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Introduction

Notable events in the year 2006

Foundation Day 2006 saw the conferment of Distinguish Alumni Awards on two alumni, who had notable achievements in their respective spheres of activity. In addition, “Lifetime Achievement Award” and Faculty Awards were presented on this day.

44th Convocation of IIT Bombay was held on Friday, August 11, 2006. Shri Montek Singh Ahluwalia, Hon’ble Deputy Chairman, Planning Commission, Government of India was the Chief Guest for the Convocation. Dr. Obaid Siddiqi, Renowned Scientist, National Centre for Biological Sciences, Bangalore, was conferred the Degree of Doctor of Science (Honoris Causa) in recognition of his outstanding research contributions in the field of Molecular Biology.

Teacher’s day was celebrated on September 5th 2006. Dr. Arvind Kumar Centre Director, Homi Bhabha Centre for Science Education, TIFR, Mumbai was the Chief Guest at this occasion, twelve teachers were awarded the Best Teachers Award.

This year, Alumni Day was held on December 25, 2006. A large group of the class of '81 alumni celebrated their Silver Jubilee Reunion. Class of '81 had targeted raising Funds for Scholarships and Entrepreneurship. Prof. Misra presented the Distinguished Service Awards. The awards acknowledge the efforts of the Alumni who have successfully enhanced the IIT - industry interaction or contributed in notable ways towards the institute.

During the year 2006, Donations / Endowments received through IIT Bombay Heritage Fund of US \$ 83,800/- were towards Scholarships and Hostel -7 Fund.

In connection to endowment related activities it is however important to mention that with the increasing levels of integration of the Indian economy into the global pattern, yields on investments have dropped dramatically. This has made returns on several endowments inadequate to meet the originally stated objectives. The endowments for chair professorships

and scholarships do not yield adequate interest at present. It has therefore become imperative for the key functionaries of IIT Bombay as well as the Directors of IIT Bombay Heritage Fund to look at some of the existing endowments and examine how best we can either ensure continuity of the original activity or integrate the activities between several endowments.

IIT, Bombay will be celebrating its Golden Jubilee from July 2007 to March 2009. A large number of events are to be organized and new projects are to be initiated during the GJ year. IIT, Bombay looks forward to receiving an active support and participation of every kind from its Alumni and IITBHF for the grand GJ event.

Prof. R.K. Shevgaonkar.

**Suman Mashruwala Micro Mechanical Systems Laboratory
Department of Mechanical Engineering**

1. Introduction

The Suman Mashruwala MEMS laboratory development project with clear research and teaching deliverables has been undertaken in the department of Mechanical Engineering with the following objectives

1. To create a laboratory to trigger the young minds of undergraduate students by exposing them to the world of micromechanical systems simulation and experiments.
2. To create the infrastructure needed to start fundamental and applied research in the areas of engineering design, manufacturing and thermal & fluid technology related to MEMS.
3. To create a unique state-of-the-art facility in the institute.

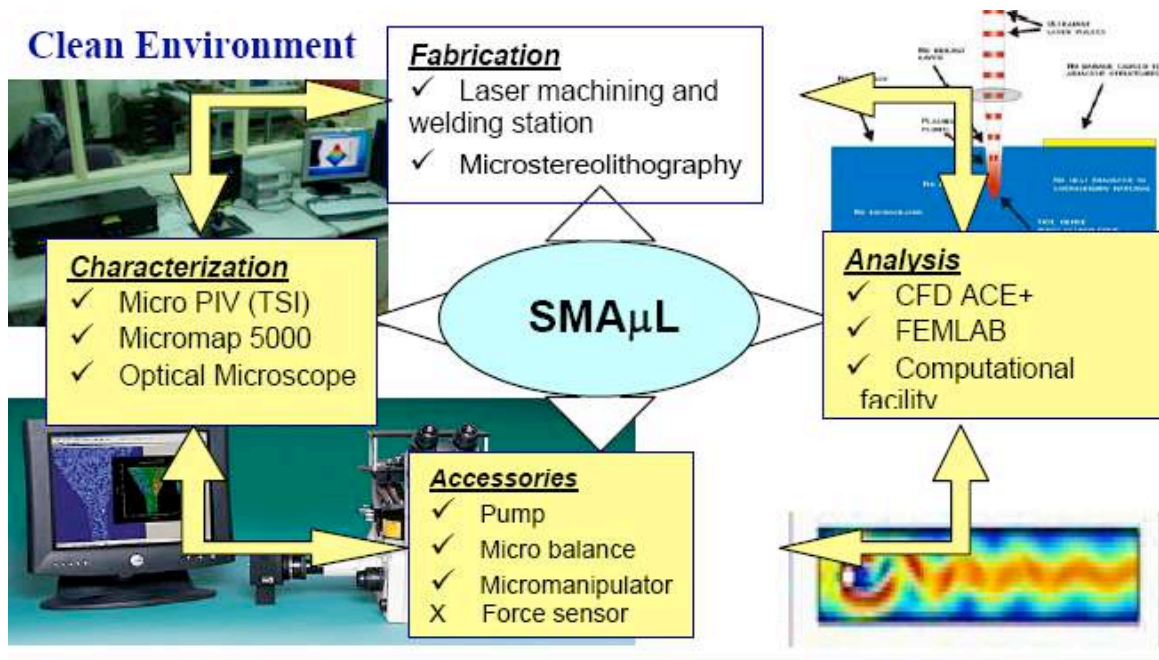


Figure 1 Theme of the proposed laboratory

Construction of New Building

The new building construction is completed in all the aspects and building is already in use for various research activities (proposed and newly added). The temporary space given by the department have been handed over to the dept.



(Building of SMA μ L)



(Clean Room)

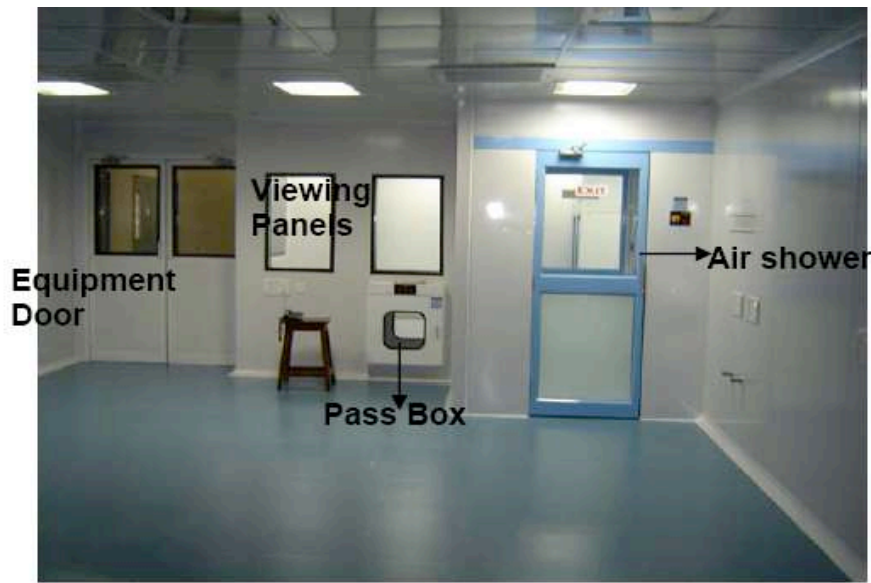


Figure 3 Clean room setup of SMA μ L as on Sept 2006

Clean room setup:

The clean room is now being used routinely for research activities. Microstereolithography setup experiments, microPIV characterization and micromap experiments are currently going on in the lab. Figure 3 shows photograph of clean room ready to move in.

3. Equipments

The following subsections give the status of procurement and use of various equipments.

