being the first IITian to be in the Union Cabinet and making his alma mater proud. He was felicitated by the ex-Director of the Institute, Prof S. P. Sukhatme. This was followed by a small speech by the Honourable Raksha Mantri and a detailed Q&A session with the audience on the topic, "Defence Production and the role of the IITs in it". He promised a rapid induction of arms, greater indigenous production of defence systems and a greater role for the IITs, IIMs and other premier institutes of research in this process. This function was also webcasted live on the internet by CDEEP, IIT Bombay. This session was followed by a brief meeting of the dignitaries with the members of the press. Later, Shri Parrikar also visited his old Hostel 4 (affectionately called Madhouse) for a late night bonfire to reminisce about his time in his beloved Institute.

I.5. Yale – IITB Alumni Leadership Conference

An Alumni Leadership Conference was held at IITB on 12 January, 2015 in collaboration with Yale University. The theme of this conference was on how to create and sustain alumni organizations for the benefit of the Institute. The participants from Yale University included senior officials and around 30 alumni leaders. Deans, alumni leaders and student leaders from older IITs also participated in the conference. The best practices that foster alumni communities or "friends for life" were discussed. The Yale alumni leaders and IIT Bombay alumni leaders jointly conducted these sessions. The conference was organized by Yale University and IIT Bombay.

principal@newhorizonscholars.com

Participants at the IITB - Yale Workshop

I.6. Faculty Alumni Network Symposium & Distinguished Alumni Meet

IIT Bombay's first ever Faculty Alumni Network (FAN) India Symposium was organized in Goa on 17th January 2015. The theme of the FAN Symposium was "Energy & Climate" and consisted of several invited talks and panel discussions on the thematic topics. The keynote presentation was given by Prof. Mark Wrighton, President, and Washington University in St. Louis, USA. The FAN symposium was attended by 22 invited young researchers, who had a good opportunity to network with the well-established experts and IITB officials. A

Distinguished Alumni Meet was held at the same venue on 17th-18th January 2015. The Distinguished Alumni Meeting sessions focused on creating a World Class Institution with Indian Heritage, Strengthening Engagement with Corporate Sector and Alumni as Lifelong Stakeholders.

Participants at the GOA FAN Symposium & Distinguished Alumni Meet

I.7.Foundation Day & Presentation of Distinguished Alumnus & Young Alumni Achievers Awards

Indian Institute of Technology Bombay (IIT Bombay) celebrated its 56th Foundation Day on March 10, 2015. Welcoming everyone to the Foundation Day function, Prof. Devang Khakhar, Director, IIT Bombay remarked, "*Our aim is to see IIT Bombay among the top rank of technical universities in the world, which is known for its outstanding undergraduate and postgraduate programmes and for its contribution to research. We want to participate in providing solutions to the problems faced by the nation and the world through innovation.*"Foundation Day is not only the time to rejoice the success of the Institute but celebrate the achievements of its alumni and faculty as well. With this thought in mind, Chief Guest Prof. S.P. Sukhatme, Former Director, IIT Bombay and Former Chairman, Atomic Energy Research Board handed over the **Distinguished Alumnus Awards** and **Young Alumni Achievers Awards** to some of the alumni of the Institute. Speaking on 'IIT Bombay and its tryst with excellence', Prof. Sukhatme said, "*Online learning and Massive Online Open Courses (MOOCS) are said to be the next big thing. However, there is a*

strong need to blend online learning with classical classroom learning. This will lead to increase in the amount and quality of faculty-to-student and student-to-student interactions, which is vital for a holistic educational experience."

DAA & YAA Awardees with the Chief Guest and IITB Dignitaries on Foundation Day

The recipients of this year's awards are as following:

Distinguished Alumnus Awards

Prof. Srinivasan Raghunathan (M.Tech., 1966 and Ph.D., 1970, Mechanical Engineering) - Emeritus Professor of Aeronautical Engineering, Mechanical Aerospace Engineering, Queens University of Belfast, UK.

Prof. Ajit Rangnekar (B.Tech., 1968, Chemical Engineering) – Dean, Indian School of Business (ISB), Hyderabad.

Prof. Ramakrishna Vijayacharya Hosur (M.Sc., 1973, Chemistry) - Senior Professor, Tata Institute of Fundamental Research (TIFR), Mumbai

Dr. Vijaya Korwar Gallagher (B.Tech., 1976, Electrical Engineering) - Technical Director, Advanced Systems at Space Systems Loral, LLC in Palo Alto, California, United States.

Prof. Gautam Barua (B.Tech., 1976, and M.Tech., 1978, Electrical Engineering)- Professor and former Director of Indian Institute of Technology Guwahati

Prof. George Varghese (B.Tech., 1981, Electrical Engineering) – Principal Engineer and Partner, Microsoft Research

Prof. Ketan Mulmuley (B.Tech., 1981, Electrical Engineering) – Professor, Computer Science Department, University of Chicago.

Prof. S. Ramakrishnan (M.Sc., 1982, Chemistry) – Chairman, Division of Chemical Sciences and Professor, Department of Inorganic and Physical Chemistry, Indian Institute of Science (IISc)

Bangalore

Mr Harish Badami (B.Tech., 1985, Chemical Engineering) - CEO and MD, ACC Limited

Prof. Srikant Sastry (M.Sc., 1986, Physics) - Professor, Jawaharlal Nehru Centre for Advanced Scientific Research (JNCASR), Bengaluru.

Lt. Gen. Dr. R.S Panwar (M.Tech.,1988, and Ph.D.,1992 Computer Science & Engineering) - Commandant, Military College of Telecommunication Engineering, Mhow and Colonel Commandant of the Corps of Signals

Dr. Dharmendra Modha (B.Tech., 1990, Computer Science & Engineering) - IBM Fellow and Chief Scientist, Brain-inspired Computing, IBM

Prof. Subhash Khot (B.Tech., 1999, Computer Science and Engineering) - faculty member, Computer Science Department, Courtesan Institute for Mathematical Science, New York University

 Detailed Profiles Can be found in Appendix K.7.

Young Alumni Achievers Awards 2015

Mr. Gagan Bhalla (B.Tech., 1996, Civil Engineering) - Chief Executive Officer, Apollo Sugar

Mr. Ursheet Parikh (B.Tech., 1998, Computer Science & Engineering) - Partner in Mayfield Fund

Prof. Devavrat Shah (B.Tech., 1999, Computer Science & Engineering) - Jamieson Associate Professor, Department of Electrical Engineering and Computer Science, Massachusetts Institute of Technology (MIT)

Mr. Vishal Gupta (B.Tech., 2000, Electrical Engineering) - Founder and CEO, Seclore

Prof. Sachin Katti (B.Tech., 2003, Electrical Engineering) - Assistant Professor, Electrical Engineering and Computer Science, Stanford University

Mr. Zishaan Hayath (B.Tech + M.Tech 2005, Civil Engineering) – Founder, Toppr.com

Detailed Profiles Can be found in Appendix K.8.

J. Other Major Events

J.1. Centre of Excellence in Steel Technology Inaugurated

The steel industry is facing numerous economic, energy and environmental challenges. Globalization and customers' demands have necessitated greater emphasis on innovation and creative solutions in steel production and downstream processing. On the other hand there is a dearth of quality manpower to meet the requirements of the expanding steel industry in the Country. Indian Institute of Technology Bombay (IIT Bombay) establish a Centre of Excellence in Steel Technology (CoEST) at its premises, which was inaugurated today by Shri G. Mohan Kumar, Secretary, Ministry of Steel, GoI, in the presence of Dr. Anil Kakodkar, Chairman, Board of Governors, IIT Bombay.

Dr. Anil Kakodkar, in his inaugural address elaborated the challenges that lay ahead for steel R&D and expressed his hope to see India as a leader in a broader arena of steels beyond just some niche steels used in nuclear energy where India is currently a leader.

Sponsored by the Ministry of Steel, the Centre has a vision to see India as a world leader in steel production and technology. The centre will broadly focus on creation of high quality manpower for the steel industry and focused R&D on steel technology. "The objectives and activities of CoEST will include performing industry relevant research and development on various aspects of steel technology; developing highly skilled manpower for steel industry, providing consultancy to the industry, organizing training programmes for refreshing and updating knowledge of steel industry manpower, organize international conferences on steel technology and network with other organizations involved in steel technology," informed Prof. Devang Khakhar, Director, IIT Bombay.

 IIT Bombay has a strong group of faculty and research infrastructure in physical and process Metallurgy of steel. The institute also offers an M.Tech program in Steel Technology. IIT Bombay y will provide the infrastructure/building for the proposed center. A new building with about 3000 sq.m area dedicated to the CoEST, has been sanctioned by the Board of Governors of the institute and is in an advanced stage of planning.

Inauguration of Centre of Excellence in Steel Technology

J.2. N.R. KAMATH CENTENARY WORKSHOP

The Department of Chemical Engineering, IIT Bombay organized a centenary celebration function on Saturday, 6 September 2014 at the Victor Menezes Convention Center in honour of Late Professor N. R. Kamath. Friends, students and well-wishers were invited to contributetheir memories to a memoir book that will be published in his honor. The function included a session on "Winds of change in Chemical Engineering - NRK's vision and its relevance today", and announcement of Prof. N.R. Kamath Chair Professorship. The function was truly a fitting tribute to the pioneering role he played in shaping the destiny of the department. Born on September 8, 1914, Narayan Rangappa Kamath hailed from Mulki, a small town on the banks of the river Shambhavi near Mangalore in South Kanara district of Karnataka State. Professor Kamath completed his early education in Mulki and his SSLC from Government College, Mangalore in 1930 with high credits. He could not gain admission to the much coveted Presidency College, Madras since admission at that time was also dependent on religious consideration and young Narayan despite his excellent results, belonged to the wrong constituency. He moved to St Xavier's College, Bombay where he completed the B.Sc. course in 1934 with a unique distinction of securing 100% marks in Chemistry, a record unequalled in Bombay University for the next 40 years. Prof. Kamath retired from the service of IIT Bombay in 1974. The Late Prof. N. R. Kamath was an outstanding teacher and technologist who had a profound influence on his students, first at the University Department of Chemical Technology (UDCT, and now named as Institute of Chemical Technology, Mumbai), and then at the Indian Institute of Technology, Bombay. Prof. Kamath played a decisive role as an academician and administrator during the formative phase of growth of not only the Chemical Engineering Department but also the Institute. As the founder Head of the Chemical Engineering department, he played a visionary role in setting the teaching and research agenda for the department. He was a motivating force for both the faculty and students of the department throughout his stint as the Head from 1959 to 1974. During his long stint as the Deputy Director of the Institute, he

showed his administrative acumen by putting in place processes for facile management of all academic activities across the campus. He was a role model and mentor to many of the young faculty and students of his era. The address by Professor Devang Khakhar, Director, IIT Bombay, was followed by the screening of a short film on Professor Kamath. The session on "Winds of Change in Chemical Engineering – NRK's vision and its relevance today" was led by speakers such as Prof. M. M. Sharma, Shri Rajeev Pandia, Prof. A. P. Kudchadkar, Dr. Arun N. Dravid, Mr. Sharu Rangnekar, Mr. Pradeep Jaipuria and Mr. R. Parthasarathy. This was followed by the announcement about the Prof. N. R. Kamath Chair Professorship. Next came up a brief session on "Prof. N. R. Kamath - Reminiscences", where we were treated to some anecdotes about the great man. The event was concluded by a music concert "Guru Vardana" by Dr. Arun Dravid as a tribute to Prof. Kamath.

J.3. Joint Workshop of IITB -MIT Tata Centres for Technology and Design: The first joint workshop of the Tata Centers for Technology and Design at IIT Bombay and Massachusetts Institute of Technology was held in August 2014. The workshop spanned over 5 days (August 18-22, 2014) and was held at Victor Menezes Convention Centre. The workshop was attended by approximately 80 students and faculty members from MIT and a similar number from IIT Bombay. In addition, around 30 industry experts and social entrepreneurs also participated in the workshop.

