

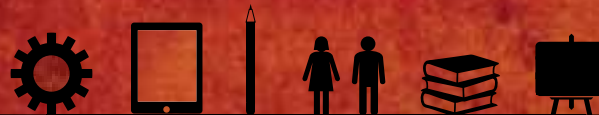
# A Road Map for Global Eminence



Research



Education & Training



Industry Relations



Innovation & Entrepreneurship



Student Life



Infrastructure Development



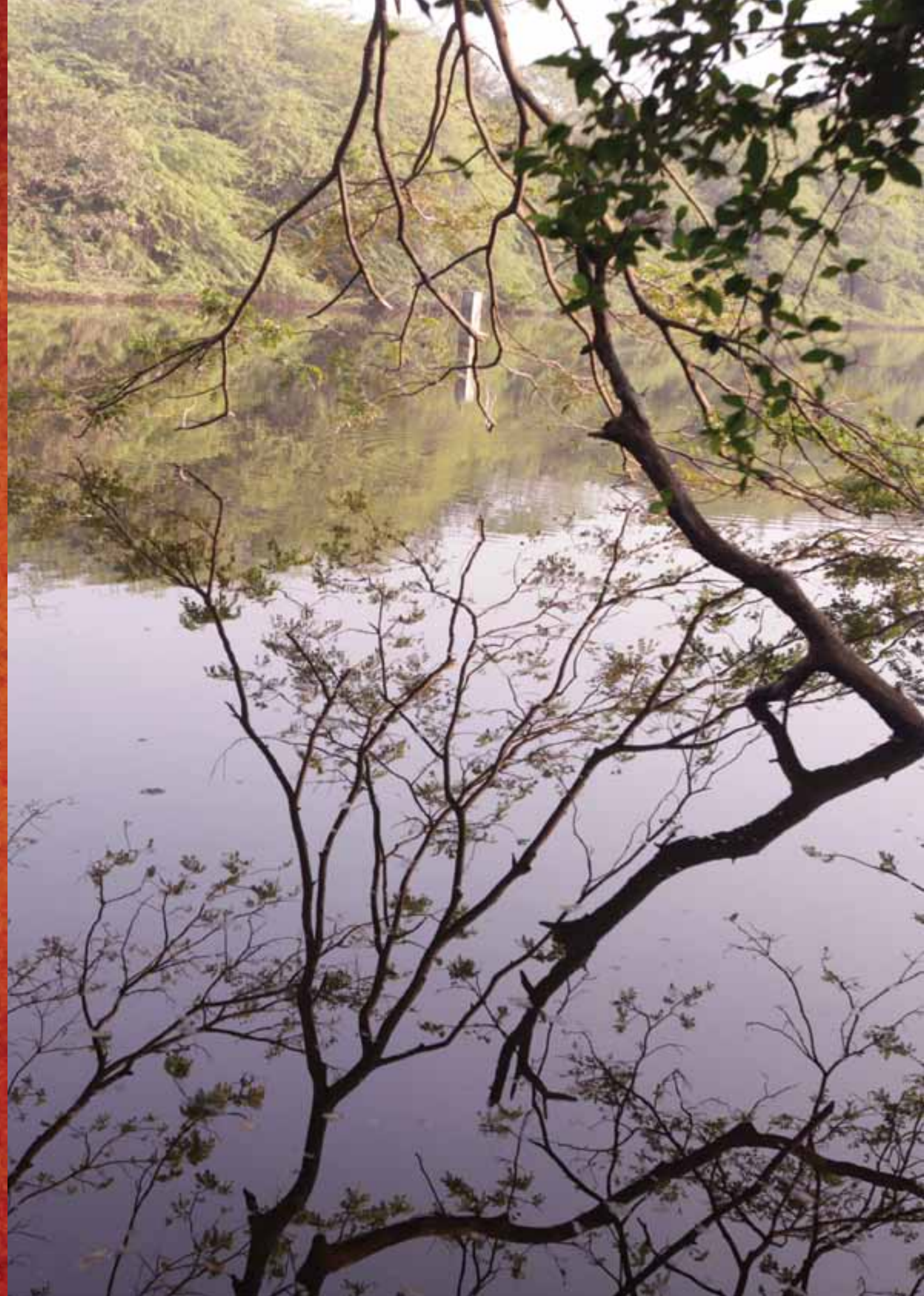
Internationalisation



International & Alumni Relations









## Mission

To be an academic institution in dynamic equilibrium with its social, ecological and economic environment, striving continuously for excellence in education, research and technological service to the nation

## Vision

To pursue excellence in:

- Teaching - developing human resources in the service of the nation
- Research
- Consultancy, and
- Helping to improve technical education in the country



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# I & AR Mission & Vision

## Serve as outward-facing window from the Institute to the Alumni:

- act as primary interface from Institute to alumni-at-large
- authorize alumni access to campus facilities
- administer Distinguished Alumnus Award program
- administer Travel Grant program, etc.

## Drive Institute-related fund-raising activities among alumni:

- devise fund-raising strategy
- coordinate fund-raising activities
- ensure timely deployment of funds
- report to Institute and back to donor regarding status of funded projects

## Register graduating students into the alumni database:

- enroll students into the database
- provide permanent alumni e-mail ID
- maintain and grow database
- provide database access on as-needed basis

## Serve the student community:

- administer scholarships and awards
- solicit alumni funds towards student travel, facilities, projects, etc.
- facilitate student mentoring by alumni

## Serve the faculty community:

- promote interactions between visiting faculty and local alumni
- promote campus and department visits by alumni
- promote research & consultancy relationships between faculty & alumni

## Serve the alumni community:

- support networking activities and events, such as reunions
- support alumni communications, such as monthly newsletter
- support alumni registration in database
- work closely with IIT Madras Alumni Associations (IITMAA, IITMAANA, etc.) on alumni-related matters
- support PanIIT activities (e.g., Club) and events (e.g. Annual Meets)



L to R: Dhanasekar, Kavitha, Jafar, Suresh, Uthay, Deepika, Joseph Thomas, Ilavarasi, Arvind, Prof. Nagarajan, Thara Ganesan, Kalpana, Vadhana, Archana, Vijayavani, Nirmala, Saravanan, Mani, Kalaivanan



I am delighted to pen this message for the 2014 Giving Report of IIT Madras. We are always proud of the achievements of our alumni who excel in so many different walks of life. A glance through this report will make it abundantly clear that their identification with their alma mater, which played a major role in making them what they are, is complete. It is heartening that they are being joined by an ever-increasing band of “Friends of IIT Madras”. The breadth and scope of their contributions to the Institute is staggering, and their impact on its students and faculty lasting. It might seem superfluous to thank one’s own family, but we must say what is due: the Institute is ever grateful for all the contributions made by its alumni and friends to help achieve the objectives it has set for itself in the Strategic Plan 2020.

The generosity of our alumni and friends crossed new milestones this year. And it is not a case of “give it and forget it”. The donors have taken a deep interest in the outcomes that enable the Institute to achieve its strategic targets. Hence the giving for research – a new category of Distinguished Chairs with global-level endowments to enable the Institute to create a world-class group in the emerging area of computational neuroscience, a Chair in Biomedical Engineering, and funding for specific research projects, such as the Student Satellite Project, that would not have got support otherwise.

With the growth in student and faculty strength, there is an ever-increasing need for scholarships and travel grants. The long-standing support programs in this regard witnessed significant accretions that enabled us to ensure that all deserving students were provided the support they needed. Many new awards for students who excel in the different disciplines go a long way in encouraging students to aim for the stars.

Our faculty members are young and ambitious, and deserve a pat on the back when they excel. The awards instituted for excellence in teaching and research, and the endowments for Institute Chairs that recognize the stalwarts, are important “energizers”. We are grateful to the donors for these, and request that many more Chairs be endowed so that we can recognize our role models.

There is a surge of interest in entrepreneurship, and the Institute has responded by creating a vibrant incubation ecosystem. Many of our alumni are star entrepreneurs themselves, and have come forward to give of their time, money and experience to help our youngsters. The Research Park Phase II is a world-class facility that will house vastly-expanded incubation facilities. We look forward to our alumni and friends to contribute generously to help us create the incubation infrastructure our start-ups deserve.

Industry has shown interest in sponsoring research labs and projects with social impact through CSR. The “Centre for R2D2” is a shining example of the far-reaching vision of our alumni in industry.

Our students need welcoming social spaces in the hostel zone to enable them to discover the joys of camaraderie and teamwork. Quark v2, made possible by our alumni, promises to be a game-changer in this respect.

IIT Madras continues to grow its international linkages with top universities across the world, through student exchange, joint research and joint Ph.D. programmes. Alumni support has been a key enabler in helping us maintain the pace of growth.

Nary a day passes without a visit to our campus by a distinguished person – several, of course, are our alumni as well. Our students enjoy their talks, and the opportunity to interact and learn from them. Distinguished Alumni are our crown jewels, and our students and faculty look forward to their every visit.

It is always special when alumni and friends invest in the Institute’s future by contributing to the Endowment we are in the process of building. We are grateful to the donors for making a bold statement of implicit faith in the Institute’s future, and for being a lodestar for the ones to follow.

Giving takes many forms, all of which are invaluable. IIT Madras is privileged to receive so much from so many. Above all, we bask in the knowledge that our alumni and friends care– for us, and for what we are striving to achieve. We cherish every one of these relationships, and look forward to the creation of many more in the future.

2014 has been a breakthrough year for us in fund-raising, as we broached the ₹ 20 crore (\$4M) mark for the first time. This year’s inflow was nearly double that of any previous year, signaling the trust and confidence that donors are placing in the Institute and in the systems in place to ensure proper utilization of contributions received. We have also seen a few interesting transitions happen during this period:

- Broadening of donor base beyond alumni: As this Report describes, “friends of IITM” now include non-alumni individuals, as well as corporate, industry and Foundations. While our alumni remain our steadfast companions in the Development journey, this reinforcement of the donor base is crucial if we are to succeed in our “Strategic Plan 2020” goal of raising a ₹500-1000 cr (\$100-200M) corpus by 2020.
- Significant rise in number of large donors based in India: While historically, nearly 70% of contributions have originated outside India, recent years have seen a reversal in the trend, with 2014 being a clear example. Several significant contributions this year have had their genesis in India, indicating a nascent give-in-India sentiment that needs to be nurtured.
- R & D-related contributions on the increase: While campus infrastructure and student amenities

continue to attract funding, there is a deepening appreciation of the need to fund the translation of faculty and student-driven research into products and services for societal benefit. Pilot-studies and scale-up efforts are beginning to attract targeted funding, especially in a CSR (corporate social responsibility) context.

- First-time donors swell in number: Another metric that measures donor commitment is the number of new donors added on an annual basis. 2014 saw a record number of new donors show up and shore-up the fund-raising campaign. This augurs well for the future, as we hope to convert first-time donors into repeat donors.
- Distinguished Chairs raise the global profile of IITM: Finally, the singular contribution of our alumnus, Kris Gopalakrishnan, needs a special mention. His gesture of setting up 3 “Distinguished Chairs in Computational Brain Research” has enabled us to begin recruiting international researchers of renown in this cutting-edge area. As someone who has partnered with us, monetarily and in so many other ways, through our journey, we owe him a big “Thank You!” May his tribe grow, prosper and help their alma mater thrive!



Message from  
Prof. Bhaskar Ramamurthi  
Director, IITM



Message from  
Prof. R Nagarajan  
Dean, I&AR

# Giving & Beyond

There is hardly anyone that does not remember their college days as 'the best days of their lives'. An institution that is deliberate in providing a stimulating learning environment and focuses on molding intellectual, socially responsible young adults with a passion to embrace life, deserves this place of pride in the hearts of its alumni. IIT Madras is one such institution. It gives its students a rich amalgam of formal and non-formal education that combines academic knowledge, non-academic exposure, industry experience, research opportunity, and chance at entrepreneurship. Successful alumni who make up some of the best minds in the world see this as the bedrock from which they launched themselves into the world. They are keen that others should have the same opportunities and reap the same rewards. And so they give back both money and time to support the next generation of students and alumni.

Alumni play a large role in determining the future and continued development of an institution. Regular contributions and funding help sustain innovative programs and initiatives that enhance the quality of education at the institution and therefore its stature. It is said that alumni donations are the definitive test of a graduate's love for their alma mater. A high level of alumni participation in annual fundraising and volunteering signifies an institution that has served its graduates well by delivering on its promise of excellence in all areas. It also nets the alumni much satisfaction in knowing that they are furthering the aims of the institution that did so much to educate them and give them a good life. IIT Madras has distinguished itself by its graduates who through their giving demonstrate enduring alumni love and financial support.