		Total 3 years		
		Budgeted	Actual till	
Equipments		Rs. In lakh	May 06	Difference
A. Fabrication				
I	Laser Gun, with precision xy table (for machining)	118	119	-1
II	Microstereolithography Setup (Laser + Galvano scanning mirrors, high power optical components DAQ system)	36	35	1
B. Characterization				
	High resolution optical microscope with attachments		7	-7
II	Micro PIV system from TSI	79	67	12
III	Laser Interferometer measurement (micromap 5000) SEM (institute facility will be shared)	33.9	59	-25.1
C. Analysis				
	Software FEMLAB (3 licences)	4	4	0
	Software CFD-ACE+ (1 licences)	1	1	0
	Computational facility	6	5.2	0.8
D. Clean room facility				
	Class 10000 clean area	46	30	16
	with class 1000 clean benches			0
	Total equipments (3 years)	323.9		323.9
Consumables and accessories				
E. Accessories				
	Precision micro-weighing balance	2.5	1.4	1.1
	Six-axis force sensor	5		5
	Other accessories	10	1.2	8.8
	MEMS accelerometers, gyroscopes, pressure sensors temperature sensors, and other available MEMS sensors			
	Tools for MEMS handling,			
F. Consumables				
		7	0.6	6.4
Contingencies				
		4	5	-1
Travel (FDF)				
		0		
Salaries				
	Post doctoral fellow (institute supported)			
	Technician + office staff	5.4	2	3.4
	2 RAs	7.2	2.5	4.7
	Total	365	339.9	
	GRAND TOTAL (considering tax+freight)		370.7	

3.1 Fabrication

Micromachining and Microwelding Station:

The excimer laser facility is now fully functioning since Oct 05. Figure 4 shows photograph of excimer laser installed in the new building. It is being used to study excimer laser machining of polymers, silicon for biosensor /micro-fluidic applications. Also it is used in MEMS course for course project. Two projects are in pipeline based on this setup: 1. Development of excimer laser LIGA process and 2. Development of thin films deposition setup using laser ablation.

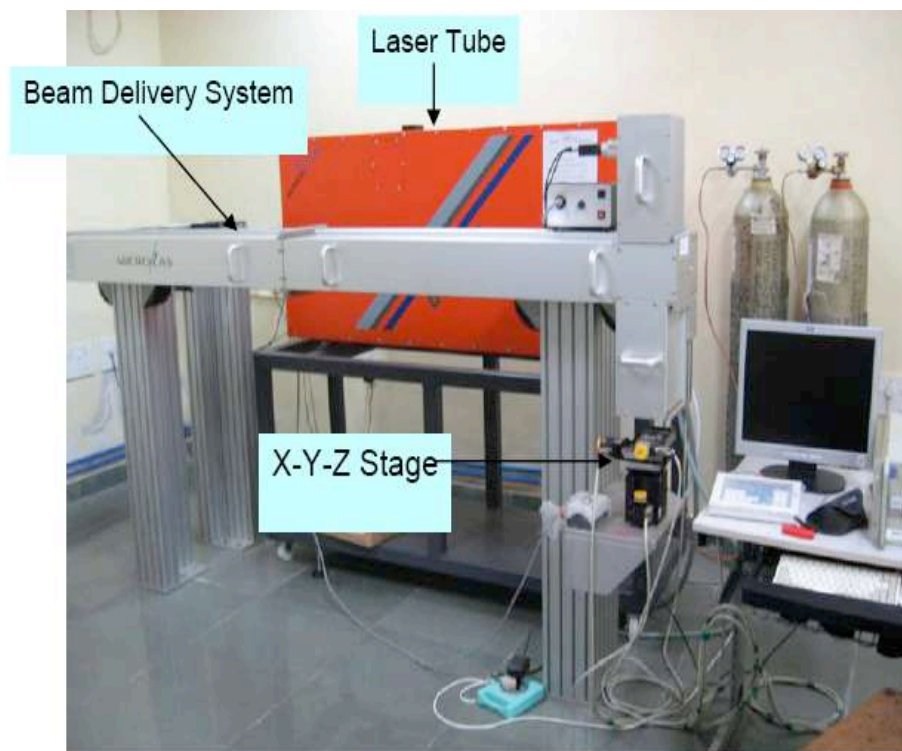


Figure 4 Excimer laser facility at SMA μ L

Microstereolithography:

The microstereolithography system is being built in-house. The proposed novel "on-axis" optical scanning mechanism for microstereolithography is now ready and integrated with various mechatronics elements. **Figure 5** shows a partial photograph. Full mechanism cannot be shown since the patent on the mechanism idea is in process with lawyer. Close to a micron positioning accuracy was demonstrated in drawing a circle of 100micron radius as shown in **Figure 6**.

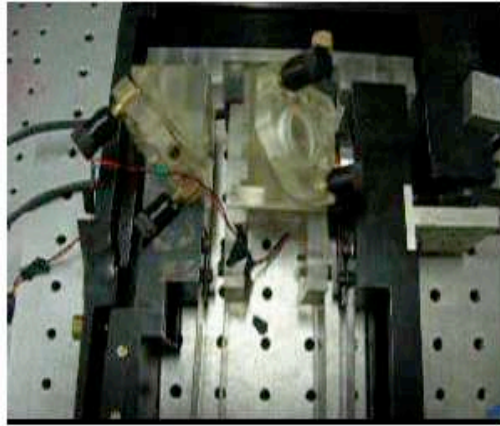


Figure 5 Microstereolithography (partial view of the setup)

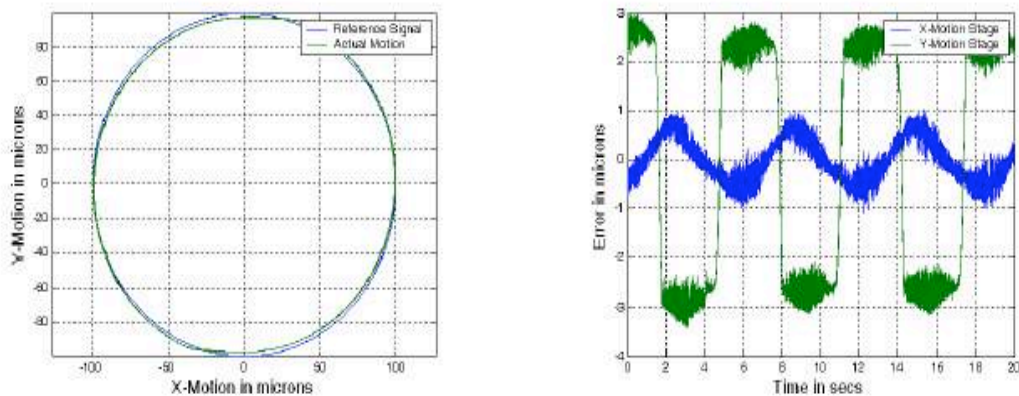


Figure 6 close to a micron positioning with the proposed optical scanning system

Coated nanoparticle fabrication in plasma chamber: (new activity)

With addition of Prof Bhandarkar in our group, we have started this new activity funded by the DST and hosted in our clean room. The project is aimed at developing coated nanoparticle fabrication facility. These particles then can be used for various applications including fillers in sunscreen, particles in slurry used for high precision surface finish, and so on. The following equipments necessary to put together this facility are in place:

- 1) Turbo Pump (Pfeiffer, Germany)
 - 2) Backing Pump (Pfeiffer, Germany)
 - 3) Mass Flow Controllers and Readout (Advanced Energy, USA)
 - 4) Pressure Guages and Readout (MKS Instruments, USA)
 - 5) RF Power Supply and Matching Network (Comdel, USA)
 - 6) Plasma Chamber (Local make - Excel Instruments)
 - 7) Cabinet for housing the Mass Flow Controllers (Local Make – Alpha Pneumatics)
- Assembly and integration of these into a system is going on.

Computational counterpart activity: 1) A dual degree student is working on a molecular dynamics model currently to study the growth of silicon on flat silicon surfaces and is also in the process of integrating carbon in the model. This can then be used to study the growth of Silicon Carbide. 2) The further steps will be to consider the growth on iron surfaces and spherical surfaces (both silicon and iron).