Renovated IITB Main Gate

K. Appendix

K.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	MANMOHAN RAJENDRA M	120070004
Abhay Kulkarni	Mr. S.J. & Mrs S.S. Kulkarni	MANMOHAN RAJENDRA M	120070004
Avi Nash	Indira Manudhane Scholarship	HASEEN SIDDIQUI	110020065
Bharat Shiralkar	Mr. S.S. Shiralkar	RUCHI AGRAWAL	120010023
Gautam Advani	Gautam Advani Scholarship	MEET UDESHI	14D070007
Lionel D'luna	Lionel j. D'luna Scholarship	RUCHI AGRAWAL	120010023
Noorali Sona walla	Mr Badruddin Sonawalla Scholarship	SAURABH BALKISHAN BAJAJ	13D100008
Noorali Sona walla	Mrs. Minaz Sonawalla Scholarship	UTSAV GOYAL	12D260009
Noorali Sona walla	Mr Kasamali Virani Scholarship	ABHISHEK YADAV	11D170022
Sunil Shah	Smt. Ila Chandrakant Shah Scholarship	SHETTY PRIYESH YADAV	110070006

Name of the Donor	Name of the Scholarship	Name of student	Roll.No
Tarak Goradia	Mr. Shantilal H. Goradia	DEEKSHA SINGHAL	120020066
Arun Majumdar & Aruna Joshi	M. J. Scholarship	SAGAR JHA	110100024
Deepak Sabnis	Prof. G.N. Revankar Scholarship	SAURABH BALKISHAN BAJAJ	13D100008
Dev Purkayastha	Dwaraka Nath Shuklo Baidya Scholarship	SHETTY PRIYESH YADAV	110070006
Dev Purkayastha	Nagesh C Chaudhuri Scholarship	UTSAV GOYAL	12D260009
Dev Purkayastha	Bijoya Chauduri Sholarship	ABHISHEK YADAV	11D170022
Dev Purkayastha	Ashish Prasad Nandi Majumdar Scholarship	MEET UDESHI	14D070007
Dev Purkayastha	Bibha Nandi Majumdar Scholarship	HASEEN SIDDIQUI	110020065
Dev Purkayastha	Sandra Lee Purkayastha Scholarship	MUDIT BOTHRA	140100002
Dev Purkayastha	David J Dunn Scholarship	SAURABH BALKISHAN BAJAJ	13D100008
Dev Purkayastha	Usha Purkayastha Scholarship	DINESH KUMAR YADAV	12D070015
Dev Purkayastha	Himangshushekhar Purkayastha Scholarship	JHA VIKAS NARENDRA	11D070024
Dev Purkayastha	Gajendra Chandra Malakar Scholarship	MADDILA RISHINDRA KUMAR	120110055
Ruyintan E. Mehta	Ruyintan E. Mehta Scholarship	MOHIT KUMAR JAIN	110020080
Ruyintan E. Mehta	Ruyintan E. Mehta Scholarship	SAGAR JHA	110100024

Name of the Donor	Name of the Scholarship	Name of student	Roll.No
Shenoy, Menezes & others	IIT Alumni at Microsoft Scholarship	NISHANT GAURAV	130050036
Shenoy, Menezes & others	IIT Alumni at Microsoft Scholarship	KARRI NAVEEN	130110076
Shenoy, Menezes & others	IIT Alumni at Microsoft Scholarship	RAUNAK SURYAVANSHI	130070024
Shenoy, Menezes & others	IIT Alumni at Microsoft Scholarship	ARCHIT NARANIWAL	110040056
Shenoy, Menezes & others	IIT Alumni at Microsoft Scholarship	SANKA VENKATA SAI SURAJ	130010057
Shenoy, Menezes & others	IIT Alumni at Microsoft Scholarship	RAKESH KUMAR PATEL	130100061
George Tharakan	George Tharakan Scholarship	JHA VIKAS NARENDRA	11D070024
Giridharan Iyengar	Mr. & Mrs. Ranganathan Scholarship	RAUNAK SURYAVANSHI	130070024
Jayant Sathye	Jayant Sathye Scholarship	GUJJULA CHANUKY REDDY	140050043
Kumar & Susan Shah	Kumar & Susan Shah Scholarship	GUJJULA CHANUKY REDDY	140050043
Prafulla Nabar	Mr M. G. Nabar Scholarship	RAUNAK SURYAVANSHI	130070024
Rajeev Mundhe	Mr. Balkrishna K. Mundhe Scholarship	KARRI NAVEEN	130110076
Subodh Ghonge	Subodh Ghonge Scholarship	ARCHIT NARANIWAL	110040056
Sukumar Thanawala	Dr. Chandrakant Thanawala Scholarship	DINESH KUMAR YADAV	12D070015

Name of the Donor	Name of the Scholarship	Name of student	Roll.No
Neela Mudgal	Late Smt Malati & Shri Jagannath Gavankar	ISHITA RAJ SINGH	120020063
Arunava Majumdar	MJ Scholarship	SAGAR JHA	110100024
Ravi Apte	Shri C.K. Apte Memorial Scholarship	SAURABH BALKISHAN BAJAJ	13D100008
Shenoy, Menezes & others	IIT Alumni at Microsoft Scholarship	YOGESH GHANSHYAM PASARI	110010005
Abhay Talsania	H. J. Talsania Scholarship	HARSH YADAV	130020047
Deepak Kamath	Manohar & Sunita Kamath Scholarship	SANKA VENKATA SAI SURAJ	130010057
Deepak Kamath	Manohar & Sunita Kamath Scholarship	RAKESH KUMAR PATEL	130100061
Dilip Limaye	R. N. Limaye Scholarship	RISHABH CHOURASIA	120010013
Rajesh Radhakrishnan	C Vimala Menon & M.R.K Menon	MADDILA RISHINDRA KUMAR	120110055
Dady Dadyburjor	Burjor S. Dadyburjor	HARSH YADAV	130020047
Deepak Sabnis	Prof K Shankar Scholarship	SUDHIR KUMAR	13D070036
Hussain Bhatia	Abbas Bhatia/John A. Martin Scholarship	No suitable candidate found for structural engg	Two scholarships will be given in 15-16 (for last current academics yr
Jayant Kanitkar	Kanitkar Merit Scholarship	NAJMI HAMZA ISMAIL	120040003
Kishor Kulkarni	Dr. Kishor M Kulkarni scholarship	SHREYANS KUMAT	11D100024

Name of the Donor	Name of the Scholarship	Name of student	Roll.No
Kishor Kulkarni	Prof. Mohan M. Kulkarni Scholarship	SANKA VENKATA SAI SURAJ	130010057
Milind Mahajan	Prabhakar D. Mahajan Scholarship	NAJMI HAMZA ISMAIL	120040003
Rajesh Radhakrishnn	Rajesh Radhakrishnan Scholarship	SUDHANSHU SINGH	110110016
Vidyadhar Kulkarni	Vidyakar and Radhika Kulkarni Scholarship'	RAKESH KUMAR PATEL	130100061
Abhay Talsania	Jagjivan Ujamshi Talsania Scholarship	PASAD ANKITA JITESH	12D070021
Abhay Talsania	Mrs Vasant Himatlal Talsania Scholarship	ABHIJITH DIMITROV	130020012
Jayant Kanitkar	Kanitkar Merit Scholarship	NAJMI HAMZA ISMAIL	120040003
Milind Mahajan	Prabhakar D. Mahajan Scholarship	NAJMI HAMZA ISMAIL	120040003
Milind Mahajan	Prabhakar D. Mahajan Scholarship	GURPREET SINGH HORA	120040014
Abraham Thomas	Abraham Thomas Scholarship in Physics	SHOBHIT GUPTA	120260025
Vidyadhar Kulkarni	Vidyadhar & Radhika Kulkarni Scholarship	MUDIT BOTHRA	140100002
Sandeep Vijayakar	Lata Vijayakar Scholarship	HIRAY SUSHANT SHIVRAM	110050009
Dwarika Agarwal	Madho & Radha Agarwal Scholarship	SUYASH JAIN	110110026
Suresh Nihalani	Suresh & Varsha nihalani Scholarship	SUDHIR KUMAR	13D070036
Suresh Nihalani	Suresh and Varsha Nihalani Scholarship	SUDHIR KUMAR	13D070036

Name of the Donor	Name of the Scholarship	Name of student	Roll.No
Niranjan Talwalkar	Shubha & Anand Talwalkar Scholarship	MEET UDESHI	14D070007
IITBHF	IITBHF Scholarships	SUYASH JAIN	110110026
IITBHF	IITBHF Scholarships	KANAPARTHI VEERA VENKATA SATISH	140050040
IITBHF	IITBHF Scholarships	HIRAY SHRUTI SHIVRAM	14D070016
IITBHF	IITBHF Scholarships	ASHWINI JAIN	110040023
IITBHF	IITBHF Scholarships	SUDHANSHU SINGH	110110016
Rajendra Agarwal	Roopkumar & Surajdevi Agarwal schol	PURUSHOTAM	120010016
Samir Kapoor	Anisbert & Kumarie Sequeira Scholarship	HEMIL DHRUV	120020006
Samir Kapoor	Dinanath and Gayatri Nath,	No suitable candidate found	Two scholarships will be given in 15-16 (for last & current academics yr)
Niraj Shah	Chamanlal and Labhkunwar Kothary	ABHIJITH DIMITROV	130020012
Deepak Sabnis	Prov MV Hariharan	SUDHIR KUMAR	13D070036
Dady Dadyburjor	Soonu Dadyburjor	ABHIJITH DIMITROV	130020012
Rajesh Rajaraman	N. S. Rajaraman	YOGESH GHANSHYAM PASARI	110010005
Uday Patil	Vijaya Patil	GURPREET SINGH HORA	120040014
Bhalchander Vishwanath	Meenakshi Vishwanathnan	SUDHANSHU SINGH	110110016

Name of the Donor	Name of the Scholarship	Name of student	Roll.No
Narendra Joshi	Digamber and Nilima Joshi	No suitable candidate found	Soon the scholarship will be converted in an award to be given out on Convocation every year
Narendra Joshi	Prabhakar and Prathibha Mulekar	No suitable candidate found	Soon the scholarship will be converted in an award to be given out on Convocation every year
Vinod Menon	Dr. P Remadevi Menon	AVANI TANNA	12D070001
Anonymous	Anonymous	MEET UDESHI	14D070007
Anonymous	Anonymous	ARCHIT NARANIWAL	110040056
Anil kumar	Virendra Kumar Scholarship	SHUBHENDRA VIKRAM SINGH CHAUHAN	110010013
Brijesh Agarwal	Radha Rani Agarwal Scholarship	SHUBHENDRA VIKRAM SINGH CHAUHAN	110010013
Subodh Ghonge	Anonymous	UTSAV GOYAL	12D260009
Subodh Ghonge	Anonymous	HIRAY SHRUTI SHIVRAM	14D070016
IITBHF	IITBHF Scholarship	RISHABH CHOURASIA	120010013
Abhay Talsania	Abhay Himatlal Talsania Scholarship	GAURAV KUMAR	110010039
Narendra Joshi	Narendra Joshi Scholarship	GAURAV KUMAR	110010039
Balakrishnan Subramanian	P K Seshambal Scholarship	SHOBHIT GUPTA	120260025
Microsoft alums	Alumni at Microsoft Scholarship	MUDIT BOTHRA	140100002

Name of the Donor	Name of the Scholarship	Name of student	Roll.No
Microsoft alums	Alumni at Microsoft Scholarship	MUDIT BOTHRA	140100002
Microsoft alums	Alumni at Microsoft Scholarship	ASHWINI JAIN	110040023
Dilip Limaye	PG scholarship Dilip Limaye	KASLIWAL SIDDHI MANOJ	13D170026
Raj pendse	Mrs. Jyotsna Pendse Scholarship	SUYASH JAIN	110110026
Girish Kamath	M. Radhakrishna Kamath Scholarship	AVANI TANNA	12D070001
Anonymous	Anonymous scholarship	UTSAV GOYAL	12D260009
Anonymous	Anonymous scholarship	ABHISHEK YADAV	11D170022
Kirit Bhansali	Justin Bhansali Memorial Scholarship	HEMIL DHRUV	120020006
Narendra Joshi	Shubhada Mulekar Joshi Scholarship	No suitable candidate found	Soon the scholarship will be converted in an award to be given out on Convocation every year
Rajesh Rajaraman	S Ramamritam Scholarship	HIRAY SHRUTI SHIVRAM	14D070016
Balaji Srinivasan	Lakshmi & Kadayam Srinivasan scholarship	THAKKAR RITU AJAY	130020017
Radhika Rajan	Mrs Amrutha Iyengar Scholarship	No suitable candidate found	Have requested the donor to either change the criteria or to convert the scholarship in an award
Mr. Pradeep Anand	T. R.S. Anand & Bhanumati Anand Scholarship	No suitable candidate found	Two scholarships will be given in 15-16 (for last & current academics yr)
Raj Mashruwala	Miss A. J. Majmundar	No suitable candidate found	Two scholarships will be given in 15-16 (for last & current academics yr)