## Kris Gopalakrishnan



[1977/MSc/PH & 1979/MT/CS]

### On your time at IIT Madras:

I joined IIT in 1975 and in hindsight feel very lucky to have made this decision. While in the Institute, I had lots of fun with my friends and remember those days with much pleasure.

I joined M.Sc. Physics and later M.Tech. in Computer Science at IIT. I was introduced to computers by sheer accident while studying for my M.Sc. and have since then been fascinated by what they can do. I got a solid grounding in computing while at IITM.

### Life after the Institute:

People call me a technocrat. I must admit that I am passionate about technology and get so consumed by it that I often forget everything else. I was one of the founders of Infosys and served as its CEO for 4 years. I have also been fortunate to serve on the boards of institutes like IITM and IIMB and have been President of the CII.

I have always believed that decision making is a consultative process and that it is important for the CEO to consider the views of all relevant people and make decisions in a consensus driven fashion.

I do face some stress arising from the different responsibilities that I shoulder and this is part and parcel of running any business. It is important to know just what you can control as an individual and

what is beyond your realm. It is also important to be aware of business risks and how much risk you are willing to take. It then becomes easy to make informed decisions keeping these factors in mind. Typically, the smaller the business, the more agile it is and easier the decision making. Its capacity for risk is also equally limited. That is why only 2-3 out of 10 startups succeed.

### Message to the students:

My advice to students in IIT is to make use of all opportunities given to them. Some of these can be the beginnings of a great future. Be passionate about what you like and enjoy because if your aspirations and goals align with your passion, you are certain to reach great heights. The workplace is a great environment in which to learn and your first job will give you the chance to evaluate your decision about your future. At this stage, monetary benefits are less important. Focus on doing a job that gives you the biggest learning opportunity. And be particularly conscious about building your personality and enhancing your communication skills, two important ingredients for future success.

I don't believe in looking back at the past except to learn from my mistakes. These prove to be important learnings for the future.



S Swaminathan



[1969/BT/ME]

#### Why you give back to IITM:

I believe that it is my responsibility and duty to contribute to the Institute and to the Society which made me an engineer and successful in my career. In fact, I myself was a MCM scholarship holder. In those days, if the parents could not afford the expenses of son's / daughter's education in premier Institute, it is just not possible to join and get qualified even if the person fully deserved- No Bank loans, no financial assistance from anywhere else. I just had to work very hard not just to get into IITM, but I got the second rank in southern region and 71<sup>st</sup> in All India rank to get qualified for MCM scholarship. I feel I would morally fail in my duty if I do not reciprocate adequately.

#### On your time at IIT Madras:

OAT movies are something I can remember with students coming out of daily academic pressures and having great fun on Saturdays.

A German professor for Turbo Machinery developed a set of questions for an exam. Answer for the first question was the input for the second question and the answer for the second question was an additional input to the third question and so on.. This gave us a flavor of what German education was all about- understanding of the basics, perfection and quality. Everyone can now guess- no one could reach the correct final answer! The professor agreed to conduct a special lecture to teach the process of solving the problems. Believe me there were 120% attendance for that lecture.

#### Life after the Institute:

After IITM, it was certainly a rough weather for all of us in those days- there were no suitable jobs in India those days unlike the present! We needed a different skill set to survive and make a mark on your own. It took us a very long time to fully settle in our career in those days.

#### Message to the students:

My advice would be : Don't think about initial salary to start with. Concentrate on long term goal/aspiration and develop a vision! Be rest assured, you will reach the goal if you work with passion towards the vision in mind, however difficult it could be. Move always towards the goal and you will always enjoy working with passion to achieve it.

#### Message for the faculty and alumni:

Believe on the power of one's VISION WITH MATCHING PASSION to realize it.

Giving back gives more pleasure than you realize.

#### Your future plans for interaction with IITM:

I started SSAN ANANYA TRUST and I am facing lot of administrative challenges which I am addressing one by one. My present goal is to set this going to my satisfaction. Then, I will think for any further possibilities!

N Lakshminarayanan



Non-alumnus

#### Why you give back to IITM:

I believe that the progress any firm or institution or community or the state makes is dependent on the quality and depth of leadership talent. Leaders make a disproportionate impact on results and IIT Madras has demonstrated ability to create and nurture leadership – be it technology leadership or research leadership or social leadership. The top one percent of the top one percent coming out of IITs will make a huge difference and hence my deep desire to identify and develop them.

#### On your time at IIT Madras:

For a non-student of IIT, I think I have spent a lot of time within the IIT Madras Campus. Not just in attending seminars, participating in interesting events, but also in watching games being played there as well as taking long walks within the campus. The peace and serenity that I feel once inside is unmatched and I hope I will be blessed with the continued ability to enjoy the both the physical as well as other aspects of IIT Madras.

#### Message to the students:

I would like the students in IIT to feel that they are special, act as they are special and set an example as they are special. They are really a chosen few and they represent an untold and unassigned responsibility. An

ambience that is quite unmatched, a peer group that is the best of best and a community that has great expectations, I would urge students to first think, think hard, think big and act.

#### Message for the faculty and alumni:

IIT gets its name and fame because of what the students accomplish in the real world. If a student from Chennai Mathematical Institute is cited in a Fields' Medal citation, it is a great honor for the faculty and the institution. It is therefore the duty of faculty and the alumni, to encourage big thinking, exemplary behavior and extraordinary accomplishments in any chosen field. Striving for excellence and always giving the best in everything that they do, on and off campus, must come naturally to every student and the faculty are responsible for that.

#### Your future plans for interaction with IITM:

I have been a by-stander watching the glory of this institution and praying that it continues to be a revered institution. I will pray even harder, but also celebrate the success as often as they come. I wonder if the deer in the IIT Campus have a chip on their shoulder and behave differently from other deer. It is time to experiment, get the campus deer to interact with outside brethren and see how snooty our ilk is?

IITM has received **₹1 crore** from N Lakshminarayanan,  
Vice Chairman & Ex CEO, Cognizant Technology Solutions

## V Vikram & Susan Rao



[1965/BT/MT]

### On your time at IIT Madras:

I am from one of the first few batches of IIT-Madras. I was a resident of the Krishna hostel and I have many fond memories of my life on campus. I remember we used to get hot milk in the evenings to which we would add instant coffee to keep us awake. This was the only 'extra' we could get in the student mess in those days.

I can take credit for initiating a campus magazine 'Campastimes' – a portmanteau of 'campus' and 'pastimes'. I was a regular contributor of caricatures to the magazine. I once took the insane risk of making Prof. Sengupto, the then Director of the institute, as the subject in one of my cartoons. In an angry response to a strike by the students, the Professor had earlier thundered "People think you are the cream of the Indian high school system; you are not the cream, you are the scum, though both rise to the top!" My cartoon had a caricature of the director as Lord Krishna in cowherd garb and blue face, muttering, "This is not butter, this is scum." Fortunately for me, the Director did not take offense, and laughed the cartoon off.

### Life after the Institute:

My life has been quite hectic but I enjoy being busy. Although I am now officially retired, I am still involved in a variety of activities. If you feel exactly the same way when you wake up on a Monday morning as you feel on a Friday morning, then you are enjoying your work and your life, and I do. I am

in touch with my IIT friends and I try to attend all pan-IIT reunions

### Message to the students:

You should aim for a broad learning experience during your time on campus. Attempt taking courses outside your own stream and get involved in co-curricular and extra-curricular activities. But always keep at the back of your mind that you are in IIT-Madras to become proficient engineers.

### Message for the faculty:

Courses should be modified to include practical engineering principles without undermining the communication of the essential elements. For example, Fluid Mechanics can have some emphasis on flow through porous media, and Differential Equations could integrate energy examples. For the fourth year Capstone projects, the teams should have students from multiple departments so as to reflect the industry environment where engineers from different disciplines work together on a problem.

### Message for the alumni:

Every alumnus should contribute to the community from which they have received so much. Studying in IIT is a privilege and provides a stamp that aids all our endeavours. Therefore each student should find a way to give back meaningfully.

*In an interview with Vikram Rao*

## Venky Harinarayanan



[1988/BT/CS]

### On your time at IIT Madras:

When you are 25 years beyond your IIT days, the memories are fewer but more photoshopped. The distance between now and then is perhaps best illustrated by computer facilities. When I started programming, we had to submit punch cards to an old mainframe, and wait to get results the next day. Getting access to real-time computing meant waking up at 5am, and heading over to the Computer Centre and making a reservation to get 1 hour of computer time. So in these simple times, the only entertainment at night was sitting on the wing cot, and playing chess or bridge, or just debating pressing issues of the day. Great friendships were created, and I am still very close to pretty much every one of my friends from those days. Any time we meet, we are instantly transported back to our IIT days; as if nothing has happened ever since.

### Life after the Institute:

I graduated from IITM in 1988 (84104CS). After a MS in CS from UCLA, and a job in the Silicon Valley, I graduated with a PhD in Computer Science from Stanford University in 1996. Towards the end of my PhD, there was this phenomenon called the World-Wide Web that was starting to happen around us. I still remember my office-mate, Sergey Brin, who later went on to create Google, helping me install mosaic, the first browser. Seeing all the opportunity around this new medium, along with a few other Stanford grads, I decided to start a company in 1996 that would help people find listings (products, jobs, rentals) that

were scattered on the Web. That company, Jungle, was acquired by Amazon.com in 1998. During this process, I realized I loved being an entrepreneur—creating and growing ventures from nothing. I have done this both in the context of startups and large established companies—Amazon.com's marketplace business, Amazon.com's Mechanical Turk, @WalmartLabs, Cambrian Ventures, Kosmix, Jungle, Efficient Frontier, are some of the entities I have helped create.

The most important part of being an entrepreneur is being part of a team. In that I have been very fortunate to have had Anand Rajaraman [1993/BT/CS], also an IITM graduate, as my business partner on all these ventures.

### Message to the students:

When you have choices, my career advice to people is, always pick what you will enjoy doing the most. You will be more successful, and more importantly you will be happy. Enjoyment typically comes down to three things: the mission of the organization that you join, the team that you will be working with, and lastly and most importantly the work that you will be doing.

### Your future plans for interaction with IITM:

I hope to stay close to IITM and help foster the entrepreneurial spirit at IITM. Some of the biggest success stories in the US, like Google and Facebook, have been created by students at Universities. I hope we can tap into the same vein at IITM.



# Prakash Keshaviah



[1967/BT/ME]

## Why you give back to IITM:

The five years at IIT broadened my mental horizons, not just through classroom learning but also through the close social interactions in the hostel with fellow students from varied backgrounds who all had a tremendous curiosity about the world, our lives and the future. This learning was invaluable providing me with a sound foundation for my future career. Post-graduate studies in the U.S. were less daunting because of the rigorous IIT education, practical and analytical. I want to give back to IIT-M to express my gratitude for its having created this broad educational foundation.

## On your time at IIT Madras:

Fifty-two years ago, in 1962, my father dropped me off at the Narmada hostel. As the hostel was still not complete I was invited to stay in a friend's Krishna hostel room for a few days. I foolishly accepted his offer only to become the target of seniors trolling the hallways looking for freshmen.

Soon thereafter, I became part of a group of very interesting classmates with a wide range of interests. Our discussions ranged from the Heisenberg Uncertainty Principle to the uncertainties of understanding the fairer sex. Scholastic life in those days was tough. Initially we had surprise periodicals and most of us fared poorly. Then the authorities relented and decided to announce the Saturday periodical subjects the previous evening at 5 pm.

Every alternate week was workshop week. I remember we had to keep filing a huge block of steel till it

became a flat plate, watched closely by the no-nonsense workshop instructor, who allowed us no rest breaks. I also remember carpentry workshop and my unsuccessful attempts at camouflaging my shoddy workmanship by filling gaps in joints with a mixture of glue and sawdust.

I still remember some of the pranks perpetrated by our batch: A goat was found wandering around the hostel. It was fed a lot of water and locked up in Madhavan's room. When the unsuspecting Madhavan entered his room, the goat charged him knocking him into a puddle of urine. From then on, he was known as Maaaaa – dhavan!