Figure. Chamber for nanoparticle fabrication

3.2 Characterization

Micro-PIV System: (Tool for experimental measurement of flow through microchannels)

Flow characteristics within micro-channels are conducted using the state-of-art micro-PIV system. Also, newer frontiers of measurement techniques, like front-tracking, using micro-PIV is explored.

Micromap 5000: (Laser interference based static and dynamic measurement tool)

This system is already in place and in use for various out-of-plane measurements including cantilever biosensor and electrostatic pull-in instabilities. This module is now fully mastered. AFM cantilevers fabricated in EE were also characterized for their vibration frequencies. New devices (mechanisms, xy stages etc) have been fabricated and undergoing in-plane characterization.

3.3 Analysis

Both the analysis softwares: CFD ACE+ and FEMLAB, were used for their device simulations.

3.4 Accessories

Micro-sensors: Accelerometers are procured and pressure sensors are in pipeline. Six-axis force transducer: In the interest of budget this component is dropped.

Microbalance: It has been in use for long time now.

Micromanipulators: These are used for electrical contacts to comb actuators and microcantilevers for pull in instability.

4. Manpower

Active team consists of 7 faculty members, listed below

Amit Agrawal
Upendra Bhandarkar
Prasanna S. Gandhi (Coordinator)
Suhas S. Joshi
Sushanta. K. Mitra
Dnyanesh N. Pawaskar
S. V. Prabhu

The following are details of students, research assistants and technicians working on the project:

Research assistants: (M Tech 07)

1. Vishal Barde: “Development of Micromachining Processes using Excimer Laser”(SSJ)

Institute RA: (M Tech 08)

1. Amit Pathak

Ph.D. students:

1. Suhas Deshmukh: “Design and Analysis of Microstereolithography” (PSG)
2. Auro Saha “Microchannel fluid flows” (SM)
3. Rahul Shukla “PiezoMEMS based energy scavengers” (PSG, Lim@NUS)
4. Prabhakaran “Biosensor based on magnetic nanoparticles” (DB, SoumyoM, PSG)
5. Prashant Waghmare “Nanofluidic bases bio-sensor” (SM)
6. Manish Jogalekar “Extending travel range of electrostatic actuators” (DNP)

B.Tech students: On an average 6 BTech students work for their project in the lab. Since the lab activities involve experimentation (which most BTech students are not comfortable with) we do not see many of them signing up for projects.

As we see the team is strong with 7 faculty, 4 PhD, more than 15 MTech, and several BTech students working at any point of time on the topics related to the research deliverables of SML project or topics of future expansion of the lab. However we have to admit lack of full time TA and office support on continuous basis. Hopefully some innovative solution may come up over the years.

FINANCIAL STATEMENT :

Funds received through IIT Bombay Heritage Fund

Donor	Date of receipt	Amount USD	Amount Rs.
Rajesh Mashruwala	1 st July 2004	100,000	45,62,000
	1 st July 2004	400,000	1,84,56,000
	9 th March 2005	400,000	1,73,84,000
Total		900,000	4,04,02,000

B: Expenditure Statement

Nature of expenditure	Expenditure up to 2006
Equipment	1,77,39,568
RA fellowship	2,94,758
Salaries	2,09,542
General expenses	5,93,064
Grand Total	1,88,36,932

Total funds received **Rs. 4,04,02,000**

Total expenditure incurred up to Dec 31, 2006 **Rs.3,48,81,626**

Equipment was committed through opening LCs and Purchase Orders will be paid during the year 2007 were also included in the total expenditure.

Acknowledgements

Authors would like to acknowledge support of the institute for the project at various levels: particularly support of HOD, ME, Prof. Gaitonde, Prof Ghosh, and Prof Shevgaonkar. Authors are thankful to discussions with Prof Sukhatme during initial period, and with Prof Majumdar (UC, Berkeley) during project execution.

**AVINASH MANUDHANE (Indira Foundation)
Chemical Engineering Department**

- 1. Classrooms up-gradation**
- 2. Postgraduate Research Laboratory up-gradation**
- 3. Excellence awards**

1.1 **Renovation of S2 bay:** Renovation was completed.

1.2. **New equipment:** Following are some of the new set-ups procured / fabricated.

- a) Ion exchange / absorption
- b) Liquid-liquid extractor
- c) Gas-liquid contactor
- d) Measurement of Reaction kinetics
- e) Multipurpose reaction engineering rig with experiments on performance of CSTR, PFR and their combinations, residence time distribution etc.
- f) Fluidised bed dryer
- g) Interacting level control set up
- h) Non-Interacting level control set up
- i) Stirred tank heater set-up (2 rigs)
- j) Friction factor set-up
- k) Cooling Tower

1.3 **Other items:** Following product / plant models have been procured:

- a. Product models: Distillation column and shell and tube heat exchanger.
- b. Plant models: Modern refinery, sulfuric acid plant
- c. UG lab Library books: The UG lab library is now well stocked with standard references material.
- d. A single exhaustive laboratory manual on UG lab at IITB has been prepared.
- e. Video clips on several experiments are ready
- f. 30 computer machines have been set-up for the UG lab computer room in S2-bay.

2. PG Classrooms:

One large classroom (Room 230) and 3 smaller classrooms (228, 235 and 301), were renovated.

Financial Status:

Funds received through IIT Bombay Heritage Fund:

Donation received:		
Avinash Manudhane	25,000	11,40,500
(Indira foundation)	125,000	54,00,000
	125,000	57,05,287
Total	275,000	1,22,45,787

Expenditure:		
Civil work		83,50,767
Equipment & General expenses		44,28,159
Total		1,27,78,926
Balance		-5,33,139

3. Excellence awards

Avinash Manudhane contributed **US\$125,000 (Rs. 56,33,605)** towards endowment for excellence awards. As per the memorandum of understanding the following awards have been instituted.

The following are the awardees for the year 2006:

- i. Indira Manudhane **B.Tech. Student Excellence Award**
To Mr.Sumesh R.Risbud and Miss Shweta Shah.
- ii. R.G. Manudhane M.Tech. Student Excellence Award
To Mr. Sachin Kadu.
- iii. R.G. Manudhane Ph.D. Student Excellence Award
To Mr. Prashant Bapat and Mr.Meka Srinivasa Rao
- iv. Indira Manudhane Best Undergraduate Teacher Award
To Prof. S.Mahajani
- v. Indira Manudhane Best Postgraduate Teacher Award
To Prof. U.V.Shenoy.
- vi. R.G. Manudhane Faculty Research Excellence Award
To Prof. K.V.Venkatesh and Prof. Ms.Chandra Venkataraman
- vii. Indira Manudhane Applied Research Project Award
To Prof. H.S.Shankar, Prof. Sanjay Mahajami and Prof. Jayesh Bellare

Excellence Awards Expenditure:

Indira Manudhane B.Tech. Student Excellence Award 2005	Rs. 30,000
R.G. Manudhane M.Tech. Student Excellence Award 2005	Rs. 10,000
R.G. Manudhane Ph.D. Student Excellence Award 2005	Rs. 20,000
Indira Manudhane Best Undergraduate Teacher Award 2005	Rs. 70,000
Indira Manudhane Best Postgraduate Teacher Awards 2005	Rs. 40,000
R.G. Manudhane Faculty Research Excellence Award 2005	Rs. 40,000
Indira Manudhane Applied Research Project Award 2005	Rs. 90,000
Total	Rs.3,00,000

FACULTY DEVELOPMENT FUND (through IITBHF)

1. Introduction

The contributions made by the alumni for the *Faculty Development Fund* has made a very significant impact. This fund essentially used by faculty members for international travel related to professional pursuits, dissemination of R & D results etc.

For the year 2006 – the following faculty members were given travel assistance from the Faculty Development Fund.