Name of the Donor	Name of the Scholarship	Name of student	Roll.No
Mr. Ravi Apte	Dr. Vijaya Apte Memorial Scholarship	No suitable candidate found	Two scholarships will be given in 15-16 (for last & current academics yr)
Ravi Apte	Dr. G.V. Bakore Memorial Scholarship	No suitable candidate found	Two scholarships will be given in 15-16 (for last & current academics yr)
Raman Rao	Shri Raman K. Rao Scholarship	No suitable candidate found	
IITBHF	IIT Bombay HF Scholarship	ABHIJITH DIMITROV	130020012
Anonymous	The Electrical Engg Dept Scholarship-1	MEET UDESHI	14D070007
Narendra Joshi	Aditya Joshi Scholarship	ARVIND JANGID	11D020019
Narendra Joshi	Convert existing UG Scholarship in HSS to PG Scholarship	No suitable candidate found	Soon the scholarship will be converted in an award to be given out on Convocation every year
Narendra Joshi	Convert Existing UG Scholarship in HSS to PG Scholarship	No suitable candidate found	Soon the scholarship will be converted in an award to be given out on Convocation every year
Anonymous	Electrical Engineering Department Scholarship	SHETTY PRIYESH YADAV	110070006
Victor Menezes	Menezes Scholarship	AVANI TANNA	12D070001
IITBHF	IITBHF Scholarship	PASAD ANKITA JITESH	12D070021
Kumar Shah	Kumar Shah Scholarship -1	GUJJULA CHANUKYA VARDHAN REDDY	140050043

Name of the Donor	Name of the Scholarship	Name of student	Roll.No
Kumar Shah	Kumar Shah Scholarship -2	HASEEN SIDDIQUI	110020065
Sandeep Vijayakar	Mr Mukund Vijayakar Scholarship	MUDIT BOTHRA	140100002
Girish Kamath	The Electrical Engg Dept Scholarship-2	MANMOHAN RAJENDRA M	120070004
Rajiv Kundalkar	Shankar Ganesh Kundalkar Scholarship-1	No suitable candidate found	Two scholarships will be given in 15-16 (for last & current academics year)
Rajiv Kundalkar	Shankar Ganesh Kundalkar Scholarship-2	No suitable candidate found	Two scholarships will be given in 15-16 (for last & current academics year)
Deepak Kotwal	Deepak Kotwal 1970 batch scholarship	SHREYANS KUMAT	11D100024
1970 batch	1970 Batch legacy Project Scholarship - 1	MUDIT BOTHRA	140100002
1970 batch	1970 Batch legacy Project Scholarship - 2	BHAT NINAD MANJUNATH	14D110006
IITBHF	IITBHF Scholarship	HEMIL DHRUV	120020006
IITBHF	IITBHF Scholarship	DEEKSHA SINGHAL	120020066
IIT Bombay	IITB Alumni at Microsoft Scholalrship	MOHIT KUMAR JAIN	110020080
IIT Bombay	IITBHF sponsored new scholarship	RISHABH CHOURASIA	120010013
Sandeep Vijayakar	Mukund Vijayakar Scholarship	SAGAR JHA	110100024

Name of the Donor	Name of the Scholarship	Name of student	Roll.No
IIT Bombay	Mukund Vijayakar Scholarship	BHAT NINAD MANJUNATH	14D110006
Narendra Joshi	Digamber & Nilima Joshi Scholarship	No suitable candidate found	Soon the scholarship will be converted in an award to be given out on Convocation every year
Shrimati Indumati Bakore	Ravi & Asha Apte Scholarship	No suitable candidate found	Two scholarships will be given in 15-16 (for last & current academics yr)
Anonymous	Anonymous scholarship	JHA VIKAS NARENDRA	11D070024
Balaji Srinivasan	Balaji and Preethi Srinivasan Scholarship	KUNTLA NACHIKET VIVEK	110020014
Surendra K. Gupta	Surendra Gupta Legacy Scholarship	THAKKAR RITU AJAY	130020017
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	ISHITA RAJ SINGH	120020063
Naredra Joshi	Prabhakar & Pratibha Mulekar Scholarship	No suitable candidate found	Soon the scholarship will be converted in an award to be given out on Convocation every year
WorldQuant Foundation	World Quantitative and Science Scholarships	POONIWALA GAURAV	110070005
WorldQuant Foundation	World Quantitative and Science Scholarships	SHUBHAM CHANDAK	120070028
WorldQuant Foundation	World Quantitative and Science Scholarships	S VIGNESH	100010009
WorldQuant Foundation	World Quantitative and Science Scholarships	AYUSH KANODIA	110050049
WorldQuant Foundation	World Quantitative and Science Scholarships	PRATEESH GOYAL & BIJOY SINGH	120050013&120050087

Name of the Donor	Name of the Scholarship	Name of student	Roll.No
		KOCHAR	
Greater New York Chapter	Greater New York Chapter Alumni Scholarship	SHUBHENDRA VIKRAM SINGH CHAUHAN	110010013
Greater New York Chapter	Greater New York Chapter Alumni Scholarship	GAURAV KUMAR	110010039
Greater New York Chapter	Greater New York Chapter Alumni Scholarship	SAURABH GOEL	110010027
Greater New York Chapter	Greater New York Chapter Alumni Scholarship	PRABHAKAR	110110051
Avi Nash (GNY Chapter)	Greater New York Chapter Alumni - The Indira Foundation Scholarship	MOHIT KUMAR JAIN	110020080
Mr. Mayur Datar and Ms. Gauri Shah	Sitabai Datar Scholarship	HIRAY SUSHANT SHIVRAM	110050009
Sud Yeleswarapu	Dr. Y. Srinivasa Rao Memorial Scholarship	ISHITA RAJ SINGH	120020063
Anil Diwan	Shree Ratnakar Harihar Diwan Memorial Scholarships	ARCHIT NARANIWAL	110040056
Anil Diwan	Shreemati Manik Ratnakar Diwan Memorial Scholarship	HIRAY SHRUTI SHIVRAM	14D070016
Ruyintan Mehta	Ruyintan & Monica Mehta Scholarship	YOGRAJ SINGH MANDLOI	130010034
Ruyintan Mehta	Ruyintan & Monica Mehta Scholarship	MANALI PURUSHOTTAM WAGHMARE	130020031
Anand Garde	Prof. Madhav Garde memorial Scholarship	PURUSHOTTAM	120010016
Sandeep Vijayakar	Lata Vijayakar Scholarship	PRABHAKAR	110110051
Sandeep Vijayakar	Lata Vijayakar Scholarship	PRABHAKAR	110110051
Victor Menezes	Menezes Foundation Scholarship	PASAD ANKITA JITESH	12D070021
Victor Menezes	Menezes Foundation Scholarship	HIRAY SHRUTI SHIVRAM	14D070016
IITBHF	IITBHF Scholarship	SUYASH KUMAR VERMA	14D260009
IITBHF	IITBHF Scholarship	YOGESH GHANSHYAM PASARI	110010005

Name of the Donor	Name of the Scholarship	Name of student	Roll.No
IITBHF	IITBHF Scholarship	SUDHANSHU SINGH	110110016
IITBHF	IITBHF Scholarship	SHREYANS KUMAT	11D100024
IITBHF	IITBHF Scholarship	RUCHI AGRAWAL	120010023
IITBHF	IITBHF Scholarship	NAJMI HAMZA ISMAIL	120040003
IITBHF	IITBHF Scholarship	MADDILA RISHINDRA KUMAR	120110055
Mr. and Mrs. P.B. Shah	Sharda B. Shah scholarship	HIMANSHU JAISWAL	110100056
Prafulla Nabar	Nalini G. Nabar scholarship	No suitable candidate found	Two scholarships will be given in 15-16 (for last & current academics yr)
Yogen Dalal	Dalal Scholarship	No suitable candidate found	Two scholarships will be given in 15-16 (for last & current academics yr)
Pratap Srivastava	Anita Srivastava scholarship	NAZHAR HUSSAIN	130110061
Girish Desai	Girish & Datta Shah scholarship	RAVURU LOHITH	140050041
Greater New York Chapter	Greater New York Chapter Alumni Scholarship	MUDIT BOTHRA	140100002
Greater New York Chapter	Greater New York Chapter Alumni Scholarship	Only mess expenses to be covered	No suitable candidate found
Greater New York Chapter	Greater New York Chapter Alumni Scholarship	KASLIWAL SIDDHI MANOJ	13D170026
Rajendra & Pallavi Shah	Lalita Shah Scholarship	KASLIWAL SIDDHI MANOJ	13D170026
Anand Garde	Educator Malati Garde Scholarship	BHAT NINAD MANJUNATH	14D110006
Niraj Shah	Shah& Kothary Family Scholarship		No suitable candidate found
Kirit Bhansal	Kirit Bhansali scholarship	BHAT NINAD MANJUNATH	14D110006

Name of the Donor	Name of the Scholarship	Name of student	Roll.No
Sud Yeleswarapu	Dr. Y. Srinivasa Rao Memorial Scholarship	RISHABH CHOURASIA	120010013
Rajinder Singh	Shri. Harcharan Singh Minhas Scholarship	KASLIWAL SIDDHI MANOJ	13D170026
Ruyintan Mehta	Ruyintan & Monica Mehta Scholarship	No suitable candidate found	Two scholarships will be given in 15-16(for last & current academics yr)
Ruyintan Mehta	Ruyintan & Monica Mehta Scholarship	No suitable candidate found	Two scholarships will be given in 15-16 (for last & current academics yr)
Suhas Pai	Laxmi Pai Scholarship	PRATIBHA OJWANI	120010018
Suhas Pai	Anant Pai Scholarship	MALOTH THIRUPATHI	110010054
IITBHF	IITBHF Scholarship	SATYAM NYATI	140100067
IITBHF	IITBHF Scholarship	PATEL FENIL PRAMODBHAI	140020006
IITBHF	IITBHF Scholarship	JAIN SHRENIK SANJAY	140110045
IITBHF	IITBHF Scholarship	VUPPULA MANITEJA REDDY	140050079
IITBHF	IITBHF Scholarship	PRANJAL AMULE	13D100036
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 Bothara	140100094
The DS Foundation	Desai Sethi Family Scholarship	Rachamadugu V Nikhita	140100102
The DS Foundation	Desai Sethi Family Scholarship	Kanchan Khetan	140020091
Atul Athalye	Prof. S. L. Narayanamurthy Scholarship	Ms. Sukanya Patil	110100025

Name of the Donor	Name of the Scholarship	Name of student	Roll.No
Atul Athalye	Prof. S. L. Narayanamurthy Scholarship	Ms. Shivanjali Yadav	110110034
Chris Farias	Gratian Farias, Flight Engineer, Memorial Scholarship	BHAT NINAD MANJUNATH	14D110006
Ashok Kulkarni	Ashok Vasant Kulkarni Scholarship	SACHIN GARG	110040025
Kumar Vishwanathn	Smt. Santhi Krishnan Memorial Scholarship	RAHUL K AGRAWAL	110040031
Mokshay Madiman	Mangesh V. Madiman Scholarship	RAHUL K AGRAWAL	110040031
Riz Mithani	Riz Mithani Scholarship	THAKKAR RITU AJAY	130020017
Sanjay Agrawal	Agrawal Low Latency Messaging Scholarship	DEDHIA CHARMI JAGDISH	130070007
Anonymous	Prof. N.B. Ballal scholarship	MOHINI CHOUDHARY	11D110034
P.B. Shah	Shardaben B. Shah Scholarship	HIMANSHU JAISWAL	110100056
P.B. Shah	Babubhai J. Shah Scholarship	GAIKWAD ANIKET SAYAJIRAO	110100029
IIT UK AA	IIT UK Scholarship	MEET UDESHI	14D070007

Following is the list of Scholarships given in the year 2013-2014 for Rs 50,000/- each to 54 students amounting to Rs 27,00,000/- which were accounted in the financial year 2014-15.Also, mentioned under Student Development Fund.