In our time, life's pleasures were very simple. We had no TV, Internet or video games. Our common room was modest with just a table tennis table, a carom board, a music system and a few magazines. I would go home on Saturdays to visit my parents. However, I always made it back to campus for the OAT movie on Sunday night. No matter how bad the movie was, the experience was great fun with the wise cracks of fellow students, cat calls at opportune moments and pelting of frontbenchers with orange peels.

## Life after the Institute:

I graduated in 1967 after five arduous but fun-filled years of study. I was selected by Larsen and Toubro to enter a 3-year Apprentice Engineer Program. In my first L&T posting, I was made charge-man of a skilled group of fabricators and welders, who tried to exploit my inexperience by having me solve imaginary problems. Fortunately, knowledge of trigonometry came to my rescue and I won their respect by teaching

them shortcuts in cutting sheet metal layouts.

Compared to the green and serene IIT campus, Bombay was a concrete jungle. I was also getting bored with the industrial workplace and felt that I was more suited to academic research. I left L&T after 14 months to join the University of Minnesota in the fall of 1968.

Prof. Perry Blackshear of the Bioengineering Department offered me a half-time research assistantship in his artificial heart program. I completed my Master's degree in Mechanical Engineering and was encouraged by Dr. Blackshear to embark upon a Ph.D. in Bioengineering, studying the relationship between fluid shear stresses and red cell destruction in artificial organs. At this stage, a turning point in my life was meeting a charismatic and enlightened yogi from the Himalayas, H.H. Swami Rama.

An abstract of my Ph.D. research was accepted at an International Bioengineering Conference in Australia. I left for Melbourne via Delhi, in order to meet a young lady with whom I had been corresponding for a few months. Her father allowed me to take her out, and by evening's end we had decided to get married. Financially, life as a married man on a half-time assistantship was quite difficult. A year later, having completed my experimental work, I decided to write the Ph.D. thesis on my own time and joined the Regional Kidney Disease Program of the Hennepin County Medical Center in Minneapolis. I wanted to give my wife at least a modicum of comfort that she richly deserved.

My days of penury were over and we were able to contemplate starting a family. There was a race between the arrival of our son Mayank, and my Ph.D. thesis, the thesis winning by a whisker! A couple of years later, the arrival of our daughter Aparna, brightened our home. My area of research had changed from the artificial heart to the artificial kidney. I decided to increase my knowledge of physiology by enrolling for a Master's degree in Physiology at the University of Minnesota, while continuing to work at the hospital. Using an animal model, I studied how the process of dialysis perturbed normal physiology. In the patient setting, this research allowed us to significantly enhance dialysis efficiency while decreasing dialysis symptoms. The research was exciting and productive, resulting in papers, textbook chapters, guest lectures at international conferences and research grants from the NIH and FDA. It was hectic but rewarding.

While the academic setting had been a great springboard for research, I felt the need to challenge

myself with a foray into the corporate world. I joined Baxter Healthcare as Director of Advanced Development. In just a few years we successfully filed a number of patents in the fields of hemodialysis and peritoneal dialysis. I guided four hardware and disposable product development teams in Minneapolis, Chicago, Tampa and Tokyo and was promoted to Vice President of Research & Development.

Throughout my academic and corporate career, I had continued my spiritual pursuits with the guidance of Swami Rama. At the age of 53, I was presented with an opportunity to return to India in a voluntary capacity to establish a dialysis program at a charitable hospital and medical college established by Swami Rama in the Himalayan foothills. I have been here for 16 years now and have never had any regrets about my decision to return to India. Besides setting up the dialysis and transplant program at the hospital, I have taught Physiology, trained nurses and technicians, have executed hi-tech campus projects and worked with Indian dialysis companies to develop indigenous dialysis products. I am also involved in administration and finance and serve on the Board of Governors of Swami Rama Himalayan University. It has been a very fulfilling life, and I am indebted to my Guru's grace for making this happen.

## Message to the students:

Cherish the wonderful years at IIT-M. They will form the wonderful memories that you will look back upon in years to come. Keep yourself open to learning both inside and outside the classroom. Stoke your curiosity and creativity. Value conceptual rather than rote learning. There is tremendous economic disparity in our country. Try to do your bit to reduce this disparity through entrepreneurial activity, social activism or charitable contributions.

## Message for the faculty and alumni:

Faculty: Please be open to learning from your students who are intelligent and blessed with curiosity and creativity. Nurture these qualities through your classroom activities.

Alumni: I feel that gratitude is a tremendous quality that needs to be nurtured. If you feel that IIT-M played a significant role in building your career, do express your gratitude by getting involved with your Alma Mater.

## Your future plans for interaction with IITM:

I will continue to visit the campus more often and will support new initiatives at IIT-M to the extent possible.



# Prasad Setty



[1992/BT/CH]

## On your time at IIT Madras:

My first visit to the IIT Madras campus was magical. I was there for the counseling session following JEE. My sister encouraged me to take the JEE since the IITs were the pinnacle of engineering education. I secretly wished I wouldn't get through because I didn't want to go out of town to attend college. But I ranked high enough to get a seat, and here I was at counseling. The campus was captivating. The hundreds of acres of lush green not only buffeted you from the chaos of Madras but also kept it ten degrees cooler. Which made all the difference for a kid from Bangalore. I was sold. And IIT-M became my home for the next 4 years.

I have some vivid memories of my life there. I made a bet with a friend that I could memorize  $\pi$  to 50 decimals over the summer break. Once I got to that mark, I kept going. Six months later, I had memorized  $\pi$  to a 1000 digits. It's the most useless piece of information I have known by far. Also the most satisfying.

When I turned eighteen, my parents bought me a motorcycle. I loved to cruise around the campus and explore the city. It didn't last long, though. One of the spotted deer on campus decided to cross the road as I rode my bike near GC one evening. I avoided the deer but crashed. I wasn't wearing a helmet and lost consciousness. The doctors thought every bone on my face was broken. My parents sold the bike while I was still in the hospital. The deer didn't seem as beautiful any more.

Other parts of life at IIT are more blurry, but certain rituals were repeated over and over. We loved to hate the mess food but didn't let any go to waste. We drank

many cups of tea at Tarams at midnight, all the while worried that we'd contract some dreadful disease from the sticky, unwashed glasses. We wore our hawaii slippers until they wore down to their last shreds of rubber. Sometimes, we studied. Not as much as our professors desired. And we made peace with that.

## Life after the Institute:

From my undergraduate class of 32 in chemical engineering, twenty-nine of us came to the US for grad school. I was part of the herd. Carnegie Mellon was and continues to be reputed as a top engineering school. They granted me a fellowship that included full tuition and a monthly stipend to cover my living expenses. They even sent me a thousand dollars to fly to the US from India. I'd have gone to South Dakota for that deal. Luckily, I didn't have to.

For my graduate thesis, I studied the intermolecular forces between proteins adsorbed on a solid surface using scanning angle reflectometry and Monte Carlo simulations. It was novel research but devoid of practical applications for several decades, if at all. I realized that fundamental research just wasn't my cup of tea and graduated with a Masters. Career journeys are as much about discovering what you don't want to do as much as they are about what you do want to do.

I found a job as an environmental consultant which involved remediating some of the most polluted sites in the US. On one project, we worked with the US Army to destroy stockpiles of an experimental rocket fuel called pentaborane. It was nicknamed the Green Dragon for its characteristic green flame. We

designed a pilot study to safely dispose the chemical using robotic arms operated remotely. The pilot was successful, but the Army balked at the costs, and we didn't hear from them again. I loved the content of my work, but our organization was poorly run and not very motivating.

That was my first and only job as an engineer. I went to Wharton for an MBA and then joined McKinsey, the management consulting firm. I worked on several operations, strategy and business development engagements but my most memorable study involved teaching farmers near Madurai how to grow rice. The content of the work wasn't glamorous but the people I worked with made the project extremely fulfilling. People trumped content.

I got married and opted to spend more time with my beloved wife than clients. I left management consulting and joined Capital One, a financial services company. Led by some McKinsey alumni, they were setting up a Human Resources analytics group. That was my first foray into the world of human resources. When I was studying engineering or even in business school, I wouldn't have expected to pursue a path in human resources. But, several years later, I continue to be in human resources and love the space. I lead our people analytics, benefits and compensation teams at Google. Any organization that wants to be a leader in the knowledge economy needs to get preferential access to top talent. My team and I are constantly seeking insights to keep "Googlers" productive, happy and healthy. One might think it's a huge career transition from blowing up rocket fuel to human resources, but people can be quite volatile and messy to deal with, too:) It is true, however, that chemicals don't talk back.

Reflecting on my career, I found engineering problems to be very deep and got comfortable knowing how to

solve them. Business problems are very broad, and I got comfortable knowing how to solve them. People problems are an enigma! People aren't predictable. They don't behave rationally. The moment I get comfortable solving people issues, I figure I'll go do something else. I get the feeling it's going to be a while.

## Life Lessons:

When I was at IIT-M, we paid 400 rupees per semester as tuition. The financial return on that investment is a mile high. More important than the financial payoff, I learned at IIT how to interact with wicked smart people. Case in point -- in second semester Physics, we had monthly quizzes. They began with the "easy" problems -- a few True or False statements, followed by the tough ones. One month, I used up all the time just working on the True or False problems, and didn't even get to the rest of the test. And got all four True or False items wrong. I could have done better just guessing.

It was humbling especially since several classmates aced the test and the course. Once I got over it, I was determined to do better. Since IIT, I have always sought out high-achievement environments because they bring out the best in me. For those who are still studying, here's my biggest takeaway from IIT -- the ability to not just survive but relish an environment where you're surrounded by people smarter and more capable than you. That's when you learn the most.

For those who are out of school, I'm sure you'll agree that learning doesn't end once you've graduated from college. I believe strongly that physical age doesn't determine whether you are young or old. The day we stop learning, that's the day we are old. Let's keep learning all our lives.



Krishna Chivukula



[1970/MT/AE]

#### Why you give back to IITM:

The IIT education I received was world class. It helped me intellectually and gave me a lot of confidence in life. Hopefully my donations will help IIT meet future challenges in a very dynamic world.

#### On your time at IIT Madras:

Wonderful memories: fun, tennis, Velachery tent theater movies, interactions with my professors, hostel day celebrations and OAT movies.

#### Life after the Institute:

I did my MBA at Harvard and became hugely successful as a serial entrepreneur in the USA and India.

#### Message to the students:

Don't go into finance! What a waste of the IIT education - work in industry.

#### Message for the faculty and alumni:

Don't get carried away with global rankings. IITM is number 1 in educating students - not in fundamental research. Stick to the mission and increase interaction with industry in India.

#### Your future plans for interaction with IITM:

I intend on working with Alumni Affairs and finding out what the needs are.



Shrikumar Suryanarayan [1982/BT/CH]

#### Why you give back to IITM:

I am grateful to IIT Madras for giving me a high quality education with the opportunity to try different things. By giving back to my alma mater, I feel that I am in some way doing my part to repay the institution for everything that it has provided me with. I also feel that it is a great way to create more opportunities for the current and future generations.

#### On your time at IIT Madras:

I remember my life at IIT Madras as a lot of fun. I stayed at Saraswathi hostel and was an active member of the Photography Club. I found the science behind developing the negatives and the process of printing the photographs on silver bromide paper very intriguing. At the time, the skills required to take good pictures were very different. One needed technical knowledge and had to know how to choose the right film for different resolutions and light. This was different from today's digital photography. I also recall a unique game we used to play called "Skating Hockey". This required one to skate on four wheel skates and play hockey simultaneously. I was also a part of the aero modeling club and worked for the society through NSS. The campus has changed a lot since my days at IITM - but for the better! The student festival which was then called Mardi Gras is today known as Saarang. We also used to have a student run magazine 'Campastimes' in those days. My other favourite pastime on campus was the Saturday movie nights at the OAT.

#### Life after the Institute:

After graduation from IIT Madras in Chemical Engineering, I joined IIT Delhi for my Master's in Biochemical Engineering. I then joined Biocon where I went on to set up and head the R&D department for 25 years. Biocon was 7 people strong when I joined and grew to more than 3000 people by the time I left. I then joined the Department of Biotechnology, Government of India as CEO to set up a new Biotechnology Cluster in Faridabad in the National Capital Region. Alongside, I was also appointed Honorary Adjunct Professor at the Biotechnology Department of IIT Madras, where I would interact with students during my visits. After a one and a half year tenure with the Government, I co-founded a startup company (Sea6 Energy) along with some students at IIT Madras of which I am now Chairman.