Sr.No.	Name of the Faculty	Department	Details of visit	Amount sanctioned from FDF
01	Prof. K.G.Suresh	Physics	Visit for Conference held at San Jose, USA	94524
02	Prof. P. Seshu	Mechanical Engg.	Visit to the University of Southampton, UK from 16-17 March, 2006	30259
03	Prof. D.N. Pawaskar	Mechanical Engg.	Visit to the University of Southampton, UK from 16-17 March, 2006	29390
04	Prof. Abhay Karandikar	Electrical Engg.	Visit for Research Collaboration in Communication Engg. from 19-24 March, 2006	31846
05	Prof. S. Choudhari	Electrical Engg	Visit to U.K. for Research Collaboration in Communication Engg. from 19-24 March, 2006	35000
06	Prof. N. Merchant	Mechanical Engg.	Visit to the University of Southampton, UK from 16-17 March, 2006	30259
07	Prof. M. S. Mukherji	CESE	Visit for IUMS 2005, Microbes in a changing world held at San Francisco, USA from 23-28 July, 2005	19880
08	Mrs. Aruna Thosar Dixit	PRO	Visit for National Conference held at Singapore from 1-3 March 2006	77720
09	Prof. Raman S. Srinivasa	MEMS	IITB- Donggut University Joint Symposium held at Seoul, Korea from 8-12 May, 2006	50000
10	Prof. Prakash Gopalan	MEMS	Visit for PAN IIT Meet on 24 th & 25 th June 2006 held at USA	45203
11	Prof. Sushanat K.	Mechanical	Towards 4 th International Conference	49177

	Mitra	Engg.	in Nanochannels, Microchannels & Mini Channels, Irland from 19-21 June, 2006	
12	Prof. R. N. Banavar	System & Control Engg.	Visit for IFAC workshop on Lagrangian & Hamiltonian methods for nonlinear Control held at Kyoto-Japan from 24-28 July, 2006	30000
13	Prof. Milind Atrey	Mechanical Engg.	Towards 365 WE-Hearaeus Workshop on Challenge of applied cryelectedrics to held from 21-24 May,2006 at Weilburg, Germany	18379
14	Prof. S.D.Jog	Mechanical Engg.	Visit for ECCM 2006 Conference held at Lisbon, Portugal from 5-9 June, 2006	111586
15	Prof. Ms. Neela Nataraj	Mathematics	Visit to Federal Republic of Germany (Humboldt University, Berlin)from 18 th May to 18 th June, 2006 under MOU between IITB & DAAD	52030
16	Prof. Asmita Mukherjee	Physics	Visit for 17 th International Spin Physics Symposium held at Kyoto, Japan from 2-7 Oct., 2006	50000
17	Prof. K. Narayanan	HSS	Towards Third Asiatics International Conference on Innovation Asia meets Global Challenges held from 16-19 April, 2006 at Shanghai	50000
18	Prof. C.V. Tomy	Physics	Towards IEEE International Magnetism Conference (INTERMAG 2006) held at San Diego, California, USA from 8-12 May, 2006	100000
19	Prof. R. C. Prasad	MEMS	Visit for International Conference on Engg. failure Analysis "ICEFA-II" held from 13-15 Sept.,2006 at Toroto, Canada	100000
20	Prof.G.G. Roy	IDC	Visit for International Conference on "Ergonomics" held at Bali, Indonesia from 28-30 August, 2006	60000
21	Prof. R.K.Shevgaonkar	Electrical Engg.	Visit for International Workshop on Engg. Education for Sustainable Development held at Beijing, China from 31 st Oct. to 2 nd Nov.2006	50000
22	Prof. Amarnath	Mechanical Engg.	Visit for ASME's 2006 International Mech. Engg. Congress & Exposition from 5-10 Nov.2006 at Chicago, USA	100000
23	Prof. M.N. Kulkarni	Civil Engg.	Visit for International Conference/General Scientific at NRIAG, Caiso Egypt during 17-21	30000

			Dec.,2006	
24	Y.S. Rao (Research Scientist)	CSRE	Visit for Workshop on Science & Application of SAR Polarimetry & Polarimetric Interferometry held at Rome, Italy from 22-26 Jan.2007	37000
25	Prof. B.S. Pani	Civil Engg.	Visit for Launching symposium for Journal of Hydro –Environment Research to be held at the University of Hong Kong, China from 18-19 January, 2007	30000
			Total	13,12,253

4. Concluding Remarks

The balance from 2005 carried forward for the year 2006 and utilized. IIT Bombay deeply appreciates the efforts of IITBHF in raising funds for Faculty development fund.

EXCELLENCE IN TEACHING AWARDS

3. Funds received

Particulars	Year	Date of receipt		Amount US \$	Amount Rs.
Alumni IITBHF	1997	September 9, 1997	One time	1,500	52,376
Alumni IITBHF	1999	October 18, 1999	One time	1,500	64,860
Alumni IITBHF	2001	March 28, 2001	Endowment	20,000	9,28,472
TOTAL				23,000	10,45,708

1. Introduction

The 'Excellence in Teaching Award', was approved by the Senate in its 136th meeting held on 4/12/96.

The awards process is fully streamlined and these awards have come to be highly valued by the faculty.

The procedure for selection remains the same as in earlier years:

- Questionnaire for student feedback for identification of the faculty for excellence in teaching awards is given to all passing out Students.
- Faculty involvement is minimal except as the Convener of staff/student committees for conducting the assessment.
- Acquisition of the feedback from the students and calculation of the Scores.
- Review by a committee consisting of the Dean, Academic Programmes, two Heads of the departments and two student representatives.
- Feedback from the Alumni. (if feasible)

2. Awards

The Teachers' Day was celebrated on September 6, 2006. The Chief Guest Dr. Arvind Kumar, Centre Director, Homi Bhabha Centre for Science Education, presented the awards.

The Technology Development Award was given to Prof. M.V.Rane, Mechanical Engineering Department.

The Excellence in Teaching Awards were given to the following faculty members:

S.No.	Names of the Awardees	Department
1.	Prof. Y.M.Desai	Civil Engineering
2.	Prof. Alok Goyal	Civil Engineering
3.	Prof. T.K.Biswal	Earth Sciences
4.	Prof. A.Karandikar	Electrical Engineering
5.	Prof. M.Chandorkar	Electrical Engineering
6.	Prof. Rehana Ghadially	Humanities & Social Sciences
7.	Prof. S.K.Maiti	Mechanical Engineering
8.	Prof. A.W.Date	Mechanical Engineering
9.	Prof. N.N.Viswanathan	Metallurgical Engineering & Material Science
10.	Prof. T.R.S.Prasanna	Metallurgical Engineering & Material Science
11.	Prof. D.S.Misra	Physics Department
12.	Prof. R.Manchanda	School of Biosciences & Bioengineering

5. Utilization of Funds

Academic year	Total Amount available during the year	Amount paid	Balance Rs.
1997 - 1998	52,376	30,006	22,370
1998 - 1999	64,860	80,008	(15,148)
1999 - 2000	0	80,008	(80,008)
2000 - 2001	81,028	80,008	1,020
2001 - 2002	97,490	60,006	37,484
2002 - 2003	97,490	80,008	17,482
2003 - 2004	70,458	60,006	10,452
2004 - 2005	74,228	00	74,228
2005 - 2006	74,228	1,20,012	(45,784)
TOTAL		5,90,062	22,096

LIBRARY ENDOWMENT FUND

IIT Bombay has received substantial contributions from alumni through *IIT Bombay Heritage Fund* towards 'Endowment for Library Journals'. The list of donations received and journals subscribed by using this endowment is appended.

A: Funds received through IITBHF

Particulars	Year	Date of receipt	Amount US \$	Amount Rs.
Alumni IITBHF	1999	7th June, 1999	28,000	12,02,880
Alumni IITBHF	2000	26 th April, 2000	25,000	10,88,500
Alumni IITBHF	2001	5 th February, 2001	50,000	23,15,195
Alumni IITBHF	2004	28 th May, 2004	25,000	11,40,500
Parag Saxena	2001			1,42,00,000
Bala Sagrithaya (for Sci finder)	2002	17 th Sept., 2002	150,000	72,13,467
Bala Sagrithaya	2004	28 th May, 2004	100,000	45,62,000
Arvind Ghanekar (for naming reading lounge)	2003	23rd July, 2003	200,000	91,82,000
TOTAL			578,000	4,09,04,542

C) Utilization of funds

For the year 2006-07, the Institute library committee continues to subscribe journals. Given below is the list of journals along with the subscription amount.