SR. NO.	NAME OF STUDENT	ROLL NO.
1	MANDHANE AMOL BALKISHAN	100020006
2	SHRUTI MITTAL	100020070
3	BAJRANG	100020031
4	MOMIN RAHUL EAJAZ	100040007
5	SAUBHAGYA SINGH RATHOD	100040016
6	AJAY BHATT	100040021
7	LAKHAN SUCHDEV	100040052
8	ARCHIT NARANIWAL	100040056
9	SHASHANK SHEKHAR RAI	100040059
10	SAURAV JAIN	100040070
11	ANJANI KUMAR MAURYA	100040086
12	PIYUSH KHANDELKAR	100040087
13	BALAGA HEMANT KUMAR	100040094
14	MOHAMMED ABDUL RAWOOF SHAIK	100040107

15	SACHIN KUMAR	100040115
16	PULKIT BANSAL	100050045
17	PRAJWAL A N	100050085
18	VIKASH HARITWAL	100070009
19	KUMAR GOUTAM	100070023
20	GOPALAM B V JYOTHI SWAROOP	100070058
21	GATKINE PRADIP RUPKUMAR	100100023
22	ADITYA CHOUDHARI	100100034
23	SHREERANG DHAWEDKAR	100100048
24	GANGULA ABHINAV	100100075
25	MANA MANOJ KUMAR	100100090
26	MOGRE SAURABH SANJAY	100110007
27	ATUL KUMAR AGARWAL	100110042
28	CHITANYA KUMAR GUPTA	10D020018
29	OSTWAL VAIBHAV RAMAN	10D070020
30	KHARADE KHUSHAL SUDHAKAR	10D070023
31	MANISH KUMAR SWAMI	10D070041
32	RAUT PRASANNA DEEPAKRAO	10D100017
33	NISHIKANT AGARWAL	10D100032
34	SANDITI HEMANT KHANDELKAR	10D110026
35	KARTIKAY AGARWAL	10D110030
36	ADARSH RATHI	10D110045
37	KOLHE TEJES PRADIP	10D170010
38	CHAUDHARI RUPESH PUNDLIK	10D260005
39	VENKUSH KHEDE	100040066
40	ANKIT CHOUKSEY	110010031
41	LOVE PRINCE SAINI	110040035
42	PRAMOD BHAKHAR	110040040
43	DHIRAJ KUMAR SITTU	110040093
44	HIMANSHU SOLANKI	110040077
45	MOHD SAMRAH	110040091
46	AJINKYA NANDAKISHOR DURAGKAR	110100022
47	HIMANSHU JAISWAL	110100056
48	KANIKA GOYAL	10D110020
49	ADITYA SHANKAR	11D070003
50	TUSHAR MAMODIA	11D110015
51	ATUL YADAV	11D110044
52	SINGH ANANDKUNAR V	10D070016
53	AKSHAT JAIN	110020025
54	ABHIDEEP SAHU	110040079

K.2. Funded Fellowship Details

K.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
Sir Dorabji Tata Trust	Tata Centre Fellowship	Vishal Bhushan Jha	
Sir Dorabji Tata Trust	Tata Centre Fellowship	Tapan Kumar	146250011
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
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

K.2.2 Advinus Therapeutics Ltd Fellowships - These fellowships were not awarded to any student in the year 2014-15

K.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

K.3. Awards and Prizes given out duration Convocation

Sr. No.	Name Of Student	Name Of Award
1	Shovan Maity	Ajit Shelat Award

Sr. No.	Name Of Student	Name Of Award
2	Meghana Sreenivasan Shinibali Bhattacharyya Nilaj Chakrabarty	Bhavesh Gandhi Memorial Prize
3	Raaz Dwivedi	Dilip R Limaye Academic Excellence Award
4	Anima Mahanta	Shri R Vembu Iyer MemorialPrize
5	Hinge Vijaya Kumar	Dr.GargiVishnoi Memorial Prize
6	PRAJWAL.K.A	S C Mehrotra Prize
7	KARAN GUPTA	S C Mehrotra Prize
8	PRATIK SHARAD	S C Mehrotra Prize
9	DEOGEKAR	S C Mehrotra Prize
10	Vibhore Jain	Indira Manudhane B.Tech. Excellence Award
11	Singh Namrata AC	Manjula Bagmal Parikh Memorial Prize
12	Vipul Singh	Manjula Bagmal Parikh Memorial Prize
13	Raaz Dwivedi	Manjula Bagmal Parikh Memorial Prize
14	Mehta Malhar Saurabh	Manjula Bagmal Parikh Memorial Prize
15	KRITI GOEL	Mrs. Rama Mathur Memorial Prize
16	Anima Mahanta	Shri R Vembu Iyer MemorialPrize
17	Ishita Dasgupta	Prof. R.P. Singh Memorial Prize
18	Pradeep Vaijanath Biradar	Tulsiram Devidayal, P.M. Natu, Damle Trust Prize
19	Raaz Dwivedi	Prof K C Mukherjee Award
20	Ashesh Ghosh	Prof. A.B. Biswas Memorial Prize & Shri Prakash Krishnan Award
21	Ashesh Ghosh Pritha Verma	Prof. Hiralal Memorial Award
22	Srinivasan N. R.	Prof. Kartic Khilar Prize for Excellence in Research at the Doctoral Level
23	Uma K Shankar	Prof. Kartic Khilar Prize for Excellence in Research at the Masters Level
24	Dibyo Ghosh	Prof. M.N. Gopalan Prize

Sr. No.	Name Of Student	Name Of Award
25	Daisy Dahiya Chandan Pal	Prof. Prabhulal Bhatnagar Memorial Prize for Ph.D. in Mathematics
26	Shanu Jain	R G Manudhane M.Tech. Student Excellence Award
27	Priya Gambhire	R G Manudhane Ph.D. Student Excellence Award
28	KAMAT UGAM ALIAS VASSUDEO PRADEEP	Prof. A.K. Mallik Award
29	Pradeep Vaijanath Biradar	Shri Ashok Chaturvedi Memorial Prize
30	M SAI SUMANTH PORANDLA PRUDVI Tejas Naphade	Akshay Dhoke Memorial Award
31	RANA RANVIR BHARATSINH	Aditya Choubey Memorial Prize
32	KARTIK VERMA	Prof. M.N. Vartak Memorial Prize
33	BAVINENI ESWAR RANA RANVIR BHARATSINH SHUBHAM CHANDAK POONIWALA GAURAV TRIVESHKUMAR	Urvish Medh Memorial Prize
34	KULKARNI CHINMAY SAMEER	Shri T.K. Subramanian Prize
35	POONIWALA GAURAV TRIVESHKUMAR	Shri Rakesh Mathur Excellence Award
36	Mehta Kunal Sunil	Mr. Pranab Ranjan Sen Award

K.4. Dr P V Sukhatame PrizeDetails

Sr .No	Name of the Student	Roll No
1	Prof Rajendra Bhatia	
2	Kriti Goel	135090003
3	Tania Saha	135090027
4	Kartik Verma	135280002
5	Mugdha Dutta	135280023

K.5. List of Named/Institute Chair Professors in the Institute

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
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	12.01.2015

Sr No	Name	Department	Name of the Chair	Effective from
			Professor	
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
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

Sr No	Name	Department	Name of the Chair	Effective from
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	Expected Joining in July 2015
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

Sr No	Name	Department	Name of the Chair	Effective from
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
58	Prof. Suhas Joshi	Mechanical Engg.	Rahul Bajaj Chair	12.06.2014
59	Prof. D. Parthadarathy	Humanities & Social Sciences	India Value Fund Chair	02.09.2014
60	Vacant	SJMSOM	MHRD IPR Chair	
61	Vacant	SJMSOM	Shailesh Mehta Chair	
62	Prof. Rinti Banerjee		Madhuri Sinha Chair	11.02.2015
63	Vacant		L & T Chair	

K.6. List of Young Faculty Awardees

Sr No	Name Of Faculty	Department	Amount Disbursed
1	Prof. Sushil Mishra	Mechanical Engg.	1,00,000
2	Prof. Amit Kumar Das	Civil Engg.	1,00,000
3	Prof. Voleti V. Kavitha	IE & OR	1,00,000
4	Prof. Bhaskaran Muralidharan	Elec. Engg.	1,00,000
5	Prof. Ambarish Kunwar	Bio.Sci & Bio	1,00,000
6	Prof. Rajneesh Bhardwaj	Mech. Engg.	1,00,000

Sr No	Name Of Faculty	Department	Amount Disbursed
7	Prof. Parag Tandaiya	Mech.	1,00,000
8	Prof. Ashutosh Mahajan	IE. & OR	1,00,000
9	Prof. Prachi Mahajan	Mathematics	1,00,000
10	Prof. Jyoti Seth	Chemical	1,00,000
11	Prof. Rakesh G. Mote	Mech. Engg.	1,00,000
12	Prof. Debasattam Pal	Elect. Engg.	1,00,000
13	Prof. Ratheesh Radhakrishnan	HSS	1,00,000
14	Prof. Arghadeep Laskar	Civil Engg.	1,00,000
15	Prof. Raaj Ramsankaran	Civil Engineering	1,00,000
16	Prof. Sankara Tatipati	Energy Science & Engineering	1,00,000
17	Prof. Yogendra Shastri	Chemical Engineering	1,00,000
18	Prof. S. Akshay	Computer Science & Engg.	1,00,000
19	Prof. Manasa R. Behera	Civil Engineering	1,00,000
20	Prof. Sandip Kar	Chemistry	1,00,000
21	Prof. Munish Kumar Chandel	CESE	1,00,000
22	Prof. Jayakrishnan Nair	Elect. Engg.	1,00,000
23	Prof. Subramaniam C. Mouli	Chemistry Dept.	1,00,000
24	Prof. Santiram Chatterjee	Civil Engg.	1,00,000
25	Prof. Titas Dasgupta	MEMS	1,00,000
26	Prof. Mukta Tripathy	Chemical Engineering	1,00,000
27	Prof. Suddhasatta Mahapatra	Physics	1,00,000
28	Prof. Mythili Vutukuru	Computer Science & Engg.	1,00,000
29	Prof. Mithun Kr. Mitra	Physics	1,00,000
30	Prof. Rama Pal	Humanities & Social Sciences	1,00,000
31	Prof. Surpeet Saini	Chemical Engineering	1,00,000
32	Prof. Partha Goswami	Chemical Engineering	1,00,000
33	Prof. Amitabh Bhattachraya	Mechanical Engineering	1,00,000

Sr No	Name Of Faculty	Department	Amount Disbursed
34	Prof. Ateeque Malani	Chemical Engineering	1,00,000
35	Prof. Suyash P. Awate	Computer Science & Engg.	2,00,000
36	Prof. Rekha Santhanam	Mathematics	1,00,000
37	Prof. Radhendustha Srivastava	Mathematics	1,00,000
38	Prof. S. Gopalakrishnan	Mechanical Engineering	1,00,000
39	Prof. Venkat Gundabala	Chemical Engineering	1,00,000
40	Prof. Ajit Rajwade	Computer Science & Engg.	1,00,000
41	Prof. P. Kumaresan	IDC	1,00,000
42	Prof. Anirban Banerjee	Bio. Sci. & Bio. Engg.	1,00,000
43	Prof. Koushik Saha	Mathematics	1,00,000
44	Prof. Himanshu J. Bahirat	Electrical Engineering	1,00,000
45	Prof. Aftab Alam	Physics	1,00,000
46	Prof. Kumar Appaiah	Electrical Engineering	1,00,000
47	Prof. Chandra Mouleeswara Rao Volla	Chemistry	1,00,000
48	Prof. Dinesh Kabra	Physics	1,00,000
49	Prof. Sridhar Balasubramanian	Mechanical Engineering	1,00,000
50	Prof. Conan Mukerjee	Humanities & Social Sciences	1,00,000
51	Prof. Venkatasailanathan Ramadesigan	Energy Science & Engineering	1,00,000
52	Prof. MJNV Prasad	Metallurgical Engg. & Mat.Sc.	1,00,000
53	Prof. Sandip Kumar Saha	Mechanical Engineering	1,00,000
54	Prof. Anupama Kowli	Electrical Engineering	1,00,000
55	Prof. Harish C. Phuleria	CESE	1,00,000
56	Prof. Tara S. Shaw	Humanities & Social Sciences	1,00,000
57	Prof. Girish V. Dalvi	IDC	1,00,000
58	Prof. Rahul Purwar	Biosciences & Bioengineering	1,00,000
59	Prof. Seethamraju Srinivas	ESE	1,00,000
60	Prof. Ritesh Gautam	CSRE	1,00,000