#### Message to the students:

Pursue your interests diligently as the college provides you with ample opportunities to do that. Rather than following the herd, follow the path where your heart takes you during these 4/5 years and put your soul into it. It is important to enjoy life to the fullest. Remember, it is the quality of the journey that is important - not the destination.





V Srinivasan [1977/BT/MT]

**Why you give back to IITM?**

I have always felt the need to support education especially the crucial phase of under graduate scheme in my Alma Mater. This translated into an immediate urge when I lost my son ( also an IITM alumni ) very suddenly in 2012 and thus started my commitment to Sriram Srinivasan Scholarship which I have continued for the past three years.

**On your time at IIT Madras:**

Very pleasant, enduring, endearing and much cherished. I particularly savor the friendships I have developed and the self-belief that I could get from the campus life for which I am indebted to the faculty, all my fellow students/friends and the curriculum.

**Life after the Insitute**

I am lucky that even today I am involved in my core engineering related industry (Metallurgy). I am proud

of the fact that in my past 15 years as CEO, I have groomed an equal number of CEOs who are serving the Indian industry very well.

**Message to the students:**

Enjoy campus life, develop deep friendships, follow your dreams.

**Message for the faculty & alumni:**

I salute the faculty for their inspirational dedication and approach. I really appreciate the rapidly increasing involvement of the alumni which will truly benefit building up the brand IITM, catapulting it into the Top Global Engineering Institutions in the near future .

**Your future plans for interaction with IITM:**

Continue monetarily contributing to the institute for the rest of my life!!!



V Shankar [1981/BT/ME]

**Why you give back to IITM:**

I attribute the logical and thinking part of my personality to the five years I spent in IITM. These are the foundation of my professional success. Unlike the Ivy League universities, which price their education at market rates, IITs were (and still are) highly subsidized. I feel that it is the least I could do, when I am now capable, to give back in any form to the institution that was formative in its influence.

**On your time at IIT Madras:**

Campus time was a time of fantastic memories. The peer group, the hostel life, the academic challenges, the sylvan surroundings and the relative freedom of being away from home had all come together to make this a memorable part of my life, Friendships formed in IIT have stood the test of 40 years now. My campus memories will always be among my best memories.

**Life after the Institute:**

The head start I got from my IITM experience has always given me an edge in life. Whether at IIM, or in my job, or thereafter in growing my own entrepreneurial venture, I have benefited from my experience at IIT. Fortunately the last few decades have seen value for professionals as opposed to the erstwhile mai-baap culture, so in a way it was also good timing I guess.

**Message to the students:**

I see a great buzz surrounding startups among young people. Yes, starting up is thrilling and empowering, but you need to be well equipped with the tools of success. Practical experience is a necessary prerequisite, and I would urge students to obtain a few years of practical experience before attempting to startup, particularly if the startup is not a pure IT product.

**Message for the faculty and alumni:**

The faculty is the backbone of the Institute and the value that it adds to students and society. I appreciate all the effort the Institute is doing of late to provide both financial and peer recognition to faculty. While most faculty are drawn to the institute as a calling, it behooves the institute and its beneficiaries (alumni, industry..) to actively participate in these initiatives.

**Your future plans for interaction with IITM:**

I will always have a warm place in my heart for the Institute. Whether it is writing small notes such as these (which will hopefully “convert” a few alumni) to participating with my time for institute initiatives, to contributing financially to worthy projects, I hope to be able to do it all.





K Shanker [1971/BT/ME]

#### On your time at IIT Madras:

I fondly recollect the days spent in the Institute, memories of my batch mates who came from different parts of the country and the joyous time spent with them. Apart from working my way through the periodicals and exams of the Mechanical Engineering course, what stands etched in my memory are the extra curricular activities - the Saturday night movies at the OAT, fun during Mardi Gras (now known as Saarang), digging for constructing the swimming pool as part of Social Service and the Inter IIT Meet at Madras.

#### Life after the Institute:

After graduating as a Mechanical Engineer, I immediately joined the Process Industry and have ever since been actively involved in the setting up of plants in the Fertilizer, Petrochemical, and the Oil and Gas sector both in India and abroad. Apart from my professional work, I took an active interest in social service and had the opportunity to be in charge to install the floodlights of the MAC stadium and its initial video screen as a committee member of the Tamil Nadu Cricket Association.

#### Message to the students:

My main message to students would be to enjoy life during their stay at the Institute not worrying too much about grades and CGPA but ensuring that the fundas of each subject are well understood. I would strongly advise students to take part in sports and extra curricular activities offered as these would help in rounding off one's personality and gain confidence to face life after graduation. With the facilities in this regard being made available by the Institute these days, it would be a crying shame if they are not put to good use. So make the best use of your stay with the Institute and come out with flying colours.

#### Message to faculty:

I feel that the faculty should be in touch and work closely with Industry to see how technology is being used for commercial applications. It would broaden their vision as some of the cutting edge technologies are being used these days. Keeping in touch with the alumni would be beneficial in this regard. For instance a visit to one of my company's operating centers situated adjacent to the Institute could help faculty understand the nuances of designing deep offshore structures at water depths going to such levels as 4km below the sea water level or what it takes to set up facilities in the sub zero temperatures of Arctic region range in the minus 45deg C region. I would urge the faculty to visit such places to see theory being put to practice and utilize these as appropriate in their teaching assignments.

#### Message to alumni:

I encourage our alumni to be in touch with the Institute and ponder on what they can do to contribute to the Institute as well as society. Like me, I am sure that IITM has given each one of us a great opportunity to come up in life and make a mark for ourselves in our profession. It is in this regard that I feel it is our moral duty to pay back in whatever manner something to the Institute for making us what we are today, Association with the Institute. I have long been associated with the Institute mainly with the Civil Engineering department to obtain advice for complex civil designs and off late with the Ocean Engineering department to do research work in the Offshore area. I have been active during the placement season, ensuring that the company I work for regularly visits the campus during this time. In addition, I am in the process of discussing with the Institute to how we could engage them for our CSR activities in line with the Government's requirement.



Yujendra Mitikiri [2001/BT/CS]

#### Why you give back to IITM:

I had more finances than I needed, and was looking for a worthwhile expenditure; something that I would look back upon as a good and intelligent investment.

#### On your time at IIT Madras:

The good ones: The sprawling campus and buildings, the cycling, the greenery, the exposure to world outside parents' home.  
The bad ones: Wastage of time.

#### Life after the Institute:

Have been working as a circuits design engineer at Texas Instruments since passing out.

#### Message to the students:

Make good use of the time, faculty and resources that have been blessed upon you.

#### Message for the faculty and alumni:

A big thank you to the faculty. To the alumni, nothing in particular.

#### Your future plans for interaction with IITM:

I have been involved with recruitment for TI at IITM and will continue to do so. I hope to fund some projects of my liking in the future.





## Sridhar Krishnamoorthy [1984/BT/CH]

### Why you give back to IITM:

I entered IITM as a boy and emerged a man; great learning from academics and for personal development through friends, hostel mates and life experiences. It has laid the foundation for a great career and more importantly a sound foundation of engineering skills and organized thought. Hence it is appropriate I contribute back to help the next generation to have more opportunities.

### On your time at IIT Madras:

- Hanging around the hostel corridors and exchanging stories and experiences which over a period of time shaped my character
- Made good friends
- Showed me the balance to study and enjoy life
- Spending time in the Open Air Theatre
- Having the opportunity to experience and study a wide variety of subjects

### Life after the Institute:

- Lived and worked in many countries such as Thailand, Australia, China, Kazakhstan, UAE and now back in India
- Now working in Bangalore as Managing Director of a large steel company called Gerdau Steel India. We are part of the multinational Gerdau Group
- Speak many languages such as Chinese (Mandarin),

Russian, Arabic and some Portuguese

- Did my Masters in Engg from Asian Institute of Technology (Thailand) and my MBA from Monash University Australia
- Have 2 great kids and a lovely wife

### Message to the students:

- Use the opportunity in IIT to learn and experiment many things - academic, social
- This time is probably the best time of your life to do what you want, when you want....later on such freedom is limited
- Learn also the soft skills such as presentation skills, speaking skills etc which are equally important to promote oneself and one's thoughts

### Message for the faculty and alumni:

- Please allow for more industry interaction. I am happy to help as well in this regard
- Focus also on soft skills
- Make people work in groups and encourage inter-disciplinary projects

### Your future plans for interaction with IITM:

- Guest lectures if possible
- Contribute with time on volunteering opportunities
- Mentor young students on industry experience or career choices



## Yeratha Achyuth Reddy [1980/BT/CE]

### Why you give back to IITM:

IITM has been one of the biggest influences in my life. Forty years after I joined IITM, I still find constant reason to appreciate the faculty that taught and mentored us, often well beyond the call of duty. The friendships from then have been the most lasting and meaningful and just get better with the passing years.

### On your time at IIT Madras:

The wide open and green campus, blackbucks prancing around in the early morning sun, OAT movies, walking from Jamuna hostel to BSB for afternoon classes in scorching summer heat and so many more.

### Life after the Institute:

I graduated with an MBA from the U.S. and returned straight away to India in 1983 for a varied entrepreneurial journey. Since real estate development and construction has been a significant

part of what I do, my IITM B Tech Civil Engineering degree continues to be useful!

### Message to the students:

The academics are obviously important but IITM offers a lot more, so take advantage of it. The friendships you forge during these years with your classmates and faculty will probably be the most long lasting and useful benefit, so consciously focus on that.

### Message for the faculty and alumni:

Continue with the great job that you are doing and stay involved.

### Your future plans for interaction with IITM:

Just to stay in touch with the various initiatives that IITM has embarked on and contribute my bit whenever possible.





## Dr. Parasuram Balasubramanian [1971/BT/AE] & [1973/MT/IM]

### Why you give back to IITM:

Institutions are nurtured only through involvement and commitment of its beneficiaries. Alumni can bring a host of resources such as technical and managerial expertise to supplement faculty knowledge, internship and job opportunities to the students and help to enhance the educational eco system. I have derived immense benefits in my life as a student of the institute and the desire to leverage my resources to help the alma mater is earnest.

The YFRA scheme grew out of my desire to appreciate excellence in teaching and research among faculty and to create a system to encourage younger faculty to aspire for the same.

### On your time at IIT Madras:

One of continuous learning in an open atmosphere, learning life skills beyond the class room sessions, enjoying the physical environment at campus and appreciating nature and forming long-lasting friendships.

### Life after the Institute:

I have been fortunate to continue my campus life in US as well. I could assume leadership roles in the corporate sector from a young age and play a part in ushering in the Information age in India ; could travel across the globe; be a global citizen.

### Message to the students:

Learning can be fun and you can have fun life long.

### Message for the faculty and alumni:

Please come together to foster in vivo and in vitro learning.

### Your future plans for interaction with IITM:

Primarily to be a mentor to students and promotor of mentoring eco system between the alumni and the Institute.



## MG Parameswaran [1977/BT/CH]

### Why you give back to IITM:

It is but natural that we give back to the places and people who gave us so much. We owe IITM a lot and that cannot be measured in monetary terms. So what I have given back is but a drop of gratitude.

### On your time at IIT Madras:

We entered IITM as young kids who knew very little about anything. We grew when we were at IITM. We learnt a lot, or so we thought. We made friends for life. And more than anything else we developed an ability to face problems and challenges and solve them. This has done us a world of good as we went out to face the challenges that work and life threw at us.

### Life after the Institute:

I went to IIMC after IITM and made many new friends there as well, though it was just a two year stay. Life after IITM and IIMC has been rather good. Our generation, born in the mid-50s, got the benefit of the post-liberalization tailwind that pushed the country ahead during the 90s and 2000s. Some of us were in the right position at the right time, to enjoy this tailwind. New industries came up, new opportunities rose and we had the most valued commodity in our possession: a great education. In addition IIT also gave us access to an excellent network of friends.

### Message to the students:

Today's IITM students have a more prosperous life in

India awaiting them! I hope they will imbibe the right values from their four year education at IITM. Make the right kind of friends and importantly appreciate what IITM is doing for them. The opportunities facing them are indeed immense, they should have the courage and energy to chase their dream. A new India awaits!

### Message for the faculty and alumni:

The faculty at IITM have played a great role in shaping the young minds. I think over the years almost 50% of the faculty at IITM are alumni of IITM, this is a great plus. So they know what role they have to play, more than an outsider like me. With regards the alumni, I think we can contribute a lot more, in terms of supporting causes that we hold dear, giving the alma mater some of our time and just get involved.