	Name of the Journal subscribed	Subscription amount Rs.
1	Project MUSE 2006 Full Collection On-Line	2,48,808
2	Science Online	2,20,716
3	J-STOR Full Collection Online	91,060
4	CA & CD (Chemical Abstracts Issues with Indexes) 12 monthly CD Issues	6,62,057
5	List of Journals:	
a	Biometrics	18,630
b	Canadian Geo-technical Journal	27,036
c	Chemical Engineering	8,039
d	Corrosion Science	1,57,948

e	Engineering Failure Analysis	34,266
f	Interfaces	15,584
g	International Journal Transactions Phenomena	22,365
h	Journal of the Electrochemical Society	42,440
i	Journal of Geology	8,668
j	Journal of Process Control	56,497
k	Journal of Sandwich Structures & Materials	58,882
l	Nuclear Technology	74,012
m	Process Bio-Chemistry Journal	71,631
n	Quarterly Journal Mechanics & Applied Mathematics	29,012
	Total	18,47,651

3. Remarks

The role played by IITBHF through these endowments to enhance the research infrastructure has been very significant. IIT Bombay deeply appreciates the generous contributions Alumni in US.

IIT BOMBAY HERITAGE FUND NAMED SCHOLARSHIPS

In the year 2006-2007, IITBHF had transferred funds for 13 new endowed scholarships for B.Tech./Dual Degree students of IITB, raising the total number to 91 Endowed Scholarships. The details are appended.

1. Funds received through IITBHF

Particulars	Date of receipt	Amount US \$	Amount Rs.
6 Named Scholarships	8 th June 1999	24,000	10,31,040
10 Named Scholarships	26 th April 2000	40,000	17,41,600
10 Named Scholarships	2 nd Dec 2000	46,700	21,76,834
9 Named Scholarships	2 nd Dec. 2000	36,300	16,92,057
8 Named Scholarships	5 th Feb 2001	32,000	14,81,725
1 Named Scholarship	8 th March 2002	4,000	1,94,640
1 Named Scholarship	17 th Sept. 2002	4,000	1,92,200
5 Named Scholarships	14 th Nov. 2002	20,000	9,57,976
9 Named Scholarships	13 th March 2003	36,000	17,02,080
5 Named Scholarships	23 rd July 2003	20,000	9,18,200
6 Named Scholarships	1 st July 2004	28,000	12,77,360
Additional amount from Kishor Kulkarni	1 st July 2004	2,000	91,240
Additional amount from Deepak Kamath	1 st July 2004	4,000	1,82,480
2 Named Scholarships Abraham Thomas	21 st Jan. 2004	8,000	3,60,560
5 IITBHF Scholarships	9 th March 2005	25,000	10,86,500
Rajendra Agarwal	9 th March 2005	4,000	1,73,840
Additional amount from Kishor Kulkarni	9 th March 2005	2,000	86,920
13 Named Scholarships	4 th January 2006	65,000	30,08,530
Total		401,000	1,83,55,782

2. Scholarship details

The Institute Scholarship committee has awarded these scholarships to students from July 2006 to April 2007(Academic year 2006-2007). The scholarship amount per scholarship is Rs. 1000 per month for 10 months.

I year B.Tech/Dual Degree

Sr. No.	Roll No.	Name of the Student	Name of the Scholarship	Sponsored
1	06005017	Arpit Masheshwari	Dr. G.V.Bakore Memorial Scholarship	Ravi Apte
2	06005018	Aditya Somani	Shri Raman K Rao Scholarship	Raman Rao
3	06007017	Sanket Kabra	R N Limaye Scholarship	Dilip Limaye
4	06005009	Gaurav Parashar	Miss A. J. Majmundar Schp	Raj Mashruwala
5	06004038	Abhinav Anup	IIT Alumni@Microsoft Scholarship	IITBalumni@Microsoft
6	06005020	Saransh Gupta	-do-	- do -
7	06005008	Sanyam Goyal	-do-	- do -
8	06007032	Mallu Harish Reddy	Ashish Prasad Nandi Majumdar Scholarship	Dev Purkayastha
9	06007016	Pradyot Porwal	Kumar & Susan Shah Scholarship	Kumar & Susan Shah
10	06d11029	Deepak Vadera	C Vimla & M R K Menon Scholarship	Rajesh Radhakrishnan
11	06d07039	Shobraj	Prof. G. N. Revankar Scholarship	Deepak Sabnis
12	06026010	Tanuj Saxena	Subodh Ghonge Scholarship	Subodh Ghonge
13	06011031	Akshay Niranjana	Mr. G M Nabar Scholarship	Prafulla Nabar
14	06d10040	Arvind Krishna	Manohar & Sunita Kamat Scholarship	Deepak Kamat
15	06007019	Anuj Jain	Dr. Chandrakant Thanawalla Scholarship	Sukumar Thanawalla
16	06011006	Patil Niranjana Ramesh	H J Talsania Scholarship	Abhay Talsania
17	06002050	Rohan Gupta	Ruyintan & Monica Mehta Family Foundation Schp	Ruyintan Mehta
18	06d01017	Nek Sharan	Manohar & Sunita Kamat Scholarship	Deepak Kamat
19	06d02006	Gaikwad Rohankumar	Ruyintan & Monica Mehta Family Foundation Schp	Ruyintan Mehta
20	06512012	Abhisek Sen	Abraham Thomas Schp.	Abraham Thomas
21	06D05014	Kasula Samhita Reddy	Dina Nath & Gayatri Nath Scholarship	Samir & Vinaya Kapoor
22	06D07033	Sai Priya Mahajan	Dr P Remadevi Menon Memorial Schp.	Vinod Menon
23	06408805	Rajashree Barve	Prabhakar and Pratibha Mulekar Schp.	Narendra Joshi
24	06d04004	Valentine Victor Gargose	Vijaya Patil Scholarship	Uday Patil
25	06005013	Shashank	N S Rajaraman Scholarship	Rajesh Rajaraman
26	06d07023	Padmawar Aditya Abhay	Prof M V Hariharan Scholarship	Deepak Sabnis
27	06d07031	Himesh Joshi	Anonumous Scholarship	IITBHF(Subodh Ghonge)

				Anonumous
28	06d10013	Kawale Amey Narendra	Anonumous Scholarship	"
29	06d11034	Ankur Mishra	Mrs. Meenakshi Vishwanathan Scholarship	Vishwanathan Bhalchandra
30	06002008	Manan Pathak	Chamanlal and Labhkunwar Kothary Shp.	Niraj Shah
31	06304005	Kajal Dubey	Prabhakar D Mahajan Scholarship	Milind Mahajan
32	06304012	Arpita Mondal	-do-	- do -
33	06307025	Roswald Francis	Subha & Anand Talwalkar Schp.	Niranjan Talwalkar
34	06307423	Shailendra Singh Yadav	-do-	- do -