Sr No	Name Of Faculty	Department	Amount Disbursed
61	Prof. Dayadeep S. Monder	ESE	1,00,000
62	Prof. Gulab Sinhg	CSRE	1,00,000
63	Prof. Bipin Rajendran	Electrical Engineering	1,00,000
64	Prof. Tanmay Bhandakkar	Mechanical Engineering	1,00,000
65	Prof. Somnath Basu	Metallurgical Engg. & Mat. Sc.	1,00,000
66	Prof. Niranjan Balachandran	Mathematics	1,00,000
67	Prof. Amartya Mukhopadhyay	Metallurgical Engg. & Mat.Sc.	1,00,000
68	Prof. Ratul Dasgupta	Chemical Engg. Dept.	1,00,000
69	Prof. Sukumar Srikant	Systems & Contro Engg.	1,00,000
70	Prof. Aparna Singh	MEMS	1,00,000
71	Prof. T T NIRANJAN	SOM	1,00,000
72	Prof. Dipti Gupta	Metallurgical Engg. & Mat.Sc.	1,00,000
73	Prof. Sadhana Dash	Physics	1,00,000
74	Prof. Ashutosh Trivedi	Computer Science & Engg.	1,00,000
75	Prof. Monika Jain	C-USE	1,00,000
76	Prof. Ashish Singh	SJM School of Management	1,00,000
77	Prof. Gaurav Kasbekar	Electrical Engineering	1,00,000
78	Prof. Shobha Shukla	MEMS	1,00,000
79	Prof. Apurba Laha	Elec. Engg.	1,00,000
80	Prof. Amit Arora	CTARA	1,00,000
81	Prof. Sumit Saxena	MEMS	1,00,000
82	Prof. Aniruddha Sinha	Aerospace Engineering	1,00,000
83	Prof. Jayadipta Ghosh	Civil Engg.	1,00,000
84	Prof. Neeraj R. Kumbhakarna	Mech. Engg.	1,00,000
85	Prof. Abhijit Majumder	Chemical Engg. Dept.	1,00,000
86	Prof. Shyamprasad Karagadde	Mech. Engg.	1,00,000
87	Prof. Arnab Jana	C-USE	1,00,000

Sr No	Name Of Faculty	Department	Amount Disbursed
88	Prof. Kumar Rao	Chemical Engineering	1,00,000
89	Prof. Bharath C. Shekar	Earth Sciences	1,00,000
90	Prof. Abhijit Chatterjee	Chemical Engg. Dept.	1,00,000
91	Prof. Prabhakar Naraga	Earth Sciences	1,00,000
92	Prof. Dharamveer Singh	Civil Engineering	1,00,000
93	Prof. Avijit Maji	Civil Engineering	1,00,000
94	Prof. Ronita Bardhan	Centre for Urban Science & Engineering	1,00,000
95	Prof. Ankur Kulkarni	Computer	1,00,000
96	Prof. Rajarshi Chakrabarti	Chemistry	1,00,000
97	Prof. Nagendra Rao Velaga	Civil Engineering	1,00,000
98	Prof. Ananthnarayan Hariharan	Mathematics	1,00,000
99	Prof. Nikhil Karamchandani	Elect. Engg.	1,00,000
100	Prof.Venkata Delhi	Civil Engg.	1,00,000
		Total	1,00,00,000

K.7. Distinguished Alumnus Awards (2015)

Prof. Srinivasan Raghunathan

M.Tech., 1966 and Ph.D., 1970, Mechanical Engineering

Prof. Srinivasan Raghunathan is an Emeritus Professor of Aeronautical Engineering at the School of Mechanical Aerospace Engineering, Queens University of Belfast, UK. During 1995-2005 he served as the Head of the School of Aeronautical Engineering and led the school to the research rating of 5 in the national Research Assessment Exercise. He was actively involved in the central equality scheme, Queen's Gender initiative and the introduction of the single spine salary scale. In addition to this, he was the President of the Queens University Employees Club for over a period of 10 years.

During last 40 years, Prof. Raghunathan has conducted fundamental research in aerodynamics, from low speed to hypersonics and applied research in wave energy conversion, aircraft engine nacelle aerodynamics, missile aerodynamics and integrated aircraft technologies. His research on passive flow control of buffet due to transonic shock
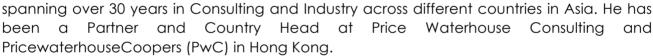
oscillations on airfoils has led to a patent with the UK MOD. The original aerodynamic design of the self-starting and high solidity Wells turbine is used for wave power generation worldwide. His applied research on Aircraft Nacelles led to strategic partnership and the establishment of Bombardier Airspace-Royal Academic chair with rolling research grants, Academia-Industry partnerships with several industries and a number of prestigious awards. He has been an advisor to the UK research initiative with India and Commonwealth fellowship and DTI programmes.

Prof. Raghunathan is a Fellow RaeS (FRAeS); an honorary member of the American-Romania Science academy; a recipient of Visiting Fellowships of the Japanese Promotion of Science; Royal Society-Indian Science Academy and Hertz Foundation Fellowship and the Northern Ireland Industrial Federation trophy, twice. He has received the prestigious Royal Society - ESSO Gold Medal for his concept to build the first wave energy plant in the world in Islay (1994); the Royal Aeronautical Society Silver medal for work of an exceptional nature leading to major advances or significant contributions in aerospace. He has received OBE (2007) by Her Majesty the Queen for his contribution to education and aerospace research.

Prof. Ajit Pandurang Rangnekar

B.Tech., 1968, Chemical Engineering

Prof. Ajit Pandurang Rangnekar is the Dean of the Indian School of Business (ISB), Hyderabad. Prof. Rangnekar has an impressive career spanning over 30 years in Consulting and Industry across different countries in Asia. He has been a Partner and Country Head at Price Waterhouse Consulting and PricewaterhouseCoopers (PwC) in Hong Kong.

Prior to his appointment as the Dean in January 2009, he was the Deputy Dean of the ISB. His contributions in helping build a world class business school in India is his way of giving back to the society. He is also credited for building a national level cement distribution model, for the first time in India.

After graduating from IIT Bombay in Chemical Engineering in 1968, Prof. Rangnekar received his Postgraduate Diploma in Business Administration from the Indian Institute of Management, Ahmedabad and started his career with Associated Cements Companies in Mumbai. He then moved to Hong Kong to work with Kishanchand Chellaram Limited and served at various capacities within the organization.

Prof. Rangnekar is a member of the Blue Ribbon Committee of the Association to Advance Collegiate Schools of Business (AACSB). He is also a member on Board of Directors of the Graduate Management Admission Council (GMAC); National Mission Authority on Rashtriya Ucchchatar Shiksha Abhiyan (RUSA); and Governing Body of Hyderabad Eye Research Foundation, L.V. Prasad Eye Institute. He also serves as a management expert on the Appointments Board of the Ministry of Finance; an Independent Director, CEC, SEBI; a Vice Chancellor's Circle of Advisors for India – University of Cambridge; and as a Director, Board of L&T Metro Rail Hyderabad Ltd.

Prof. Rangnekar is a sports enthusiast and enjoys watching and playing cricket, tennis and table tennis. His other passions are reading and music.

Prof. Ramakrishna Vijayacharya Hosur

M.Sc., 1973, Chemistry

Prof. Ramakrishna Vijayacharya Hosur is a Senior Professor at the Tata Institute of Fundamental Research (TIFR) in Mumbai. He is also the Director of the University of Mumbai – Department of Atomic Energy Centre for Excellence in Basic Sciences (UM-DAE CBS), which is envisaged to be a role model for Universities to follow for improving higher education in the country.

He has done pioneering work in the broad areas of Biophysical Chemistry, Structural Biology and Nuclear Magnetic Resonance (NMR) spectroscopy. He is internationally recognized for his scientific contributions specifically, development of scaling techniques in multidimensional NMR, discovery of new structural motifs in DNA: A-Tetrad, T-Tetrad, C-Tetrad, development of HNN suite of multidimensional NMR experiments for proteins, development of approaches and algorithms for rapid determination of solution structures of small proteins, sometimes in less than a day, elucidation of complete pathway of equilibrium folding transitions in proteins, and first ever structural characterization of megadalton size protein aggregates by solution state NMR.

Prof. Hosur has also made remarkable contributions in the interdisciplinary area of Structural Biology. His research encompasses development of Multidimensional NMR methods and their applications to investigation of protein structure, folding, self-association, DNA structure and dynamics, all of which have great implications in understanding biological functions.

After completing his M.Sc. In Chemistry from IIT Bombay, Prof. Hosur completed his Ph.D. from TIFR, Mumbai University and undertook his post-doctoral training at ETH-Zurich, Switzerland. Prof. Hosur is recipient of INSA Young Scientist Award (1984); INSA Jagadish Shankar Lecture Award (1989); B.M. Birla Award (1992); INSA R. K. Asundi Memorial Lecture Award (1998); JC Bose National Fellowship of DST (2007); and G. N. Ramachandran Gold Medal of CSIR (2009), among others. To top it all, Prof. Hosur was awarded the 'Padmashri' by the Government of India in 2014.

He has also been an elected President of the Indian Biophysical Society (2003-05), New Biology section of Indian Science Congress (2005) and National Magnetic Resonance Society (2009-11).

Prof. Hosur has published more than 185 papers in journals of international repute and written/edited three books. He is deeply interested in Sanskrit and likes to read original literature by renowned philosophers. Sports, Classical music (singing) and Indian Philosophy are his other areas of interest.

Dr. Vijaya Korwar Gallagher

B.Tech., 1976, Electrical Engineering

Dr. Vijaya Korwar Gallagher works as a Technical Director, Advanced Systems at Space Systems Loral, LLC in Palo Alto, California, United States. She is responsible for developing and managing proposals for commercial satellite operators, worldwide. The range covers geostationary as well as non-geostationary telecommunications satellite. In a career spanning over 30 years, she has held key technical leadership roles in the satellite and wireless communications industry. Her contributions to organizations like Globalstar, Ford Aerospace and Jet Propulsion Laboratory, have been widely appreciated.

Dr. Gallagher, obtained her B.Tech. in Electrical Engineering from IIT Bombay and was awarded the President of India Gold Medal by the Institute. She holds her Ph.D. in Electrical Engineering (1980) from Caltech, Pasadena, California. During 1994-1999, she was one of the small team of early engineers that designed and developed the Globalstar constellation of 48 Low Earth Orbit (LEO) satellites, a pioneering system that provides worldwide, hand held voice and data services in remote areas beyond the reach of terrestrial voice and data technologies. In the early stages of the company, she worked on technical issues relating to coordination of satellite spectrum and interference mitigation for Globalstar, representing the company at various international regulatory and standards bodies including the FCC, International Telecommunications Union (ITU) and the European Telecommunications Standards Institute (ETSI).

From 2002 to 2005, she was the owner of a small company 'Pseudonoise Communications', which won the Small Business Innovation Research (SBIR) award from the Air Force, for developing an advanced satellite modem for high speed data communications over satellite.

Later, between 2007-2011 she was the Satellite Systems Director for the second generation of Globalstar satellites, built by Thales Alenia Space of France. In 2010-2011, her responsibilities took her to Baikonur, Kazakhstan for the first two launches of six satellites each, using the Russian Soyuz launch vehicle. Two additional launches of six satellites brought the total to 24 successfully launched satellites that today provide mobile satellite services worldwide. Dr. Gallagher is the co-inventor of over 20 patents in satellite communications.

Her hobbies include hiking, biking, reading and watching the American Football season.

Prof. Gautam Barua

B.Tech., 1976, and M.Tech., 1978, Electrical Engineering

Prof. Gautam Barua is a professor and former Director of Indian Institute of Technology (IIT) Guwahati. He is also a Mentor Director of Indian

Institute of Information Technology (IIIT), Guwahati. Prof. Barua was involved in the establishment of IIT Guwahati since 1995 and took the Institute to newer heights during his tenure as the Director of the Institute from 2003-13. Prof. Barua obtained his B.Tech. and M.Tech. in Electrical Engineering from IIT Bombay, in 1976 and 1978 respectively. He did his Ph.D. in 1981 from the Department of Electrical and Computer Engineering, University of California, Santa Barbara. Prof. Barua has been a faculty member at IIT Kanpur and IIT Guwahati for 32 years. He works in the areas of Operating Systems and Networks. He was involved in the establishment of the Department of Computer Science and Engineering at IIT Kanpur and has also been involved in the modernization of its Computer Centre, including setting up of the first LAN in the Campus. Since 2014 he has been involved in establishing IIIT, Guwahati.

Prof. Barua has more than 50 publications to his credit and has taught more than 15 different courses. He is a member of Computer Society of India, IEEE, ACM and Institution of Engineers. He has also been an IT consultant to several Government organizations and PSUs. He enjoys reading novels, watching sports and exploring the history of different people, places and communities.