### Your future plans for interaction with IITM:

I am indeed honored that my alma mater considers me one of its distinguished alumni. I have tried to take time out, whenever asked, to provide inputs to IITM. Over the last five years the Institute has made great effort to connect with its alumnus through various initiatives such as Leadership Lectures, Guest Lectures etc. I am sure more can be done and I look forward to staying engaged.





## Alok Mohatta [1976/BT/CH]

### Why you give back to IITM:

I was in the 1971-1976 batch and my tuition fees for all the 5 years probably did not exceed ₹8000. The institute probably spent well over ₹1 lac on my studies and stay. During the Silver Jubilee, even assuming 8% interest, the amount, if one wants to repay, exceeds ₹5 lacs. I simply tried to repay, knowing fully well, that in no way does it come close to acknowledging the tremendous impact that IITM had on my development.

### On your time at IIT Madras:

Beautiful campus, friends across India (our batch was geographically very diversified) which gave all of us insights and understanding of each others' cultures, bright fellow students which was intellectually stimulating, participating and winning in intra-Hostel, inter-Hostel and inter IIT sports, slogging in workshops in first 2 years, deer in the hostel and of course, very good infrastructure.

### Life after the Institute:

I was selected for IIM(A) and also received a scholarship for MS at the Institute of Paper Chemistry in Wisconsin (all its graduates were absorbed in American paper industry). However, my Dad, who was a professional heading a large Paper Mills in Africa, wanted me to set up a SSI as an entrepreneur and heeding his advice, I set up a foundry for manufacturing stainless steel castings.

The idea was to become an entrepreneur and since I had no knowledge or experience, we learnt on the way.

Customers treated a young man (brand IIT helped) with sympathy and today we are in our 35<sup>th</sup> year of operation and our customers include multinationals like GE, Emerson etc., and our products are also exported to Far East, Middle East, Africa, China, Europe and Canada.

Along the way, we were recognised by the Swiss Government, who sponsored our exhibits at the Hanover Fair for 3 years and received an award from the Union Minister of Finance, Government of India for our tax contributions.

### Message to the students:

India has a much brighter future than earlier. With the Government pushing 'Make in India', the real value of core engineering skills will be realised (time to think beyond Management, Finance and IT). Fortune favours the brave and some can think of becoming entrepreneurs.

### Message for the faculty and alumni:

Our 1976 batch had committed ₹76 lacs and we are now close to ₹90 lacs and with the help of my batchmates, we are still going forward.

### Your future plans for interaction with IITM:

All alumni acknowledge our tremendous debt to our alma-mater, and it would be nice if they discharge it, both financially and also applying their technical expertise in shaping relevant syllabi.



## Ramesh Damani [1985/BT/CH]

### Why you give back to IITM:

Because IITM has given me so much. I am completing the circle

### On your time at IIT Madras:

Lifelong friendships forged. Taramani, Vellacheri, Quark, GC. Mardi Gras. Inter hostel competitions. Inter IIT tournaments. Struggling to find taxis or autos at Saidapet to come back to the campus after seeing late night movies at theaters on Mount Road. Visits to Adaiyar bakery. Cramming at the last minute for exams.

### Life after the Institute:

It has been good. The problem solving & adaptive skills acquired during the formative years spent in IIT really help you adapt and deal with whatever life throws your way.

### Message to the students:

Take risks. Don't be afraid to fail. Get uncomfortable. Say yes to challenges. Recognize your weaknesses, work to get stronger, don't dwell on them. Accentuate your strengths.

### Message for the faculty and alumni:

For faculty, constantly work to send well rounded individuals into the world. For alumni, we have all benefited from the efforts and contributions of those who preceded us. Find your own unique way to stay engaged with your alma mater. Pay it forward.

### Your future plans for interaction with IITM:

Visit as often as I can. Be a resource that the campus can call on as needed.





## Manalur Sandilya [1972/BT/EE]

### Why you give back to IITM:

I do not consider myself to be a donor. I am just doing my duty.

### On your time at IIT Madras:

Very pleasant - probably the best campus in the world (I have visited other campuses in India, Ireland, and USA).

### Life after the Institute:

Life has been challenging but IITM had prepared me for it and I am still able to handle the challenges thrown at me.

### Message to the students:

Work hard, learn as much as you can, do not worry

about placement, achieve in the world, and give back

### Message for the faculty and alumni:

One of the best faculty in the world - keep up the standards.

Alumni should formulate their giving plans after comparing what they have to spend for a similar education in a similar institution any where else in the world.

### Your future plans for interaction with IITM:

Our batchmates meet often and I participate regularly in our web group. I try to attend any major campus event if I am in Chennai.



## Sudhakar Potukuchi [1992/BT/ME]

### Why you give back to IITM:

First of all, IITM is one of the premier institutions in the country and the quality of students we get, the facilities the institute has to offer and the research outputs we leverage from the faculty make this the place we want to invest in. Having graduated from the Institute, I get a sense of satisfaction in knowing that I am contributing to the institution that did so much to educate me and give me a better life.

### On your time at IIT Madras:

My fondest memories of the time I spent at IITM were the sleepless days of moving from one term to the next surviving only on the company of other extremely talented colleagues and Taramani Tea. I also recall literally running to 8 a.m. classes in the morning and returning in the evenings from the grueling workshop classes. Extra Mural lectures, hostel corridor discussions and common room episodes are unforgettable experiences. Gajendra Circle, the temple, bicycle rides in the campus and of course, my Ganga Hostel, was fantastic, and the best!

### Life after the Institute:

After graduating from IIT Chennai, I pursued my Doctorate Degree in Mechanical Engineering from University of Delaware in USA. In 2012, I completed Executive MBA from Indian School of Business, Hyderabad. Currently, I am the Vice President of Technology at Eaton, responsible for leading the largest (1000+) integrated multi-disciplinary Research, development and engineering team. Prior to joining Eaton, I worked with GE John F Welch Technology Center in Bangalore. During this period, I deployed Six Sigma at JFWTC as Quality Leader, and

then moved on to build and lead the Steam Turbine Technology team. IITM has given me a very strong foundation both technically as well as in terms of interpersonal skills. Also, the strong brand value of IITM and alumni network was of great help in building my career.

### Message to the students:

I don't remember every detail of every course that I took there, but the structured thinking and the confidence I gained gave me the skills to shine in high-stress environments. When I look back my only regret is that I didn't really make enough use of all the facilities that the IITM had to offer. So my advice is to keep an open mind and make best use of the resources to be fully prepared for the realities outside.

### Message for the faculty and alumni:

I would like to see the school become lot more active in connecting with the Alumni and work lot more closely with the Industry in promoting research and technology outputs in driving innovation. Innovation thrives on different perspectives and hence promoting the right level of diversity and promoting STEM education across the country need greater push.

### Your future plans for interaction with IITM:

I will continue to promote the school as a place where industry can source great talent and help the students on campus with inputs from corporate world. My focus in the coming days would be to utilize the talent and research outputs from the institute for driving more innovation and also promote science and technology towards power management solutions.





## Kalpathi S Suresh [1986/BT/EE]

### Why you give back to IITM:

It is always a pleasure to meaningfully contribute to IITM which gave me the solid base that I built from. I can help sustain the institution and ensure that the one-of-a-kind experience I had can be shared, in some unique way, with thousands of students to come.

### On your time at IIT Madras:

One thing that stands out in memory is the food in the mess. We got food for just about ₹200 per month, if it was ever over that then the mess secretary would be in a lot of trouble. Another place that I frequented was Quark (now Basera). I used to spend time with my friends and it was one of our favourite hangouts, especially in the evenings.

### Life after the Institute:

In 1991, when I returned from the US after a stint in the Bay area, I co-founded SSI Ltd. with my brothers, Kalpathi S Aghoram and Kalpathi S Ganesh to launch High End Short Term IT Training courses, a concept unheard of in the Indian market. In the late 1990s, SSI set up a technology arm, SSI Technologies which subsequently led to creation of Indigo Markets, the much talked about Joint Venture with the NASDAQ stock market. The software of SSI Technologies powered some high profile stock exchanges globally.

By 2004, SSI had successfully bought out Aptech and merged it with SSI's education arm; the technology arm was sold to Cambridge Technologies while Aptech (now merged with SSI Education) was sold to an investor group based out of Mumbai. We then made a significant foray into the real estate sector which we subsequently exited in late 2007.

Having built and created a hugely successful global brand, the Kalpathi Group has now turned its focus on encouraging young entrepreneurs to create new

global brands with their flagship company Kalpathi Investments, a Chennai based VC Fund. The group is also developing an entertainment business on its own under the brand of AGS that includes production, distribution and exhibition.

I am married and blessed with two children, Abishek who is in Anna University doing his B.E. in Computer Science and a daughter, Abinaya who is in class 11.

### Message to the students:

IIT is an opportunity for achievement; find a mentor who can teach you about both life and career goals; enjoy your stay in IIT.

### Message for the faculty and alumni:

Faculty: Already regarded as one of the best in their respective field; hence no particular message; please take care of yourself, both IIT and your family want you happy and productive for decades.

Alumni: As the President of IIT Alumni Center, Chennai, I would like to invite the alumni to register as members of the Center; play an active part in the activities of the alumni. It is important for all of us to give back to our alma mater and society at large and it is best done through alumni groups who can make a far bigger impact as a collective whole. Assist where you can and make a difference. Connect, Engage and Give Back.

### Your future plans for interaction with IITM:

It is a sense of responsibility to stay connected to the campus and to give back in many rewarding ways; mentoring and sharing my experience with students, giving guest lectures in the classroom, help raise funds to drive the institute initiatives; and contribute to collaborative efforts that can enable the IIT ecosystem achieve its larger goals.



## KV Rangaswami [1965/BT/CE]

### Why you give back to IITM:

It is the place that made me what I am today. IIT and L&T are the two institutions which made me think differently and be smart. I feel it is my bounden duty to acknowledge this and give back whatever I can.

### On your time at IIT Madras:

It is a campus I loved at first sight and still do. The Sylvian settings made it an absolute beauty and the ambience always created the nicest feelings in me.

### Life after the Institute:

A long and a successful career in Larsen & Toubro for 49 years was a great accomplishment and a fitting finale for me.

### Message to the students:

Truthfulness, hard work and honesty will always

succeed and practice this in the ambience of knowledge assimilation and deploying the same fearlessly and intelligently.

### Message for the faculty and alumni:

They should synergise for mutual benefits. The faculty should create the right ambience and motivation for the effective learning of the students and also use the alumni to chip in with their experience.

### Your future plans for interaction with IITM:

Nothing very specific except to say that I will always try to strengthen and synergise this triangle of Alumni, students and the the alma mater relationship.





## Sadeesh Raghavan [1980/BT/EE]

### Why you give back to IITM:

I believe IIT is a great institution not only having produced great graduates who have achieved great things, but as an institution had great educators and other aspects such as a great campus etc etc - and knowing that IIT struggles to expand the facilities and pay adequately for best talent etc we, as alumni, should chip in as this will help sustain and grow the institution.

### On your time at IIT Madras:

I remember most students during my time at IIT Madras as being primarily preoccupied with academics. However, in the little time that I could spare, I actively participated in a range of events that were organized at hostel and wing levels. I also played an active role in the organization of Mardi Gras and was the General Secretary of Saraswathi Hostel. I recollect that there were limited options where students could go for leisure, but I fondly remember my evenings with friends at the chai shop in Taramani.

### Life after the Institute:

Upon graduating from IIT, I went abroad to the US for further studies, like most of my classmates. However, unlike my other classmates, I went on to complete my MBA instead of doing a technical degree. Immediately after this, I began to work for Accenture, from which I have now retired. I travelled the world during my long tenure with the firm, but was primarily responsible for running the Asia-Pacific operations. Post-retirement, I became a member of the investment committee at Acumen – an organization that invests in companies trying to serve the poor and the underprivileged in

South Asia, Africa and Latin America. I also do similar work in my own time and in my own capacity. I am also an angel investor and invest in normal, for-profit corporate firms in association with angel investor networks, or with friends.

### Message to the students:

I hope that the current students can hold up the reputation of IIT. Past students have paved the way and now it is up to the current students to keep it up so that we can continue to hold the IIT flag high, succeed in life and make a difference at a global scale. I urge the students to think big, think global, and to have global aspirations and expectations.