II year B.Tech/Dual Degree

35	05002018	Dhruv Tiwari	Jagjivan Ujamshi Talsania Schp	Abhay Talsania
36	05002045	Abhinav Priyadarshi	Vasant Himatlal Talsania Schp	Abhay Talsania
37	05002019	Aniket Kasliwal	Indira Manudhane Scholarship	Avi Nash Manudhane
38	05010010	Tarun Gupta	Vidyadhar and Radhika Kulkarni Scholarship	Noorali Sonawalla
39	05d26003	Rohit Garg	Mr. Badruddin Sonawalla Scholarship	Dev Purkayastha
40	05d07020	Jopshi Ameya	David J. Dunn Scholarship	Ravi Apte
41	05d10038	Anish Aryan	Shri C.K. Apte Scholarship	Ravi Apte
42	05001008	Anup Maheshwari	Dr. Vijaya Apte Memorial Scholarship	- do -
43	05005018	Chaitnya Amdekar	T. R.S. Anand and Bhanumati Anand scholarship	Pradeep Anand
44	05010044	Bhrugumalla Sai Sunil	Mr and Mrs Ranaganathan Scholarship	Giridhar Iyengar
45	05007008	Aditi Goyal	Jayant Sathe Scholarship	Jayant Sathe
46	05010003	Apoorv Kalyankar	Mr Balkrishna K. Mundhe	Rajiv Mundhe
47	05d07037	Bamdev Mishra	Sandra Lee Purkayastha Scholarship	Dev Purkayastha
48	05011009	Jitendra Singh Mavalia	IIT Alumni@Microsoft Scholarship	IITBalumni@Micro soft
49	05010010	Abhishek	-do-	- do -
50	05007027	Ranjan Panda	-do-	- do -
51	05005024	Pranav Kashyap	IIT Bombay Heritage Fund Schp.	IITB Heritage Fund
52	05010033	N C Kalyan Raghu	IIT Bombay Heritage Fund Schp.	- do -
53	05002016	Kamlesh Melana	Indira Manudhane Scholarship	Avinash Manudhane
54	05002047	Siddharth Kumar	Soonu Dadyburjor Scholarship	Dady Dadyburjor

III year B.Tech/Dual Degree

55	04002026	Prabhu Arun Laxman	Burjor S. Dadyburjor Scholarship	Dady Dadyburjor
56	04d07022	Abhishek Govind Patil	Samir Shah - Prakash Peres Memorial Scholarship	Class of 1985
57	04026014	V Anuradha	Mr. Shantilal H. Goradia Scholarship	Tarak Goradia
58	04026016	Vamsi Pritham Pingali	Abraham Thomas Schp.	Abraham Thomas
59	04005024	Prasang Upadhyay	IIT Bombay Heritage Fund Schp.	IITB Heritage Fund
60	04005026	Vivek Upadhyay	IIT Bombay Heritage Fund Schp.	- do -
61	04d07018	Sharayu A Moharir	Mr. S.S. Shiralkar Scholarship	Bharat Shiralkar
62	04d04010	Agrawal Ruchika	Kanitkar scholarship	Jayant Kanitkar
63	04d11024	Anubhav Verma	Rajesh Radhakrishnan Scholarship	Rajesh Radhakrishna
64	04d10003	Siddharth Chadha	Vidyadhar and Radhika Kulkarni Scholarship	Vidyadhar Kulkarni
65	04026017	Vijay Mohan K Namboodri	Lata Vijaykar Schp	Sandeep Vijayakar
66	04d07020	Hitendra Rohra	Mrs. Minaz Sonawalla Scholarship	Noorali Sonawalla
67	04002028	Rao Chaitnya	Usha Purkayastha Scholarship	Dev Purkayastha
68	04011025	Pulkit Jain	Nagesh C. Chaudhari Scholarship	Dev Purkayastha
69	04010034	Deep Gupta	Mr S. J. and Mrs S.S. Kulkarni Scholarship	Abhay Kulkarni
70	04007004	Abhijit Gupta	Gajendra Chandra Malakar Scholarship	Dev Purkayastha
71	04d02019	Abhinav Arora	IIT Alumni@Microsoft Scholarship	IITBalumni@microsoft

IV year B.Tech/Dual Degree

72	03d07013	Varun Lunia	George Tharakan Scholarship	George Tharakan
73	03007018	Mohit Gupta	Mrs. Ila Chandrakant Scholarship	Sunil Shah
74	03004002	Shreesh Mishra	Dr. Kishor M. kulkarni Scholarship	Kishor Kulkarni
75	03d01005	Goswami Kaushik	Prof. Mohan M. Kulkarni scholarship	Kishor Kulkarni
76	03007009	Neeraj Huddar	Prof. K. Shankar Scholarship	Deepak Sabnis
77	03d04004	Archit Prakash	Abbas Bhatia/ John A. Martin Jr. Scholarship	Hussain Bhatia
78	03004004	Siddharth Chauhan	Prabhakar D. Mahajan scholarship	Milind Mahajan
79	03d04008	Ashna Chopra	-do-	Milind Mahajan
80	03d04006	Aditya Jain	Kanitkar scholarship	Jyant Kanitkar
81	03011008	Hitesh Manwani	Madho & Radha Agarwal Schp	Dwarika Agarwal
82	03007002	Sandeep Anand	Suresh & Varsha Nihalani Schp	Suresh Nihalani
83	03007008	Lokesh Kumar Singh	Suresh & Varsha Nihalani Schp	-do-
84	03d05004	Swati Goyal	Himangshushekhar Purkayastha Scholarship	Dev Purkayastha
85	03d02001	Arpit Khandelwal	Mr. Kasamali Virani Scholarship	Noorali Sonawalla

86	03d05005	Sanchit Kumar Garg	Bijoya Chaudhari Scholarship	Dev Purkayastha
87	03026004	Pavan Hosur	Lionel J D'luna Scholarship	Lionel D'luna
88	03002040	Praveen Agrawal	Bibha Nandi Scholarship	Dev Purkayastha
89	03d10005	Peeyush Agrawal	Dwarka Nath Shuklo Baidya Scholarship	Dev Purkayastha
90	03d11014	Jaisree Iyer	IIT Bombay Heritage Fund Schp.	IITB Heritage Fund
91	03007037	Deepak Merugu	Mr Roop Kumar & Mrs Suraj Devi Agarwal Schp.	Rajendra Agarwal
92	03005005	Shaunak Godbole	Mr. Digamber and Nilima Joshi Schp.	Narendra Joshi
93	03d02010	Onkar A Dalal	Anisbert & Kumarie Sequeria Schp.	Samir & Vinaya Kapoor

Utilization

The scholarships for the academic year from July 2006 to April 2007 awarded to 76 students.

From July 2006 to June 2007 awarded to 4 students and 13 students were awarded from January 2007 to April 2007.

Amount allotted for scholarships:

No. of Scholarships	Scholarship amount per month	Period	Total Scholarship
72	Rs.1000	10 Months(July.06 to April 2007)	720,000
4	Rs.1500	10 Months(July.06 to April 2007)	60,000
2	Rs.1000	12 Months(July.06 to June 2007)	24,000
2	Rs. 500	12 Months(July.06 to June 2007)	12,000
13	Rs. 1000	4 Months(Jan.07 to April 2007)	52,000
		Total:	868,000

CLASS OF 1972 – “ENDOWMENT FOR HOSTEL MAINTENANCE”

The Alumni from the "Class of '72" have set up an Endowment fund for Hostel maintenance- through Alumni donations.

Funds received from alumni through IITBHF and alumni in India

Particulars	Year	Date of receipt	Amount US \$	Amount Rs.
Alumni IITBHF	1998	22 nd Sept '98	22,000	9,30,380
Alumni IITBHF	1999	18 th October '99	7,800	3,37,272
Alumni India	1997 – 98		0	7,77,501
Alumni India	1998 – 99		0	83,701
TOTAL			29,800	21,28,854

The amount was invested in a Fixed Deposit and the interest earned was transferred to Hostel Development Fund as and when required.

CLASS OF 87 - "ENDOWMENT FOR FACULTY DEVELOPMENT"

The Class of '87 had started a fund collection drive at the time of their tenth year re-union. The funds were targeted at Faculty development. Funds were raised in India and US; the statement below gives the current position of the endowment.

Funds received from alumni in US through IITBHF and alumni in India

Particulars	Year	Date of receipt	Amount US \$	Amount Rs.
Alumni in US	2000	26th April, 2000	26,115.28	11,37,059
Alumni in India	1997 - 98		0	2,37,101
TOTAL			26,115.28	13,74,160

The amount was invested in a Fixed Deposit and the interest earned was transferred to Faculty Development Fund.