Prof. George Varghese

B.Tech, 1981, Electrical Engineering

Prof. George Varghese is a Principal Engineer and Partner at Microsoft Research. He earlier taught at the Washington University from 1993-1999, followed by a stint at the University of California, San Diego from 1999 to 2013. He was moreover, a Distinguished Visitor in the Computer Science Department of Stanford University in 2010-2011. He has also worked for DEC, Yahoo, Cisco and Microsoft. In 2004, he founded NetSift which was acquired by Cisco in 2005. His contributions in developing various network algorithms has fetched him 22 patents in the general field of Network Algorithmics. Several algorithms which he has helped develop over the years, appear in commercial systems including Linux (timing wheels), the Cisco GSR (DRR), and Microsoft Windows (IP lookups). He helped in designing the hardware lookup engine for Procket's 40 Gbps router. He has been on the advisory boards of Memoir, Jibe, Sanera and SwitchOn, and provided consultancy to ST MicroElectronics, AOL and Fujitsu.

Prof. Varghese graduated in Electrical Engineering from IIT Bombay in 1981 and received his Ph.D. from Massachusetts Institute of Technology (MIT) in 1993. He is a recipient of IEEE Kobayashi Award for Computers and Communications and SIGCOMM Lifetime Award in Networking, both in 2014. He has also been a Fellow of the ACM since 2002. His hobbies include reading books on Christian theology and detective stories.

Prof. Ketan Mulmuley

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B.Tech, 1981, Electrical Engineering

Prof. Ketan Mulmuley is a Professor at the Computer Science Department in the University of Chicago. His work on 'geometric complexity theory', an approach to the P versus NP problem through the techniques of algebraic geometry has been widely recognized.

Prof. Mulmuley did his B.Tech. from IIT Bombay and then went on to complete his Ph.D. in Computer Science from Carnegie Mellon University. He is a recipient of Miller Research fellowship at the University of California, Berkeley (1985-1987). He is also the winner of Guggenheim Fellowship for the year 1999-2000.

Prof. Mulmuley takes keen interest in *Dhrupad* in Hindustani Classical music and hiking.

Prof. S. Ramakrishnan

M.Sc., 1982, Chemistry

Prof. S. Ramakrishnan is the Chairman of Division of Chemical Sciences and a Professor at the Department of Inorganic and Physical Chemistry in the Indian Institute of Science (IISc) Bangalore. His career started off with an unusual experience of working in a Corporate Research laboratory as a Postdoctoral Fellow immediately after his Ph.D. in 1988, at the University of Massachusetts, Amhrest, USA, which provided him a unique opportunity to explore science rather independently. It was followed by getting a break as a Lecturer in IISc, where he enjoyed complete freedom and a congenial academic environment that fostered scientific exploration with little facility to start-with and also few expectations. The following years at IISc included regular promotions, accolades and recognition, outstanding students and colleagues, being a part of several national committees and finally, more institutional responsibilities and lesser time for research.
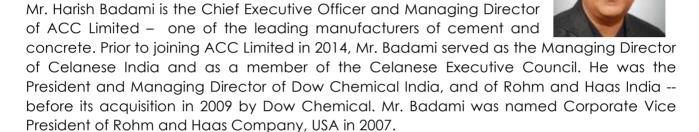
As a researcher, Prof. Ramakrishnan has developed several new strategies for the synthesis of highly branched soluble polymers and provided a fundamental understanding of structure-property correlation of the relatively new class of polymers namely, 'hyperbranched polymers' and strategies to control and examine conformation of synthetic polymers in solution using weak intra-chain inter-segment interactions, such as charge-transfer interactions, metal-ion coordination, solvophobic exclusion etc. Further, immiscibility-driven self-segregation in suitably designed amphiphilic graft copolymers was shown to be an excellent strategy for folding of polymer chains, which in turn led to morphological control in the solid state, thereby providing a bridge to the 'molecular to bulk' organizational transition in polymeric systems. He has moreover, developed novel methods for control of conjugation length in an important class of polymers, namely MEHPPV, and thereby demonstrated tuning of the emission colour from these potentially useful materials that could be used in polymeric LEDs.

Prof. Ramakrishnan was bestowed a Silver Medal by IIT Bombay for his performance in M.Sc. programme, and later went on to receive many prestigious awards like S S Bhatnagar Prize; CRSI Silver Medal; Fellow of the Indian Academy of Sciences; DAE-Outstanding Investigator Award, J C Bose Fellow, Associate Editor, Chemical Communications (RSC); Editorial Board member, Macromolecules, ACS Macro Letters and Polymer Chemistry (RSC), to mention some.

In his spare time he likes reading, listening to music, going for long walks and nature trails.

Mr. Harish Badami

B.Tech, 1985, Chemical Engineering

Mr. Harish Badami is the Chief Executive Officer and Managing Director of ACC Limited – one of the leading manufacturers of cement and concrete. Prior to joining ACC Limited in 2014, Mr. Badami served as the Managing Director of Celanese India and as a member of the Celanese Executive Council. He was the President and Managing Director of Dow Chemical India, and of Rohm and Haas India -- before its acquisition in 2009 by Dow Chemical. Mr. Badami was named Corporate Vice President of Rohm and Haas Company, USA in 2007.

Early in his career, Mr. Badami spent an year in the gases industry with British Oxygen Company, which was followed by six years with ICI India, where he served in the Chemicals, Fertilizer and Catalysts divisions in various commercial and business roles. In 1995, Mr. Badami joined Rohm and Haas in India, and held positions of responsibility in sales and business development, regional procurement and strategic planning. In 2001, he was appointed Country Manager of Rohm and Haas India, and also Area Business Manager overseeing two core businesses of Rohm and Haas - Coatings and Adhesives & Sealants. Mr. Badami was instrumental in leading the highly successful India strategy for the company, which saw investments in state-of-art manufacturing plants at Taloja near Mumbai and in Sriperambudur near Chennai in 2003 and 2007 respectively. Under his leadership, Rohm and Haas achieved rapid growth across several specialty chemical markets. He also led the successful integration of Dow Chemical's and Rohm and Haas' businesses and operating sites in India between 2009 and 2011.

Mr. Badami did his B.Tech. in Chemical Engineering from IIT Bombay in 1985 and then went on to pursue a postgraduate diploma in Management from IIM Calcutta in 1989. He is well known for his leadership skills and has been a part of several industrial bodies and committees such as CII, FICCI and Indian Chemical Council. His hobbies include traveling, listening to music and spending time with his friends.

Prof. Srikanth Sastry

M.Sc., 1986, Physics

Prof. Srikanth Sastry is a Professor at the Jawaharlal Nehru Centre for Advanced Scientific Research (JNCASR), Bengaluru. His research interest lies in the area of statistical mechanics, with a focus on understanding a range of unusual and interesting properties of liquids and other soft condensed matter, addressed with computation as a major tool. His significant research contributions involve the exploration of the energy landscape approach to glass forming liquids, analysis of fragility -- the rapidity of change of dynamics -- of glass formers, length scales relevant to slow relaxation, glass forming ability, jamming, mechanical behavior and memory in amorphous solids, anomalous behavior of water, liquid-liquid phase transition in water and silicon, etc.

Prof. Sastry did his M.Sc. in Physics from IIT Bombay in 1986 and Ph.D. from Boston University in 1993. Soon after his studies, Prof. Sastry joined Department of Chemical Engineering at Princeton University in 1996. In 1998 he was a Visiting Scientist at the National Institute of Standards and Technology/ Arizona State University. He has served as a Faculty Fellow at the JNCASR between 1998-2003 and as an Associate Professor from 2003-2008. He worked as a Professor at the TIFR Centre for Interdisciplinary Sciences in Hyderabad during 2012-2014.

Prof. Sastry has received many awards and accolades including J C Bose National Research Fellowship (2015), Shanti Swarup Bhatnagar Award (2008), Sir C V Raman Young Scientist Award by the Karnataka State Council for Science and Technology (KSCST), Swarnajayanti Fellowship (2003), B. M. Birla Science Prize (2001) and the Prof. C N R Rao Oration Award (2001).

In his free time, Prof. Sastry enjoys reading books on a range of topics, typically literature in English and Kannada. He is extremely fond of music and loves listening to Indian and western classical music and has a keen interest in jazz. Prof. Sastry loves traveling and hiking as much as he enjoys watching theater and other performing arts. He has recently taken to gardening.

Lt. Gen. Dr. Ravindra Singh Panwar

M.Tech.,1988, and Ph.D.,1992, Computer Science & Engineering

Lt. Gen. Dr. Ravindra Singh Panwar is a Commandant at the Military College of Telecommunication Engineering, Mhow and Colonel Commandant of the Corps of Signals. For more than three decades, Lt. Gen. Dr. Panwar has commanded important army units and formations in field as well as peace, dealing with communications, electronic warfare, signal intelligence and logistics. He was also the Head of the Department of Telematics at the MCTE, Mhow for two years, and General Officer Commanding (GOC) 101 Area, the prestigious formation which was the first to enter Dacca (now Dhaka) during the Bangladesh Liberation War of 1971, and which is now responsible for logistic and security related roles in the seven North Eastern states as well as on the Bangladesh Border.

Lt. Gen. Dr. Panwar received his M.Tech. in Computer Science & Engineering in 1988 and Ph.D. in 1992 from IIT Bombay. He did his Master of Management Science from Osmania University and is also a graduate of the National Defence College Course in New Delhi.

A third-generation army man, Lt. Gen. Dr. Panwar was awarded the prestigious 'Vishisht Seva' Medal by the President of India as well as a cash award by the Department of Defence Production, in 1991 for his M.Tech. Project on 'Data Concentrator - operationally critical packet switching equipment', sponsored by the Army for deployment in mobile tactical networks, performed under the guidance of Prof. S. Arunkumar, CSE Department. This resulted in the unique accomplishment of a formal transfer of technology from IIT Bombay to M/s Bharat Electronics and set a perfect example of Academia-Industry partnership. He has been credited with several significant enhancements in army wide area networks aimed towards ushering in a network centric environment in the highly active operational environment in J&K, and was consequently awarded the Sena Medal (Distinguished) by the President of India in 2013.

He has received Ministry of Defence (Defence Production) 40th Anniversary of Independence - Cash Award; Chief of Army Staff and Army Anniversary of Commander's Commendation Cards, and has been awarded Dr. Deepak K. Merchant Memorial Prize by IIT Bombay for the best Ph.D. Dissertation in 1992.

Lt. Gen. Dr. Panwar likes singing, playing musical instrument (Synthesizer), 3D modeling, photo processing, sketching and writing short stories etc. in his spare time. He is also fond of adventure activities like microlight flying, white water rafting and scuba diving.

Dr. Dharmendra S. Modha

B.Tech, 1990, Computer Science & Engineering

Dr. Dharmendra S. Modha is an IBM Fellow and also a Chief Scientist, Brain-inspired computing at IBM. Dr. Modha is a cognitive computing pioneer who envisioned and now leads a highly successful effort to develop brain-inspired computers. The groundbreaking project, SyNAPSE, funded by DARPA to the tune of $53.3M, is multi-disciplinary, spanning over several countries and involving many institutions, and has made a worldwide scientific impact. Its revolutionary non-von Neumann computing architecture and ecosystem break from the prevailing von Neumann paradigm and constitute a foundation for new classes of ultra-low power, compact, real-time, multi-modal sensorimotor information technology systems. Dr. Modha has also made significant contributions to IBM businesses via innovations in caching mechanisms for storage controllers, clustering algorithms for services and coding theory for disk drives. Dr. Modha has primarily been associated with IBM but only few people know that he has also been an entrepreneur for a brief period. In the year 1990-1991 he started a company S.O.L.U.T.I.O.N.S in Mumbai which was an instant success. After his Ph.D., though he joined IBM in 1997 as a research staff member, he left the organization in 2000 to start his own company Treelet, Inc. in Silicon Valley. The company somehow couldn't garner positive feedback and was unsuccessful. Dr. Modha joined IBM back in 2002 and since then there has been no looking back for him. Over the years he has

worked with IBM at various levels and won accolades for his commendable work, from all quarters.

Dr. Modha did his B.Tech. in Computer Science and Engineering in the year 1990 from IIT Bombay and went on to pursue his Ph.D. in Electrical and Computer Engineering, University of California, San Diego, United States. He has been recipient of many awards and honors which include IBM's Outstanding Innovation Award 2004 and IBM's Pat Goldberg Best Paper Award in Computer Science, Electrical Engineering, and Mathematics in 2010; ACM Gordon Bell Prize in 2009; Washington Posts's Best Innovation Moments 2011; EE Times 40th Anniversary – 10 electronics visionaries to watch 2012; and the USENIX Test of Time Award in 2014, to mention prominent ones. He was also a Runner-up for 2014 'Breakthrough of the year' by Science Magazine.