### Message for the faculty and alumni:

With regard to faculty, I realize the challenges that the faculty have to face in terms of facilities and funds. IITM should mobilize its alumni to fund the routine running of the Institute. I am confident that IITM can also establish a fund comparable to any other fund of a top US university, if the Institute sets that as a goal to be achieved. I am grateful to my teachers for the huge difference they have made in the lives of my colleagues as well as my own, and I urge them to keep up the good work. I can say with pride that both the good and bad times at IIT have made a huge difference in my life, and that nothing technical that I have encountered can ever faze me because of the strong footing that IIT has provided.

### Your future plans for interaction with IITM:

As needed and as it makes sense.



## Satish Pai [1985/BT/ME]

### On your time at IIT Madras:

My five years at IIT Madras were great and that period was the most enjoyable time of my life. I have very fond memories of IIT. I was in Tapti hostel and very actively involved in sports, especially football. I was the captain of the football team in my fourth year. My biggest and most memorable experience is the football match with IIT Kharagpur, which was considered to have one of the best teams among the IITs. Both teams had the same number of goals but we got a silver medal due to some reason. It was one of the happiest and proudest moments for me.

### Life after the Institute:

In 1985, after completing my B.Tech from IIT, I went to Thailand and worked as a field manager. Working on real projects made me realise that student life was much easier and stress-free. Student life was about gaining knowledge and having fun, whereas work life is too hectic and competitive.

After working for almost 28 years in different countries and continents on various projects, I returned to India and joined the Aditya Birla Group in 2013. I was in the oil and gas industry for 28 years and over the last two years have gained knowledge in the aluminium industry after working with Hindalco Industries Ltd., the flagship company of the Aditya Birla Group. I work with a young and inspiring group of people.

### Message to the students:

Students should not have a strict life plan. They should be open to learning new things and be flexible enough to adapt to changes with time. Students

should take measured risks and be different. They should look for new opportunities. You are young and have learning facilities and opportunities that we didn't in our college life. So use them well; explore new avenues and prepare yourself to face challenges in the real world.

### Message for the faculty:

The faculty plays a very important role in a student's life; they influence the student's development. They should therefore share their real world experiences and help students see the big picture. They should train students to face a new and competitive world by keeping them abreast of the latest trends and technologies.

### Message for the alumni:

College and student life is a very important part of one's life, and the IITs always try to give the best knowledge resources available to its students. The success of IIT alumni all over the world is in a great part also due to the brand value of the IITs when we embark on our careers. IITM students are very successful in life not only for the knowledge that IIT gives its students but also for the impetus the brand name provides when they embark on their careers. It is time to give back. We should contribute more, both in monetary and other terms, for the development of our very own institution – IIT Madras. We should aim to see it at the top. We should increase our contribution and donate every month or every year. Our donations will go a long way in shaping the futures of so many, like ours. Therefore, PLEASE DONATE MORE!





## Venkat Viswanathan [1992/BT/CE]

### Why you give back to IITM:

The major reason behind my will to give back to IITM is the emotional bond that I share with the Institute. IIT happens at a very critical stage in a person's life, at a stage when boys graduate to become men. I feel that it is my duty to contribute to the growth and sustenance of the Institute that supported me during this important initiation phase.

### On your time at IIT Madras:

During my time at IIT, I volunteered for several activities including the organisation of Mardi Gras and Inter-IIT to name a few. I also served as the hostel secretary. There are two distinct parts to my memories of IIT - the academics and my friends. I still remember the academic system at IIT. It was a huge cultural shift for students coming from regimental schooling systems. Simple yet impressive things, such as the option to provide feedback on professors, left a deep impact on me and I have always expected the same wherever I go. As for my friends, I consider myself fortunate to have been at IIT during a time when there was no Internet. I mingled with my colleagues and co-residents and we engaged in discussions and debates which forged bonds of lifelong friendships.

### Life after the Institute:

After IIT, I joined a firm as an on-site engineer, a

very unconventional choice at a time when almost everyone went abroad for further studies. The job soon became a desk job with no excitement and I decided to do an MBA and went to IIM Calcutta. Following this, I worked with a finance firm for 4 years in different capacities including the credit analyst and management consulting roles. I also had a stint at Cognizant, where I worked for 7 years during the IT boom. Finally, in 2006, I started my own company.

### Message to the students:

In the long term, everyone meets every financial goal that they set for themselves and therefore, it is important to follow things that they care about and are passionate for.

### Message for the faculty:

It is extremely important for IIT to maintain its reputation and that professors play a crucial role in energizing the talent that comes into IIT. They are responsible for the transition from interest in science to engineering capability. It would be great to see our professors keep pace with the dynamic world changes such as innovative teaching methods and techniques, as they have done so far.

## In memory of Prakash Narayanan [1994/MSc/MA]

### Why you give back to IITM:

I instituted the Prakash Narayanan Fellowship award as a tribute to my son's passion for Mathematics and for his association with IITM to be remembered. I also sincerely feel that there should be a continuation of the promotion of this subject. It should be an incentive and a support to the sincere needy student who is pursuing this subject.

- Lalitha Narayanan





## D Chandrasekhar [1970/BT/MT]

### Why you give back to IITM:

IITM education has been a turning point in my life and in the lives of many of my friends. If this has to continue we should nurture the growth and sustenance of IITM. Hence I am giving back.

### On your time at IIT Madras:

I have fond memories of the Ganga hostel and OAT.

### Life after the Institute:

I have been a serial entrepreneur in the engineering

and social sectors.

### Message to the students:

Academics is very important for the students but it is only a minor segment in the ultimate life. The students should identify the other areas and excel in order to be successful and happy in life.

### Your future plans for interaction with IITM:

I shall continue to interact with IITM as I have been doing so far.

## Gopalan Raman [Non-alumnus]

### Why you give back to IITM:

Lakshmi and I always had IITM in our mind for our Vidyadhana. With Lakshmi passing away, it happened sooner rather than later. Also the comparison of coconut tree and saying “Thaan unda neerai thalaiyale thaana tharudalal” had a great impact on us while we grew up. The great correspondence with staff and faculty, fast response and patience in answering my questions made giving back smooth sailing.

### On your time at IIT Madras:

This is my favorite question. I have to roll back the clock 48 years. God, I am old. We were a small M.Sc. class of 8. Remember seeing movies at the OAT after a sumptuous meal at Krishna or Cauvery hostel on some weekends. Sometime all night South Indian movies in Velacherry where one can sit on an easy chair and watch. Of course, periodicals. Campastimes and the clever poor jokes in it. Also remember Nobel Laureate Sir CV Raman giving a lecture at the convocation. Some evening trips to Adyar in the campus bus.

### Life after the Institute:

Destination USA. Had to work harder than at IIT and face many challenges. Computer was at its infancy and punched cards, IBM main frame computers, no Internet yet. Witnessed this revolution and continuing was fortunate to have had many opportunities to work with diverse things such as liquid helium and high temperature reactors and so on including product development.

### Message to the students:

I am not good in advising. I will paraphrase others and

give some suggestions. A reporter asked one of the Chicago mayors during election this question “What is your goal in life?”. She answered “My goal is to be the best in whatever I am doing. If I am a janitor I want to be the best janitor”. This is a profound statement which can apply to anyone. Read biographies of famous people. If the biography is done well, one can learn a lot not only about that person but also about life at the times he/she lived. “The man who knew infinity..” on Ramanujan by Robert Kanigel and biographies on Madam Curie come to my mind. Realize many people contribute to a person’s success (yours) and always regard and acknowledge them. Finally a person with a rounded character is always appreciated by others. Money in life should be considered as an outcome rather than a goal.

### Message for the faculty and alumni:

I admire my teachers for their patience in imparting and their relentless pursuit of knowledge and friendship. If my recent interaction is any indication IITM is still a venerable institution and will produce some highly trained students not only for India but other countries as well.

### Your future plans for interaction with IITM:

As I have mentioned before , if all goes well, I plan to establish more scholarship funds for higher education. It takes time to create large endowments and my approach is to do it slowly. I am hoping for support and pull from alumni relations staff.





B Suresh Kamath [1982/MT/CS]

**Why you give back to IITM:**

Because everything I have or got came from IITM and it is my humble duty to give back.

**On your time at IIT Madras:**

The best years of my life, prepared me for life, vividly remember the great lectures of Prof. CRM and Prof KK. Memories make me feel grateful.

**Life after the Institute:**

Has been great. Thanks to IITM, was able to create jobs for many Differently Abled People.

**Message to the students:**

Contribute back by creating more jobs, Innovate and create products out of India.

**Message for the faculty and alumni:**

Sincerely thank all of you and remain grateful.

**Your future plans for interaction with IITM:**

It will be a great privilege to serving the cause of IITM. Ready to do anything.



Prof. R Nagarajan [1981/BT/CH]

**Why you give back to IITM:**

I have fond memories of life as a student at IITM. Now that I've been back on campus for 10 years as a faculty, I'm able to appreciate its uniqueness and beauty even better. I want to contribute to its continued growth & evolution.

**On your time at IIT Madras:**

Mostly good, especially the OAT movies & Thursday night "Film Society" screenings in CLT. Lots of creative writing, in & out of class.

**Life after the Institute:**

Went to Yale University for Ph.D., mainly because they had more film societies than the other universities where I got admits. Spent 15 happy years with IBM in San Jose, still doing Chemical Engineering (sort of),

untainted by CS & IT. Came back in 2004 to IITM, have spent 11 happy years here.

**Message to the students:**

Take advice from alumni with a large pinch of salt. Everyone reflects his or her own life experience; yours may be very different. Do what you want to do.

**Message for the faculty and alumni:**

Working together, alumni & faculty can elevate IITM to true greatness. They are two key stakeholders in the welfare of students, and in IITM's contribution to society.

**Your future plans for interaction with IITM:**

Perhaps something less intense?





Maya Varyani [Non-alumnus]

**Why you give back to IITM:**

We give back to IIT Madras, in memory of my late husband Dr.Kamlesh Shyamdas Varyani, who studied Naval Arcitecture in IIT Kharakpur and had also worked at some point with IIT Madras. He then went on to be offered a Japanese Government Scholarship to undertake PhD in Fukuoka, Japan. Kamlesh finally took up the post as a Senior Lecturer at Glasgow University in 1990. We hope to encourage bright young minds like his to study and excel in EGINEERING by giving them an opportunity to study abroad and broaden their opportunities, just like Kamlesh.

**On your time at IIT Madras:**

I visited IIT Madras about 3 years back and met with yourself, Dr.Krishnankutty and other faculty members in Ocean Engineering department and felt at ease to establish a Trust in his name.

**Message to the students:**

Your studies are just like the beginning, the skills and knowledge you acquire will put you in good stead to succeed further like other alumni of IIT.

**Message for the faculty and alumni:**

Keep up good work as you are the channel through which we fulfill the dreams of those whom we love most.

**Your future plans for interaction with IITM:**

We plan to continue awarding this grant in memory of Kamlesh as long as possible to students. And in return, we hope to be able to see accomplishments of those students.

## Star Donors

January

Premkumar Gogineni [Non-Alumnus]  
Purpose - Prof. GVN Rayadu Memorial Prize  
Category - Endowment

Aditya Shankar [2010/BT/CS]  
Purpose - Remote Operated Vechicle for Nondestructive Evaluation of Underwater Structure  
Category - Research

February

March

Siva Shankar [1988/BT/EE]  
Purpose - Alumni Endowment Fund  
Category - Endowment

I recently changed jobs in December 2013 after a 22 year stint with Citibank. It was a period of introspection for me and also happily coincided with the silver alumni reunion of the 1988 IIT Madras batch. As I looked back, it was easy to see the huge positive impact IITM has had in my life although my career has been almost entirely in financial services. The analytical, problem solving approach that becomes second nature to IIT graduates has stood me in good stead. IITM has been a credible calling card which opened doors and provide me access to a powerful alumni network. When I thought about making a contribution to my alma mater, I did of course consider the “utility” of the B Tech degree – but what weighed the scales more was the warm and fuzzy feeling of the great time I had on campus. The friendships forged over many lunches and dinners at the hostel mess, hugely contested debates on a range of technical, moral and ethical issues with peers of significant intellect are difficult to match. Whilst IITM has many notable achievements to date, the immortal word of Robert Frost apply in equal measure to our institute – “And miles to go before I sleep”. So, it is with hope and confidence that the money will be well spent to further the institute’s ambitious plans that I make this small contribution.