ENDOWMENT FOR MADHURI SINHA CHAIR – DONATED BY DR. SINHA

Dr. Krishna K. Sinha, Clinical Professor of Medicine, University of Colorado, Denver, has donated funds {through IIT Bombay Heritage Fund (IITBHF)} for creating **Madhuri Sinha Chair** in the School of Biosciences and Bioengineering at IIT Bombay.

IIT Bombay has appointed Dr. Chaukar and Dr. Lokhandwala as adjunct professors on the Madhuri Sinha Chair.

The School of Bio-Sciences & Bio-Engineering, (formerly known as BJM School of Bio-Sciences & Bio-Engineering) has been considerably enriched by the association of the two professors jointly appointed as the “Madhuri Sinha Chair Professors”. Initially their appointment was for two years, extended for two more years and again extended for two more years.

A: Funds received through IITBHF

Donor	Year	Date of receipt	Amount US \$	Amount Rs.
Dr. Krishna Sinha	2002	8th March, 2002	58,000	28,22,280
Dr. Krishna Sinha	2003	13th March, 2003	42,000	19,90,800
TOTAL			100,000	48,13,080

Utilization:

Name of the Chair Professor	Date & Period of appointment	Consolidated salary per month (Rs.)	Total salary for the year 2005 (Rs.)
Prof. A.P.Choukar	July 2001– July 2007	23,000	2,76,000
Prof. Y.Y.Lokhandwala	July 2001– July 2007	18,000	2,16,000
		Total	4,92,000

KANWAL REKHI SCHOOL OF INFORMATION TECHNOLOGY

Ms Raj Kaur Rekhi M Tech Endowment for KReSIT : The students were supported by this scholarship. A stipend of Rs 5000 per month for 24 months & Tuition Fees Rs 21,050 per semester per student was supported from this Endowment. The following are the students who were supported from this endowment.

Name of the student	Period of the scholarship
1. Sayyaparaju Sunil	2002-2004
2. Sudeep Biswas	2002-2004
3. V. R. Mohan Mullapudi	2003-2005
4. G. Mallikarjun Reddy	2003-2005
5. Gummu Sreenivasulu	2003-2005
6. Mansuri Imran Rashidbhai	2003-2005
7. Kiran Kumar Gavini	2003-2005
8. Ashish	2003-2005
9. Pankaj E. Gulhane	2003-2005
10. Narendra Kumar Lankothu	2003-2005
11. Patil Laxmikant Suryakant	2004-2006
12. Depti Agarwal	2004-2006
13. Satyavrata Pradhan	2004-2006
14. Anshu Veda	2004-2006
15. Naval Bhandari	2004-2006
16. Kushal Mittal	2004-2006

MJR Bhagat Singh Rekhi PHD Endowment for KReSIT: Mr Ashish Tendulkar, Mr Nitin Salodkar & Mr Sameer Sahasrabuddhe were supported with Mjr. Bhagat Singh Rekhi fellowship. Ashish & Nitin were selected for Infosys Fellowship and was transferred. Mr Sameer Sahasrabudhe continues in the same fellowship. A stipend of Rs 10000 per month and Tuition Fee.

MJR Bhagat Singh Rekhi Chair Endowment : The chair is yet to be appointed. Based on discussion with Mr Kanwal Rekhi, we plan to utilize the funds -until the chair is filled- to host distinguished visitors to the school.

Donation received from Kanwal Rekhi through IITBHF

Particulars	Date of receipt	Amount US \$	Amount Rs.
Mjr.Bhagat Singh Chair	2 nd December 2000	130,468	60,81,538
Mjr.Bhagat Singh Ph.D Fellowship	2 nd December 2000	214,532	1,00,00,000
Raj Kaur Rekhi M.Tech.Scholarships	2 nd December 2000	100,000	46,61,315
Total		445,000	2,07,42,853

Utilization :

		Amount Rs.
Mjr.Bhagat Singh Chair	None	0.00
Mjr.Bhagat Singh Ph.D Fellowship		1,80,000.00
Raj Kaur Rekhi M.Tech.Scholarships		3,02,950.00
	Total	4,82,950.00

The Endowment was invested in a Fixed Deposit and the interest transferred to meet the expenditure. The balance of interest was re-invested.

SHAILESH J MEHTA SCHOOL OF MANAGEMENT

Report on the Shailesh J Mehta Endowments for the year 2006

A total amount of US \$ 1,476,224 (Rs. 6,89,99,968, or approximately Rs. 69 million) was received from Dr Shailesh Mehta towards creating endowments at IIT-Bombay. An amount of approximately Rs. 25 million has already been spent as part contribution towards the creation of a modern residential facility for continuing education. The remaining amount of Rs. 44 million was used to create six different endowments for different purposes. The following table describes the six endowments created, and the allocation of corpus to each.

Endowments and allocation of corpus

Description of endowment fund	Corpus allocation (Rs.)
Best teacher award in management	1,00,000.00
Scholarships (PhD and Master of Management)	1,32,00,000.00
Promotional activities including distinguished lectures	20,00,000.00
Development: School development and faculty development, including faculty exchange	1,87,00,000.00
Shailesh Mehta Chair	70,00,000.00
Student activities	30,00,000.00
Total	4,40,00,000.00

Every year, interest income from the corpus associated with the different funds is used to support activities of the School. The following table provides information regarding the expenditure incurred for the calendar year 2006.

Expenditure for the different activity elements

Description of Endowment Fund	Expenditure in Rs.
Best teacher award in management	10,001.00
Scholarships (PhD and Master of Management)	4,98,484.00
Promotional activities including distinguished lectures	1,61,052.00
Development: School development and faculty development, including faculty exchange	6,07,066.00
Shailesh Mehta Chair	0.00
Student activities	4,82,468.00
Total	17,59,071.00

There is some unspent balance and was re-invested along with other endowments.

Filling the Shailesh Mehta Chair remains a priority for the School, as this is the one component of the various endowments that is, at the moment, not being utilized. In this regard, we have had some discussions with the FAN network for possible filling the Chair on a rotating basis, if an individual cannot be found on a full-time basis.

ENDOWMENT FOR CHAIRS AND FELLOWSHIPS IN THE DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

I. Introduction

Dr. Vincent Fernandes, Alumni 1975, donation of \$ 244,058 in October 30 2001 for a Chair Assistant Professor and two fellowships for Dual Degree students.

Dr Vijay Vashee, Alumni 1985, donated \$300k in March 8, 2002 for a Chair Professor and two fellowships. He has further given \$50,000 in September for Excellence in Research awards and \$ 59973 in Sep.17 2002 for Thomas Dooie fellowship for a Dual Degree student.

II. Activities Undertaken

1. Vijay and Sita Vashee Chair Professor:

Prof. Krithivasan Ramamritham has been appointed the **Vijay and Sita Vashee Chair Professor from July 2003.**

2. Fellowships from Vijay Vashee's Endowment :

A part of the endowment has been used to support THREE fellowships for the post graduate students of CSE department.

- (i) Ajay Vashee Fellowship for PG Student, if any registered for a project with the Vijay & Sita Vashee Chair Prof. or to any eligible student in CSE dept. awarded to **Pavan Edara .**
- (ii) Nilesh Vashee Fellowship for PG student working in the CSE dept. awarded to **Bhavana Bharat Dalvi Roll No. 05305001.**
- (iii) Thomas Dooie, class of 1974 Fellowship, for a DD student in CSE dept. awarded to **Juvekar Sudeep Dilip Roll No.02D05004.**

3. Research Excellence Awards

A part of the endowment from Dr. Vijay Vashee is being used to set up annual excellence awards for outstanding research performed in the area of Computer Science and Engineering. None was selected so far.

4.The James R Isaac Assistant Professor Chair position is not occupied by none.

5. Fellowships

Dual Degree Fellowships:

Two fellowships for the dual degree students have been instituted from the funds donated by Dr. Vincent Fernandes as detailed below.