In December 2014, Dr. Modha received a thank you note from the American President Mr. Barack Obama. He has been featured in a large number of articles in reputed publications like the Science, New York Times, Wall Street Journal, Associated Press, Bloomberg, Forbees, MIT Technology Review, Business Week, The Guardian and many more.Dr. Modha's past-time leisure's include reading about creativity and global economy. He is also a health freak and regularly practices Yoga.

Prof. Subhash Khot

 B.Tech., 1999, Computer Science and Engineering

Prof. Subhash Khot is a faculty member in the Computer Science Department, part of the Courtesan Institute for Mathematical Science, at New York University. Previously he held appointments at Georgia Institute of Technology and University of Chicago. He has made several contributions to computational complexity - a study of the power and the limitation of computing and the efficient approximation of optimization problems. Prof. Khot's work has led to new results in algorithmic design and approximation harness and to new interactions between computational complexity, analysis and geometry.

Prof. Khot did his B.Tech. in Computer Science and Engineering from IIT Bombay in 1999. He received his Doctorate in Computer Science from Princeton University in 2003. Prof. Khot is a proud recipient of the coveted 'Rolf Nevanlinna Prize 2014' by the International Mathematical Union; Young Alumni Achiever Award in 2011, from IIT Bombay; and the Alan T. Waterman Award, one of the most prestigious award by the National Science Foundation, in 2010. During his college days, Prof. Khot was a two-time International Olympiad Silver Medalist. He infact, stood first in the IIT-JEE 1995 as well.

Prof. Khot is a voracious reader and enjoys reading about diverse topics in science, history, economics, politics, philosophy and religion.

K.8. Young Alumni Achievers Awards

Mr. Gagan Jeet Bhalla

B.Tech., 1996, Civil Engineering

Mr. Gagan Jeet Bhalla is the Chief Executive Officer of Apollo Sugar – an innovative care delivery business from the Apollo Hospitals, which is focused on providing assured care for Diabetics. Apollo Sugar was founded with a vision to make India diabetes free and is building the largest pan-India, specialty clinics model for Diabetes care.

Mr. Bhalla has a career spanning over 16 years in the industry of heath care and health insurance. Before joining Apollo Sugar he was Director, Strategy & Healthcare Operations at Max Bupa and was engaged with the management team that delivered a highly successful growth stories in retail India Healthcare. Prior to working in Max Bupa, he was with Aetna (a Fortune 100 company) as Global Managing Director, Strategy and Corporate Development, and led Aetna's expansion into China and India. He has also worked as an Associate Partner in Accenture's Healthcare Management Consulting practice, out of New York. At Accenture, he served top C-level clients in healthcare in areas of growth strategy and operations turnarounds across key parts of the healthcare value chain including Pharmacy, Biotechnology, Medical Device, Health Insurance and Care Delivery.

Time and again, Mr. Bhalla has demonstrated his capabilities in creating new ventures from the ground up, substantially improving performance of existing businesses, developing leaders and transforming corporations.

Mr. Bhalla received his B.Tech. degree from the Department of Civil Engineering, IIT Bombay. Later he obtained his M.S. from Vanderbilt University, United States and MBA from INSEAD, France. Mr. Bhalla has been recognized by Economic Times (India's #1 business daily) in "India's Top 40 Under 40" - a list of top CXOs active in corporate India.

He loves to spend time with his two daughters and enjoys playing golf and squash with friends.

Mr. Ursheet Parikh

B.Tech, 1998, Computer Science & Engineering

Mr. Ursheet Parikh is a Partner in Mayfield Fund. Founded in 1969, Mayfield is one of the oldest and most respected Venture Capital firms in Silicon Valley that has funded over 500 start-ups leading to well over 100 IPOs. Mr. Parikh encourages and invests in enterprises focusing on deep technology and helps entrepreneurs build amazing products and companies for global markets.

In 2009, Mr. Parikh co-founded StorSimple, which pioneered a new category of business data storage product called – Cloud-integrated storage. By 2012 the company became a market leader as the product fundamentally disrupted the $50 billion market for business data storage. In the same year, the company was acquired by Microsoft, which continues to sell products under the StorSimple brand and has often highlighted StorSimple as one of its most successful acquisitions.

Earlier in his career, Mr. Parikh has been the Director, Product Management at Cisco Systems where he started the WAN acceleration product line (WAAS) for Cisco that makes applications run 10x-50x faster across the world. WAN acceleration was one of the key enabling technologies helping the offshoring happen. It made offshore tasks with information on US servers go from minutes to seconds on the same network which was like magic for users. Cisco's WAN acceleration product became the leader product in the world in its category in 2008. Before joining Cisco Systems, he was the Product Manager at Andiamo Systems which delivered the first secure storage network infrastructure that was able to get the highest security certification of the US Federal Government. Andiamo Systems was acquired by Cisco in 2004. He was also the Co-founder of Jalva Media Inc. – one of the first digital content start-ups in India. The company pioneered delivering Bollywood video content on the internet and had many firsts to its credit including the first webcast of a Bollywood event (IIFA awards, held in London in June 2000), delivery of online video for TV companies in India and creating the first offshore video services company in India.

Mr. Parikh obtained his B.Tech. degree in 1998 from the Department of Computer Science & Engineering, IIT Bombay. He also holds a Master's Degree in Business Administration from the Wharton School, University of Pennsylvania, USA. Under his leadership, StorSimple won many awards and accolades for its products and inventions. Notably - Storage Magazine awarded the 'Storage System of the Year – 2011', the only Gartner Group Cool Vendor for Cloud Storage, BizSPark Partner of the Year from Microsoft; Best Product Award from SQL Server Magazine and many more. Also, Cisco's WAN acceleration product started by Mr. Parikh won leading industry awards like 'Best of Interop 2008 for Network & Application Performance'. Cisco moreover, bestowed Mr. Parikh with the 'Pioneer Award' for leading this effort and a special CEO award for 'extraordinary contribution to technology'. Anything and everything about technology and entrepreneurship excites Mr. Parikh. A fitness enthusiast, he likes to travel and read as well.

Prof. Devavrat Shah

B.Tech. 1999, Computer Science & Engineering

Prof. Devarat Shah is Jamieson Associate Professor with the Department of Electrical Engineering and Computer Science, Massachusetts Institute of Technology (MIT). He is also the founder of Celect – which was set-up in 2012, to commercialize his work on computing "social choice" from massive amounts of social data.

His research focuses on developing theoretically sound algorithmic solution for practical problems in communication networks and machine learning. This has led to advances in the theory of scheduling and graphical models. His work has made an impact on the practice including wireless networks, Internet routers and recommendation systems. His work on 'social data processing' was considered as one of the Top 50 contributions from Computer Science and Artificial Intelligence Lab (CSAIL) in the 50 years of its existence.

Prof. Shah received his B.Tech. in Computer Science and Engineering from Indian Institute of Technology Bombay in the year 1999 and was felicitated with the Presidents of India Gold Medal, by the Institute. He received his Ph.D. in Computer Science from Stanford University in 2004 and was a Post-doctoral Associate in Statistics at Stanford University in 2005. He joined MIT in the same year.

The Applied Probability Society of INFORMS awarded the Best Publication Award to Prof. Shah in 2012. He has also received the Erlang Prize from INFORMS in 2010 for his significant contributions to applied probability. He was recognized as the Rising Star from ACM Sigmetrics in 2008.

Prof. Shah is fond of playing squash.

Mr. Vishal Gupta

B.Tech., 2000, Electrical Engineering

Mr. Vishal Gupta is the Founder and CEO of Seclore, where he handles corporate development, investor relations and strategic vision. Seclore, which is primarily involved into data-centric security and governance, was incubated in 2009 at Society for Innovation and Entrepreneurship (SINE), IIT Bombay and has grown today to a team of 160 people, working across five countries. Seclore has clients in over 30 countries including majors like Panasonic, Daimler, ING, Metlife, AstraZeneca and governments of almost eight countries. For past several years, Mr. Gupta has been promoting the cause of techchnology entrepreneurship in India and encouraging Indian software product companies to go global.

Mr. Gupta started his career even before completing his B.Tech. from the Department of Electrical Engineering, IIT Bombay in 2000. He started a firm 'Herald Logic' within SINE, based on his final year thesis under Prof. V.M. Gadre, Department of Electrical Engineering, IITB. Herald Logic gradually became one of the foremost companies in the space of expert system employing 70 people and having clients across Australia, India and US. It was acquired by an Australian company in 2006.

Mr. Gupta has been honored with 'Top 1% in Physics' award by IAPT (Indian Association of Physics Teachers), 'Disruptive technology Innovator' award by Stanford GSB and 'Top Innovator under 35' by MIT Technology Review. Skiing, playing squash, swimming and sleeping are his favorite pastimes.

Prof. Sachin Katti

B.Tech., 2003, Electrical Engineering

Prof. Sachin Katti is an Assistant Professor of Electrical Engineering and Computer Science at the Stanford University since 2010. He has also been the CEO & Co-Founder of Kumu Networks from 2012 to 2014.

Prof. Katti's has made groundbreaking research along with his

graduate students which shows that it is practically possible to design and implement in-band full duplex radios (i.e. radios that can transmit and receive at the same time on the same frequency). The research has been published in ACM SIGCOMM 2013. The team has designed new algorithms and circuits and demonstrated working prototype implementations of WiFi and LTE in-band full duplex radios, a feat that was hitherto considered impossible. This invention has the potential to revolutionize wireless network design and spectrum allocation. At the simplest level, it cuts the amount of spectrum needed by half. The worldwide value of cellular spectrum used to operate broadband 4G networks is estimated at several trillion dollars. With full duplex, the amount of spectrum needed is cut by half, potentially creating value worth trillions of dollars for society.

Prof. Katti has made significant progress in commercializing this technology and bringing it to practice. Along with his students, he has started a company, Kumu Networks that is building the world's first commercial full duplex radios. Kumu has raised $25 million in venture capital investment and is in advanced commercial trials with major operators around the world to bring full duplex technology to practice.

Prof. Katti obtained his B.Tech. from the Department of Electrical Engineering, IIT Bombay in 2009. He later obtained his M.S. and Ph.D. degrees in Electrical Engineering and Computer Sciences from MIT in 2005 and 2009 respectively.

Prof. Katti has won many honours and awards. Prominent ones include the CNBC's Top 50 Most Disruptive Technologies/Companies of 2014; ACM Sigcomm Rising Star Award 2013; ACM SIGCOMM 2012 Best Student Paper and NSF Career Award 2012; Okawa Foundation Fellowship 2011; Terman, Hoover and Packard Junior Faculty Fellowships, Stanford University 2010; ACM Doctoral Dissertation Award, Honorable Mention 2009; IEEE William Bennett Prize in 2009; MIT Deshpande Center Innovation Grant in 2007 and National Talent Search Scholar, India in 1999, among others.

Mr. Zishaan Hayath

B.Tech. + M. Tech., 2005, Civil Engineering

Mr. Zishaan Hayath runs his start-up company - Toppr.com, an online platform for subject learning which he started in 2013. Toppr.com is backed by India's leading venture capital firms SAIF Partners and Helion. It has grown to a 60-member team, most of them alumni of IIT Bombay.

Prior to that, Mr. Hayath co-founded a phone commerce marketplace 'Chaupaati.com' in 2008, enabling millions of phone users in India to buy home appliances, electronics, children's products and books. Chaupaati.com grew to the strength of 40 people and was later acquired by India's largest retailer Future Group in 2010.

Before venturing into entrepreneurship, Mr. Hayath worked with ITC in 2005 and then worked with consulting firm 'Opera Solutions' on strategy projects for Fortune 100 clients in North America, Europe and Asia. He was the first employee in 'Opera Solutions' India office and saw the team grow from 1 to 50 before he quit to start a company of his own. He is also an angel investor in some of India's hottest start-ups including Olacabs and

Housing.com. He has moreover, created a group of angel investors, again most of them IIT Bombay alumni, called the Powai Lake Ventures. So far, this angel group has backed 20 start-ups across Consumer Internet, B2B SaaS, Solar, Wearables and QSR sectors. As many as 14 of these 20 start-ups were started by IIT Bombay alumni. After receiving their first funding cheque from Powai Lake Ventures, these companies have gone on to raise close to half a billion dollars in follow-on funding and successfully created 1000s of jobs.