April

**Ravikumar Balasubramanian [1988/BT/EE]**  
**Purpose - Alumni Endowment Fund**  
**Category - Endowment**

May

**N Harshadeep [1988/BT/CE]**  
**Purpose - Alumni Endowment Fund**  
**Category - Endowment**

I really cherish my days at IIT – the friends you make for life – the memories from bicycling all over campus, the cheese toast at Quark the SP coffee at Tarams, the editing of various campus newspapers, the no water and power during cyclones, and yes, the classes too. Even the bad times were always fun! I went on to do a Masters at Syracuse and PhD at Harvard based on the foundation at IIT. Even in my work now at the World Bank for the past 18 years working on environment and water resources, I try to help make connections of governments with academia so that both institutions can benefit. Although just a small token of appreciation, I thought that this contribution, stimulated by my attending the silver jubilee function a few months back for my 1988 batch, will be useful to make part of the dreams I heard there come true.



June

**S Venkatesh [1988/BT/CH]**  
**Purpose - Alumni Endowment Fund**  
**Category - Endowment**

July

**Venkat Viswanathan [1992/BT/CE]**  
**Purpose - Endowment**  
**Category - Endowment**

The four years I spent at IIT Madras were transformational for me personally. The strong bonds we built with students and faculty on/off classrooms and the performance / meritocratic culture that we were exposed to have stayed with me for years. After I moved back to Chennai a few years back, I welcome every opportunity to visit the campus and soak in the atmosphere. It's a privilege to have an opportunity to give back and get involved with its evolution with times.



August

**K Shanker [1971/BT/ME]**  
**Purpose - LLS Endowment**  
**Category - Endowment**



During the past few years, my interaction with our Institute gave me an opportunity to see the various works and initiatives being undertaken to make IIT Madras a truly world class Institute of learning and research. The dedicated march forward in this direction was the main motivating factor that made me voluntarily contribute to help in a small way towards growing the corpus that the Institute needs to realize its vision and at the same time repaying a very long overdue debt to the Institute for making me what I am today.

August

**KV Reddy [1972/MSc/CY]**  
**Purpose - IITM Chemistry Research Endowment Fund**  
**Category - Endowment**

I was motivated to donate by the efforts of the current faculty and students of the chemistry department that lead to the tremendous success of the 1<sup>st</sup> IITM Chemistry Alumni Reunion in February 2014



September

**Krishna Chivukula [1970/MT/AE]**  
**Purpose - IITM Student Satellite Project**  
**Category - Research**



I come from a middle class professional family, brought up in small villages in Andhra Pradesh, did my B.Tech Honors from IIT Bombay & M.Tech from IIT Madras, graduated in 1970. The IITs gave me a world class education at literally zero cost. Because of my IIT background, I was admitted to the famous Harvard Business School, where I did my MBA. Because of all this, I became hugely successful beyond my wildest dreams. I attribute all this to my days at the IITs, my professors - Dr. KAV Pandalai, Dr. Damodaran, Dr. S Krishnan and my classmates at IIT with whom I shared many, many memorable and much cherished moments. Also I am thrilled and fascinated by the initiative and imagination of the young boys and girls at IIT Madras, who conceptualized the Satellite Project. I guess this is what motivated me to contribute and will motivate me further.



Rama Divakaruni [1988/BT/EE]  
Purpose - Alumni Endowment Fund  
Category - Endowment

September

November



Kris Gopalakrishnan [1977/MSc/PH & 1979/MT/CS]  
Purpose - Prof. Mahabala Distinguished Chair  
Category - Endowment

October



Lalit Chowdhary [1986/BT/EE]  
Purpose - Sponsor-A-Student  
Category - Education & Training

My motivation was all the friends and batch mates who have contributed back. I am happy to make my contribution and hope to do it more regularly.

Hetunandan Kamichetty [2003/BT/CS]  
Purpose - Sponsor-A-Student  
Category - Education & Training

November

October

Prasad Kaipa [1983/Ph.D./PH]  
Purpose - LLS Endowment  
Category - Endowment

I donated because I love what you are doing at IITM to make it world class and create educational and entrepreneurial ecosystem around IITM. I value what I learned there and it is my privilege and honor to share and give back.



December



Krishna Chivukula [1970/MT/AE]  
Purpose - IIT Madras Satellite Project  
Category - Research





## Distinguished Alumni Awards

IIT Madras continues to acknowledge and honor excellence and outstanding achievements of their alumni through the prestigious Distinguished Alumni Award. Instituted in 1996, the award has consistently grown in stature. A total of 90 inspiring nominations were received by the Office of Alumni Relations this year under five different categories:

- Academic Excellence
- Technology Innovation Excellence
- Managerial Excellence
- Entrepreneurial Excellence
- Excellence in Other Walks of Life

The number of awards has been increased from 8 to 10 this year. The Distinguished Alumnus Award is an exclusive award, marking exceptional achievements in the fore-mentioned areas. It has been awarded to just 113 alumni since inception eighteen years ago. A selection committee appointed by the Director, IITM, selects the winners and the awards are given out on Institute Day in April each year.





**Dr. Sridhar Ramaswamy [1989/BT/CS]**  
 Senior Vice President, Search Advertising,  
 Google Inc, California, USA

Dr. Sridhar Ramaswamy obtained his B.Tech. in Computer Science & Engineering from IIT Madras in 1989, and went on to complete his M.S. and Ph.D. in Computer Science at Brown University, USA, obtaining his doctorate in 1994.

Dr. Ramaswamy's early research focused on database theory and systems, and resulted in a number of patents and publications on database systems and theory in highly-regarded journals. He began his career at Bell Communications Research and later became a Scientist at Bell Labs in Murray Hill, where his innovations included the AQUA database that pioneered the new direction of giving very fast approximate answers to queries. Prior to joining Google, he held several roles at E.piphany, including Director of Engineering for E.piphany's Analytic Platform.

Dr. Ramaswamy joined Google in 2003 as a software engineer in the ads infrastructure team. He rose

rapidly through the ranks of the Search Advertising team to become Senior Vice President of Engineering in 2011. He is currently responsible for all of Google's Advertising and Commerce products, which generated over 40 billion USD in revenue in 2013. This success is largely realized through the power of algorithms and systems. Innovation in search and display advertising demands a blend of state-of-the-art computer science and microeconomic theory to deliver an experience that is effective for advertisers and relevant and useful for users - a demand that Dr. Ramaswamy has satisfied in full measure.

In recognition of Dr. Sridhar Ramaswamy's prowess in blending technology and microeconomic theory, IIT Madras and its alumni are proud to confer him this award.

**Dr. Lalgudi V Ramanathan [1969/BT/MT]**  
 Senior Scientist,  
 Energy and Nuclear Research Institute,  
 Sao Paulo, Brazil



Dr. Lalgudi V Ramanathan obtained his B.Tech. in Metallurgy from IIT Madras in 1969 and his M.Sc. and Ph.D. in Corrosion Science and Engineering from John Cass College of Science and Engineering, London.

Dr. Ramanathan's interests took him to Brazil where he was invited to be a part of their then-nascent nuclear program as a young scientist in the Energy and Nuclear Research Institute. Over the next three decades, he established himself as an outstanding researcher, academician, consultant and technical manager. Today, he is considered a global authority in the field of corrosion engineering especially for nuclear materials. Dr. Ramanathan steadily rose through the managerial hierarchy to head the Materials Science and Technology Center at the Energy and Nuclear Research Institute from 2005 till 2013.

His research involved pioneering work in the areas of rare-earth oxide coatings to mitigate high-temperature degradation of metallic materials, coatings to protect spent fuel from research reactors during long term

wet storage, and nano-structured coatings to resist high-temperature erosion-oxidation. He has been a voluntary and accredited postgraduate Professor at the University of São Paulo since 1979, teaching a course on "Corrosion/Oxidation of Nuclear Materials and its Prevention".

Dr. Ramanathan has won many awards and medals, including the Distinguished Service Medal from the Energy and Nuclear Research Institute in 1998 and the Brazilian Science Research Council (CNPq) Scholarship (continuously from 1989) for scientific output. He is an elected Fellow of the Institute of Materials, UK and the Institute of Corrosion, UK; and Chartered Engineer, The Engineering Council, UK.

In recognition of Dr. Ramanathan's impressive all-round contributions to technology, research and academics in the field of corrosion engineering in nuclear applications, IIT Madras and its alumni are proud to confer him this award.



**Dr. Krishnan Raghavachari [1975/MSc/CY]**  
**Prof. of Theoretical Chemistry,**  
**Indiana University, Indiana, USA**

Professor Krishnan Raghavachari has an internationally-recognized research program in theoretical and computational chemistry. After obtaining his M.Sc. in Chemistry from IIT Madras in 1975, he joined Carnegie-Mellon University to work with Professor of Theoretical Chemistry and Nobel Laureate, Sir John Pople, and earned his Ph.D. in 1981. During his career, Prof. Raghavachari developed a range of new theoretical methods and algorithms that have been instrumental in the widespread use of computational chemistry by non-experts. He has made many key contributions to the famous and widely-used “Gaussian” program, recognized by the Nobel Committee in its award to Prof. Pople.

Prof. Raghavachari joined Bell Laboratories in 1981, and received their Distinguished Researcher Award in 1987. In 2002, he joined Indiana University as a Professor of Chemistry and was selected as a Distinguished Professor in 2014. Research in his group focuses on new developments in electronic structure theory along with challenging applications in structures, chemistry, mechanisms and properties of molecules and materials. The work is collaborative and multidisciplinary in scope, covering the areas of Chemistry, Physics, Materials Science and Biochemistry. He has made seminal contributions

to the development and application of electron correlation techniques in computational quantum chemistry. In particular, his analysis of the nature of “three electron correlation” effects led to the accurate and highly-successful method, labeled CCSD (T) that has been termed as the “gold standard of quantum chemistry”. He has authored over 325 scientific papers in many areas of chemistry. His papers have been cited more than 50,000 times, making him one of the highest-cited scientists of Indian origin.

Prof. Raghavachari has received many honors and awards. He was elected Fellow of the American Physical Society in 2001 and Fellow of the Royal Society of Chemistry in 2008. He served as the Chair of the Theoretical Chemistry subdivision of the American Chemical Society in 2006. He received the Davison-Germer Prize in Surface Physics in 2009. In 2010, he was elected as a member of the International Academy of Quantum Molecular Science, the highest honor in his field.

In recognition of Prof. Krishnan Raghavachari’s distinguished academic career and research contributions in the field of computational quantum chemistry, IIT Madras and its alumni are proud to confer him this award.

#### **On your time at IIT Madras:**

I secured the All India first rank in JEE in 1970, but decided to follow my interest in pure science rather than engineering. After completing my BSc in Chemistry, I came to IIT-Madras for my Masters. As a resident of the Mandakini, I enjoyed playing various games in the hostel – carrom, table tennis, badminton. I enjoyed my IIT life both personally and professionally. I was involved in the early years of the Mardi Gras, and with my guide (Prof Subramanian) overseeing the festival, I very much enjoyed being part of the proceedings. I remember the movies at the OAT, roaming around the beautiful campus, and visiting Sarayu girls' hostel to meet my classmate Akola whom I married two years after graduation.

#### **Life after the Institute:**

Post-IIT, I went to US for higher studies and did my Phd in Chemistry from Carnegie Mellon University. I had the good fortune of working with Prof. John Pople, a Nobel Prize winner in Chemistry. Later, I joined the well-known Bell Laboratories to continue my research career independently. Bell labs provided me with an incredibly stimulating scientific environment; I spent nearly 22 years there. I moved to Indiana University in 2002, and currently hold the title of Distinguished Professor of Chemistry. I have authored about 350 papers in Chemistry and am one of the most cited chemists’ globally.

#### **Message to the students:**

Be passionate about what you are doing. I, for example, had the wonderful opportunity of doing my undergraduate study at IIT but still chose to follow my dream of working in pure science. The future will be challenging but exciting. Equip yourself with as much knowledge as possible to face it successfully

#### **Message for the faculty:**

My wonderful education within the IIT system is thanks to the amazing faculty there. However, I would like to see more focus on research. I hope IIT Madras will soon find a place among the world's top 50 universities for research. I have full confidence that it will reach there with the efforts of its erudite professors and hardworking students.