- (i) Dr George B Fernandes Fellowship for DD student, if any registered for a project with James R Isaac Chair Asst Prof, or to any eligible student in CSE department awarded to **Prijat Garg Roll No. 02D05002**.
- (ii) Dr. Winifred A Fernandes Fellowship for an eligible female DD student in CSE department, if one exists or any eligible student in CSE department awarded to **Deepali Singla Roll No.02D05001**

C. FINANCIAL STATEMENT

I. Vijay Vashee Donation

Donation received through IITBHF

Donor	Date of receipt	Amount US \$	Amount Rs.
Vijay Vashee	8 th March, 2002	300,000	1,45,98,000
Vijay Vashee	17 th Sept., 2002	59,973	28,84,088
Total		3,59,973	1,74,82,088

Details of the Donation received

Donor	Purpose	Amount (in Rs.)
Vijay Vashee	Endowment for Vijay and Sita Vashee Chair	85,15,500
Vijay Vashee	Endowment for two Ajay Vashee fellowships	46,22,700
Vijay Vashee	Endowment for Thomas Dooie fellowship for Dual Degree student	19,39,399
Vijay Vashee	Endowment for Vijay Vashee Excellence awards	24,04,489

Expenditure Statements Vijay Vashee Donation

Endowment	Name of the recipient	Amount	Period	Expenditure (in Rs.)
Vijay and Sita Vashee	Prof. Krithivasan		January 2006 to	

Chair-professor	Ramamritham		December 2006	
Ajay Vashee Fellowship	Pavan Edara	Rs.1,000 Per month	January 2006 to May 2006	5,000
Nilesh Vashee Fellowship	Bhavana Bharat Dalvi Roll No. 05305001	Rs.1,000 Per month	January 2006 to June 2007	18,000
Thomas Dooie class of 1974 Fellowship	Juvekar Sudeep Dilip Roll No.02D05004	Rs.1,000 Per month	January 2006 to June 2007	18,000
			Total	8,06,343

II. Vincent Fernandez

Donation received from through IITBHF

Donor	Purpose	Date of receipt	Amount US \$	Amount (in Rs.)
Vincent Fernandez	Endowment for Prof. J. R. Isaac Chair Asst. Prof. and 2 fellowships	30 th October, 2001	244,058.60	1,16,73,348

Expenditure Details of Prof. J. R Isaac Chair and Fellowships

	Name of the Chairprofessor	Amount	Period	Expenditure (in Rs.)
Prof. J. R Isaac Chairprofessor	None			0.00
Dr. George B. Fernandes Fellowship	Prijat Garg Roll No.02D05002	Rs.1,000 Per month	January 2006 to June 2007	18,000
Dr. Winifred A. Fernandes Fellowship	Deepali Singla Roll No.02D05001	Rs.1,000 Per month	January 2006 to June 2006	18,000
			Total	36,000

PROF. S. P. SUKHATME ENDOWMENT FUND

1. Introduction

During the alumni day in December 1999, few alumni got together and decided to institute an endowment fund in the name of 'Prof. S. P. Sukhatme', who has immensely contributed for the growth of the institute, in his capacity as professor of Mechanical engineering department and as the Director of the institute.

2. Proposed utilization of funds

IIT Bombay is now in the fifth decade of functioning and it would be celebrating its golden jubilee in the year 2008. Therefore, it is felt that the records of history and important events of the institute should be documented in a systematic and proper fashion and preserved digitally. The history of the institute needs to be documented in a structured manner. The matter is being discussed and some preliminary concepts are being crystallized. Prof. S. P. Sukhatme has expressed his desire to utilize this endowment for the archival purpose of IIT Bombay.

Prof. Rohit Manchanda was appointed to write the history book of IIT Bombay which is scheduled to be published as part of the Golden Jubilee celebrations. Ms.Damayanti Bhattacharya and Ms.Swagatika Mishra were also appointed for the above purpose.

3. Details of Funds Received

Donor	Amount USD	Amount Rs.
Kanwal Rekhi	55,000	25,63,724
Alumni in India	0.00	6,43,500
Total	55,000	31,98,224

The amount was invested in a Fixed Deposit and the interest was utilized.

Rakesh Mathur- Endowment for Academic Excellence Awards

IIT Bombay Heritage Fund had transferred **US\$ 161,000** in July 2003 to set up endowments for three Annual Excellence Awards. The amount realized was **Rs.73,91,510/-** and invested in a Fixed Deposit.

Endowment for Prof.S.C.Bhattacharyya Award	\$60,000	Rs.27,54,600
Endowment for .Prof.H.H.Mathur Award	\$60,000	Rs.27,54,600
Endowment for Rakesh Mathur Excellence Award	\$41,000	Rs.18,82,310

The Search-cum-Selection Committee recommended none for

Prof. S.C.Bhattacharya Award for Pure Sciences.

Prof. Tarun Kant, Dept. of Civil Engineering and **Prof. N.K.Nayak** Dept.of Aerospace Engineering for **Prof. H.H.Mathur Award for Excellence in Applied Sciences.**

Rakesh Mathur Excellence Award was awarded to **Mr. Sushant Sachdeva** III year UG student.

Nitish Thakor - Excellence Award for School of Bio-Sciences & Bio -Engineering

IIT Bombay Heritage Fund had transferred US\$ 2000 in July 2003, \$3000 transferred in January 2004 and \$ 2,000 in March 2005 towards Endowment for Nitish Thakor Excellence Award in School of Bio-Sciences and Bio-Engineering. It is recommended that the award amount will be utilized as research grant for the student.

US \$ 2000 realised was **Rs. 91,820** ,

US \$ 3000 realised was **Rs.1,35,200** and

US \$ 2000 realised was **Rs. 86,920**.

Total comes to US \$ 7,000 and **Rs. 3,13,940**.

The total amount was invested in a Fixed Deposit and the interest amount was utilized to give the award during the years 2004-05, 2005-06 and 2006-07.

The award was given to Mr. B. Sivakumar Roll No. 03330012. 2003-05 batch awarded in 2005. Mr. Dhananjay Patil Roll No.04330007 2004-05 batch awarded in 2006. and Ms. Vaibhavi Yatin Shah Roll No.05330402. awarded in 2007.

Ryan Limaye - Endowment for Academic Excellence Awards

IIT Bombay Heritage Fund had transferred **US\$ 15,000** in July 2003 and **US\$ 5,940.61** in March 2005 for Dilip R.Limaye Excellence Award.

The amount **(\$15,000)** realized was **Rs.6,88,650** out of this **Rs. 50,000** utilised for giving the Award for the year 2002-03. Balance amount **Rs.6,38,650** invested in a Fixed Deposit. The amount **(\$5,940.61)** realized was **Rs.2,58,186** invested in a Fixed Deposit.

Shri Dilip R.Limaye Academic Excellence Award for the year 2006-07 awarded to Mr. Yashodhan Kanoria, B.Tech. Electrical Engineering, who won the President of India Gold Medal.

CONTRIBUTIONS RECEIVED DURING THE YEAR 2006

IIT Bombay Heritage Fund had transferred US\$ 2862.33 in January 2006, for Alumni Association towards Class of '80 reunion registration fee. The amount realized was **Rs. 125,742.00 and was transferred to Alumni Association Account.**

In July 2006 US \$ 83,800 transferred from IITBHF towards 13 named scholarships and Hostel – 7 fund. The amount realized was **Rs. 38,78,690.00** The scholarship amount was transferred to Endowment fund and invested in a Fixed Deposit. Hostel – 7 Fund transferred to respective head of accounts.

In September 2006, US \$ 6,900 transferred from IITBHF for Alumni Association towards Class of '81 Silver Jubilee registration. The amount realized was **Rs. 312,955.00 and was transferred to Alumni Association Account.**

Concluding remarks

Interest on several endowments is inadequate to meet the originally stated purpose. The endowments on scholarships and Chair professorships do not yield adequate amount. It has now become imperative for the key functionaries of IIT Bombay as well as the Directors of IIT Bombay Heritage Fund to look at some of the existing endowments and examine how best we can either ensure continuity of activity or integrate the activities between several endowments.