Mr. Hayath graduated from IIT Bombay in 2005 with a dual degree in Civil Engineering. For his contribution in organizational and cultural activities during his years at IIT Bombay, he was awarded the Institute Organizational Citation and two Institute Colors.

When he is not working on his start-up, he can be spotted riding his Royal Enfield. Mr. Hayath is an avid traveler and has backpacked to many countries. He also dabbles in photography and frequently updates his travel blog with breathtaking pictures from his trips.

K.9. Distinguished Service Awards 2014

Mr. Rajendra Laad

B. Tech., 1982, Electrical Engineering

Mr. Rajendra Laad is a management and technology consultant providing vision and strategy for big data governance, integration and analytics. Prior to consulting he was a Chief Technical Officer (CTO) at Pristine Infotech – a provider of mobile and Business Intelligence Analytics (BIA) solutions. He spearheaded development and management of mobile and BIA platforms and drove mobile platform to reduce labor costs by 35% while improving workforce productivity and realizing margin improvements of 3%-5% for customers, alongwith increasing their revenues. Before joining Pristine, Mr. Laad founded GURU Technology and partnered with client executives to establish vision, strategy and engineered solutions of millions of dollars, while collaborating with multi-functional teams across the globe. He earlier, worked at Lotus and Informix.

Besides a B.Tech. Degree in Electrical Engineering, Mr. Laad holds an M.Tech. in Computer Science and Engineering (1985) from IIT Bombay. He later undertook management courses in, New Businesses in Established Organizations, Efficient Project Management, and Leadership for Senior Executives, and Effective Meeting Management. Mr. Laad has co-authored a patent and has delivered presentations at various IT conferences and user groups. He is a member of IEEE and TiE.

According to Mr. Laad, the time spent at IIT Bombay was the best phase of his life, where he was able to forge ever-lasting friendships. Recalling *Holi* celebrations on Campus, he says, "The *bhang* prepared in my hostel H4 was infamous. In my 3rd year, few mess workers placed copper coins in the *bhang*, increasing its effect manifold. It is said that one keeps

repeating actions after consuming *bhang* and that year I experienced it myself! I tried to make my friends laugh and in the process, laughed uncontrollably. Later I went to my room and slept. That was the deepest sleep I have ever experienced, where I dreamt of floating in the air like a *trishanku*." The education and extra-curricular activities, offered at the Institute, played a pivotal role in shaping him and his career. He was involved in several student activities during his college days such as in GS Sports, Hostel Council, Mood Indigo and Inter-IIT Sports Meets and played various sports like volleyball, hiking/trekking and *kabaddi*. Alumni activities are just a continuation of his association with IIT Bombay. "It is imperative to give back to one's *alma mater,* which lays the foundation of one's life. Additionally, in today's competitive landscape, IIT Bombay needs support and involvement of its alumni to raise its brand in the world," adds Mr. Laad. Mr. Laad is currently the President of IITSINE, PanIIT Boston Chapter and was instrumental in organizing the Boston area Roadshows for the year 2012, 2013 and 2014. He helped in making the Boston IIT Entrepreneurship Conclave 2014, a huge success. He was one of the main organizers of the Golden Jubilee kick-off event in Boston, FAN 2011 and several IITB alumni meetings. Mr. Laad was on the core committee of the 1982 batch that pioneered the Young Faculty Award as well as a part of the committee of MadHouse book, proceeds of which go to the HATS project. He was bestowed the PanIIT USA Chapter Leadership Award in April 2014. Mr. Laad enjoys biking, watching sports on TV and travelling.

Mr. Shankar Narayan

M. Tech., 1992, Energy Systems

Mr. Shankar Narayan is the Regional Sales Director of HCL Technologies. He leads business development for HCL Technologies for HiTech industry segment in the West Coast. Mr. Narayan has more than two decades of experience in sales and business development across diverse industries such as automotive, manufacturing, food, pharma, fertilizers and chemicals, systems and controls and lately IT.

Mr. Narayan did his M.Tech. in Energy Systems from IIT Bombay in 1992 and describes his stint at the Institute as "best 24 months of my life." During his stay at Hostel 7, he was in the Hostel Council and was a Warden's nominee, where among other things he did was - vending out tickets for the film club. His passion for IIT Bombay motivated him to contribute to the alumni activities of the Institute. After coming to the Bay Area in 2005, he has been a volunteer for IIT Bombay Heritage Foundation Ever since, he has been involved in organizing social and professional events including the IITB annual picnic and Diwali *Dhamaka*, networking sessions, lectures, panel discussions, etc. In 2007 he was the Sponsorship Co-Chair for PanIIT 2007, where he was instrumental in raising over $1MN in sponsorship. In 2008 he was appointed as the Vice President for the Bay Area Chapter. Mr. Narayan has been a regular volunteer to the annual fund raiser campaign (Go-IITB) and has been an active participant in the 'Callathons'.
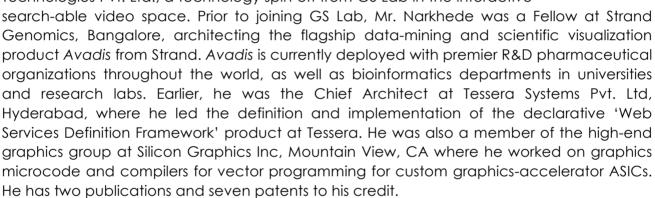
Since 2013, he is on the IITBHF board as a Treasurer, where he manages the financial aspects of the Foundation and oversees the compliance and audit of its book of accounts.

He works closely to ensure that the donor interests, experience and stewardship is fostered and has taken several initiatives to transform IITBHF activities, infrastructure and methods. These include, Database cleaning, updating Web Infrastructure and creating iCAN - an endowment in the US. He also plays a significant role in partnering with the Board and EC members to drive greater alumni interactions nationwide, supporting, reviving and fostering new chapters. Playing Bridge is his hobby.

Mr. Atul Narkhede

B.Tech., 1993, Computer Science and Engineering

Mr. Atul Narkhede is the Chief Technical Officer (CTO) and Joint-Managing Director of Great Software Laboratory Pvt. Ltd. (GS Lab) and leads the business and technology strategy for the product development services company. He is also a co-founder and CTO of kPoint Technologies Pvt. Ltd., a technology spin-off from GS Lab in the interactive search-able video space. Prior to joining GS Lab, Mr. Narkhede was a Fellow at Strand Genomics, Bangalore, architecting the flagship data-mining and scientific visualization product *Avadis* from Strand. *Avadis* is currently deployed with premier R&D pharmaceutical organizations throughout the world, as well as bioinformatics departments in universities and research labs. Earlier, he was the Chief Architect at Tessera Systems Pvt. Ltd, Hyderabad, where he led the definition and implementation of the declarative 'Web Services Definition Framework' product at Tessera. He was also a member of the high-end graphics group at Silicon Graphics Inc, Mountain View, CA where he worked on graphics microcode and compilers for vector programming for custom graphics-accelerator ASICs. He has two publications and seven patents to his credit.

Mr. Narkhede received his B.Tech. in Computer Science & Engineering from IIT Bombay in 1993 and he did his MS in Computer Science from the University of North Carolina – Chapel Hill. Recalling his undergraduate days, he says, "We used to ignore security warnings about swimming in the Vihar lake and routinely went for swimming in the lake. One week it rained a lot, resulting into overflowing of the lake and imagine our surprise when we saw a large crocodile by the pipeline, near the railway track. A huge crowd gathered to view the reptile and drove it back into the water. We never went swimming in the lake again!"

As a part of his contributions to IIT Bombay as an alumni, Mr. Narkhede played a key role in organizing Innovations (an annual event organized by the Pune Chapter of IITBAA to foster innovation in the society) for five years, where he also served on the selection panel. He was the only contributor who was a part of the leadership team for all five years. He also served as the Secretary and Executive Committee member of Pune Chapter for six years. During this time, he established and managed the Pune Chapter's website, mailing lists etc. and actively organized all events such as talks by Distinguished Alumni and others, picnics, fresher's party and so on. Mr. Narkhede is credited for setting up and supporting an archival process for all Chapter talks and events (online video recordings) at http://iitbaapune.in. He continues to lead the Pune Chapter, which has carried out 10 events in the last twelve months making it one of the most active chapters!

"My tryst with IIT Bombay was one of the most stimulating, exciting and enriching experience of my life and I like to relive those moments by associating with folks who share this common legacy. Besides the networking opportunities offered by this activity, it helps me stay in touch with friends and fellow alumni. The Chapter also provides a platform for making a positive change in the society by bringing thoughts of leaders and innovators into public domain. Alumni activities also help me give back to the IITB in a small measure, it is my way to express my gratification and gives me immense satisfaction," shares Mr. Narkhede.

An avid traveller, Mr. Narkhede enjoys jogging, cycling, trekking and spends weekends wandering around the Sahyadris and long Himalayan treks.

Mr. Saumil Majmudar

B. Tech., 1993, Metallurgical Engineering & Material Science

Mr. Saumil Majmudar is the Co-founder and Managing Director of EduSports, which is India's largest school sports enterprise and manages the sports/ Physical Education programmes in 400 schools across 80+ cities in India and overseas (UAE, Qatar, Nepal) – helping over 300,000 children get healthier and fitter through the magic of sports.

After completing his B.Tech. in Met. Engg. & Mat. Science, from IIT Bombay in 1993, Mr. Majmudar did PGDM from IIM Bangalore. He has also undertaken a Basic Mountaineering Degree from Nehru Institute of Mountaineering and pursued Ignite Entrepreneurship Programme at Cambridge, UK. At IIT Bombay, he resided in Hostel No. 7 and was the Sports Secretary, Sports Councillor and a member of the NSO's Badminton and Inter-IIT Football team. "IIT Bombay was a revelation for atleast three things - finding that the guys who ragged you the most, turn out to be your best buddies, learning to appreciate home-cooked food a lot more, and that many smart folks could actually balance academics and *lukhagiri,"* he fondly recollects. Even while building EduSports, he found his stint as a Sports Secretary very helpful. "I am perhaps one of the few IIT-ians, who has applied what he actually learnt at IIT!" he adds.

Mr. Majmudar started his career in 1995 at Wipro's Global R&D, as a part of the International Sales team. However, he decided to follow his heart and turned entrepreneur in 1998, first in technology and later in sports. Over the last 15 years as an entrepreneur, he has experienced pivoting, raising funds from Angels and VCs, building a team, getting early customers, failing and then re-building a platform to scale the business. Since 2003, he has been trying to build a business around getting children to play and started SportzVillage, which later morphed into EduSports. Mr. Majmudar has been listed in the 'Top 50 Leaders Impacting Indian Education' by Education World. He has received 'CII Emerging Entrepreneur Award' by the Confederation of Indian Industries and has been featured on CNBC's 'Young Turk' and Aamir Khan's Satyamev Jayate.

Mr. Majmudar started the 'freshers nite' initiative in Bangalore that resulted in alumni migrating to the city getting connected with other alums. The event has become a

standard event for the Bangalore Chapter and is now being replicated by other Chapters as well. He initiated various fund-raising events for the Chapter, including the 'Moods and melodies' annual event, which has led to the creation of an Inter-IIT Music group. The funds raised from 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. Abhishek Mangalick

B.Tech, 2004, Mechanical Engineering

Mr. Abhishek Mangalick is the Chief Executive Officer at Ecosense Sustainable Solutions Pvt. Ltd..   He did his B.Tech. in Mechanical Engineering from IIT Bombay in 2004. Soon after his graduation, he joined Hindustan Petroleum Corporation Limited as Engineer Projects and served there for one-and-a-half years.

Mr. Mangalick founded V2Learn in 2006 to create technology based educational solutions for the Indian and US market. The organization successfully implemented online tutoring in Mathematics in American schools, winning accolades from various quarters for its highest quality products, and works closely with various State governments. In 2010, he moved on to establish Ecosense.

Mr. Mangalick re-energized the Delhi NCR Chapter of the Alumni Association and converted it into a leading one with his meticulous planning and by roping in active volunteers. He has hosted two mega events and was also the architect for the pilot launch of 'Alumni Business Forum' in Goa in July 2013, where he was in charge of a panel discussion on education and skills development. Not only did he design the whole event along with Mr. Shridhar Shukla but also successfully implemented it, winning appreciation from eminent panelists. Mr. Mangalick was one of the two Board members who brought in crucial money through sponsorships at the Goa Conclave and was also instrumental in raising good amount of fund at the NCR's 'Fresher's Welcome'. He was elected to the Board of Directors of IIT Bombay Alumni Association in August 2013 and has been enlisted for Global Alumni Business Forum.

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