#### **Message for the alumni:**

I would like to see alumni-Institute relations at IITM along the lines of Harvard or MIT. IITM should adopt new ideas to build a powerful alumni network which will help foist the Institute to the next level. It is also important for alumni to be proud that they are part of an institute like IITM; they should stay in touch and give back in some form or another. Networking is very important for the future growth of IITM. I, for one, am extremely proud to be an IITian, and will spare no effort in staying connected with my alma mater.





**Dr. Venkatraman Sadanand [1978/BT/EE]**  
Associate Professor, Neurosurgery,  
Loma Linda University Medical Center,  
Loma Linda, CA, USA

Dr. Venkatraman Sadanand obtained his B.Tech. in Electrical Engineering from IIT Madras in 1978. He then completed his M.S. and Ph.D. in Economics at the California Institute of Technology, obtaining his doctorate in 1983. He was an accomplished Professor of Economics for more than a decade, with a keen involvement in research and education and received a number of awards for teaching. He also published extensively in the area of Game Theory and Economic Competition in leading Economics journals including the Journal of Economic Theory.

Driven by his deep-seated desire to serve others in a direct capacity, Dr. Sadanand threw himself fully into medical studies and completed the M.D. program at the University of Toronto, following which he chose the field of Neurosurgery. He went on to subspecialize in the discipline of Pediatric Neurosurgery and epilepsy. He continues to teach and perform surgeries at hospitals in Canada, India and USA, while grooming

the next generation of neurosurgeons. His research now focuses on the areas of biology of brain tumors, brain plasticity, signal processing to develop a 3-D map of the brain, and health economics. He has also been an innovator in the development of new surgical techniques, especially in the surgical and post-surgical treatment of epilepsy.

Besides his teaching, clinical and research work, Dr. Sadanand devotes his time and energy to humanitarian services rendered through several organizations, providing free healthcare in many parts of the world by conducting free medical camps and surgeries.

In recognition of Dr. Sadanand's remarkable success in the engineering and medical professions, and his contributions in the service of his fellow humans, IIT Madras and its alumni are proud to confer him this award.

**Prof. Ramesh Govindan [1987/BT/CS]**  
Professor,  
Department of Computer Science,  
University of Southern California, USA



Prof. Ramesh Govindan obtained his B.Tech. in Computer Science & Engineering from IIT Madras in 1987, later completing his M.S. and Ph.D. in Computer Science at the University of California, Berkeley, and obtaining his doctorate in 1992.

Prof. Govindan has made seminal contributions to several sub-fields in computer networking, including internet routing and networked sensing. He was one of the earliest researchers to study the internet packet routing system and was also among the first to map the internet. His "Mercator" network-mapper produced extensive views of the internet backbone at the time. He also devised novel methods to improve the accuracy of these maps.

Prof. Govindan's most recent contributions have been in the area of wireless networked sensing. Two of his early papers in the field of directed diffusion and geographic hash-tables illustrated both the

challenges posed by wireless networks of sensors, and the opportunities for novel designs. Subsequently, his group made fundamental contributions to geographic routing in wireless and sensor networks, exploring a novel network architecture called "Tenet" for wireless sensing that factors in network functionality in a way that promotes code reuse and simplifies application development.

Prof. Govindan is a Fellow of the Association of Computing Machinery, a Fellow of the Institution of Electrical and Electronics Engineers, and the winner of many Best Paper awards. Until recently, he served as Editor-in-Chief of the IEEE Transactions on Mobile Computing.

In recognition of Prof. Ramesh Govindan's academic excellence and research contributions in the field of computer networking and network sensing, IIT Madras and its alumni are proud to confer him this award.



## Raju Venkatraman [1981/BT/CH] Managing Director & CEO, MEDALL Healthcare Pvt. Ltd., Chennai, India

Raju Venkatraman, popularly known as Raju, obtained his B.Tech. in Chemical Engineering in 1981 from IIT Madras and completed an executive MBA, including a 3-tier training program, at the Indian Institute of Management, Ahmedabad. He also has a Diploma in Quality Education Systems from the General Motors Institute, USA.

Mr. Venkatraman has always led from the front, ever since starting his career with Cadbury-Schweppes. At Electronic Data Systems (EDS), he pioneered the innovation and application of Digital Imaging Technology. He led the team in the integration of Raster Image Scanning and Tagged Image File Formats with files, compression techniques, optical disk storage, and early adoption of Ethernet communication. The founder of Vetri Systems, he was also a pioneer in Business Process Outsourcing in bringing work to India rather than getting the work done in the USA. In this sector, his contributions include adoption of satellite technology for data transmission. He also initiated the movement of BPO to tier-2 and tier-3 cities in India, opening up many job opportunities in those areas.

Currently as the MD and CEO of Medall Healthcare

Private Limited, Mr. Venkatraman is taking healthcare diagnostics, wellness and preventive care to several small towns across Tamil Nadu, Karnataka, Andhra Pradesh, Kerala and Maharashtra. Medall is partnering with several organizations, including IIT Madras, in providing 24X7 counseling services for students at IITM.

Mr. Venkatraman has been honored with the AIIM Excellence Award. He has been recognized as one of the top 50 entrepreneurs in Michigan for the years 1994 and 1995, and was the recipient of the "American Dreamers" award from Crain's Business Magazine for the year 1999. For close to two decades, Mr. Venkatraman has been associated with Young Presidents' Organization (YPO). He is the Chairman for TiECON2013 Chennai Chapter, and also Senior Vice President, MMA(Madras Management Association). He strongly believes in mentoring young entrepreneurs, and is equally passionate about playing basketball.

In recognition of Raju Venkatraman's contributions as an entrepreneur, leader and manager, IIT Madras and its alumni are proud to confer him IIT Madras Distinguished Alumnus Award.

### Why you give back to IITM:

I share an emotional bond with IITM and even today cherish fond memories of my time there. I know that the funds IITM receives is well-spent for deserving causes and also managed well.

### On your time at IIT Madras:

During my days at IITM, I volunteered for several activities like the organisation of the Mardi Gras and Inter-IIT events. I played a role in the student council and was also sports secretary of the Institute during which time we won the 10<sup>th</sup> consecutive Inter IIT championship. I also spearheaded the effort to scale up Gerhard Fisher to a national invitational inter collegiate basketball tournament. My memories of IIT can be divided into different buckets. One is academics and the other, friends. The academic system at IIT was a huge cultural shift for students coming from regimental schooling systems. Simple yet impressive things, such as the option to provide feedback about professors, left a deep impact on me and conditioned me to expect similar things wherever I went later. I consider myself fortunate to have been at IIT during a time when there was no Internet. This gave us a lot of time to mingle with colleagues and co-residents and engage in discussions and debates. This helped forge bonds of lifelong friendships.

### Life after the Institute:

After IIT, I joined Cadbury India as a Management Trainee, a very unconventional choice at a time when almost everyone went abroad for further studies. My

job gave me exposure to Kashmir, villages in Kerala and Maharashtra. I was one of the key persons involved in bringing computers to Cadbury. In 1985, I decided to go to the USA to work for EDS. I was one of the pioneers in digital imaging technology implementation and built a 100 million dollar per year business for EDS. The entrepreneurial bug bit me in 1991 and I founded a company called Vetri Systems in USA. In 1992, when the INSAT satellite was commissioned, I started a subsidiary in India to bring outsourced work from US and Europe. You can call me a serial entrepreneur as I have 3 successful start-ups behind me. I sold two companies and took one public. I am currently working in the area of preventive healthcare in India and I'm very passionate about it.

### Message for the faculty:

I am grateful to all my teachers and professors at IIT who I would say were responsible for my transition from science/engineering to management. It would be great to see professors connect with students and inspire them during fire side chats. They could motivate students in finding their passion and instil in them a sense of self-belief. This would be a great way to empower them to make a difference in the world.

### Message to the students:

In the long term, everyone meets every financial goal that they set for themselves and therefore, it is important to follow things that they care about and are passionate for. People don't care how much you know till they know how much you care!





**Anil Ananthaswamy [1985/BT/EE]**  
**Science Writer & Consultant,**  
**“New Scientist”,**  
**Author, “The Edge of Physics”,**  
**Berkeley, California**

Anil Ananthaswamy obtained his B.Tech. in Electrical Engineering from IIT Madras in 1985, and went on to complete his M.S. in Electrical Engineering at the University of Washington, Seattle in 1987.

A journalist, writer and author, his foray into writing began during his initial stint in the software industry, when he wrote a book on data communications and object-oriented programming. He found his passion, and boldly ventured into science journalism. He obtained a Science Writing Graduate Certificate in 2000 at the University of California, Santa Cruz. In 2005, he came up with the radical idea of combining science journalism and travel writing. This led him to different corners of the world, specifically to remote and inhospitable locations. In this grand adventure, he covered six continents, exploring a variety of exotic locations, ranging from the Atacama deserts in the Chilean Andes to the frozen recesses of Siberia. His experiences over a period of 3.5 years in extreme conditions resulted in a book called “The Edge of Physics” which combined the two genres of popular science and travel-writing and was published in 2010. “The Edge of Physics” was widely reviewed to critical acclaim by newspapers and magazines around the

world, and has been variously described as “brilliant”, “the ultimate physics-adventure travelogue”, and “a wonder-steeped page-turner”.

Mr. Ananthaswamy won the inaugural Physics Journalism Prize instituted by the UK’s Institute of Physics for his feature for New Scientist on the “Square Kilometer Array” (the world’s biggest radio telescope) in 2012. In 2013, he won the best investigative journalism award for his long-form feature for MATTER magazine on “Body Integrity Identity Disorder”, a neurological condition in which people feel that their limbs do not belong to them and go to great lengths to self-amputate.

Anil continues to write for New Scientist magazine and other outlets. He has specialized in writing about physics, neuroscience and climate change. He is currently working on his next book titled “Maladies of the Self”, which explores the neuroscience of the sense of the self.

In recognition of Mr. Ananthaswamy’s vast expertise, varied experiences, and his success in the less-trodden path of science journalism, IIT Madras and its alumni are proud to confer him this award.

**On your time at IIT Madras:**

I completed my B.Tech in Electrical Engineering. I first stayed at Mandakini but later shifted to Ganga. Life at Chennai was very different from my hometown in Madhya Pradesh. All in all, it was an enriching experience, particularly my campus life. I have distinct memories of the long jogs I used to do from my hostel until the main gate and the weekend movies I used to watch at the OAT.

**Life after the Institute:**

After my under-graduation, I moved to the US to pursue further studies in Computer Science at the University of Delaware. I worked as a software engineer in California for almost seven years but soon realised that my passion lay elsewhere. I quit my career as a software engineer and took up writing. For a year (1999-2000), I trained as a journalist at the University of California, Santa Cruz. I consider this change a significant one but one of the best decisions I have made in my life.

I have been a writer since 2000. I have been employed with the New Scientist Magazine in London doing various roles; I am currently a consultant with them. I love my work as it gives me a chance to explore and learn new things every week; this is what I enjoyed most about my stay in IITM as well. Writing has opened new horizons for me in my life and gifted me

an ongoing learning process.

I also contribute to the National Geographic news and love the exposure it gives me in my interactions with different people. I undertook several trips before scripting the book ‘The Edge of Physics’ (published as ‘The Edge of Reason by Penguin, India).

**Message to the students:**

I believe it is very difficult for a student to identify what he/she wants to do post-graduation. Explore all possibilities and be passionate about learning; learn to do your work with your own hands. This earns you experience and the joy of working. If you pursue what you truly enjoy, whether it is software or writing, it gives an inner peace and happiness and that’s all that really matters.

**Message for the faculty and alumni:**

The faculty at IITM is extremely committed towards developing the student. I owe my personal success to IITM. The brilliant professors and amazing students gave me a conducive environment to grow in and become confident to face the challenges of the real world. I urge all alumni to be proud of their alma mater; please remain connected and give back to the Institute which shaped you.



**Prof. Anant Agarwal [1982/BT/EE]**  
**Professor, Electrical Engineering &**  
**Computer Science**  
**Massachusetts Institute of Technology,**  
**President, edX, USA**

Professor Anant Agarwal obtained his B.Tech. in Electrical Engineering from IIT Madras in 1982, and went on to do his M.S. and Ph.D. in Electrical Engineering at Stanford University, USA, obtaining his doctorate in 1987.

A member of the faculty at Massachusetts Institute of Technology since January 1988, he is currently the President of edX, a worldwide, online learning initiative from MIT and Harvard University. This transformative online learning platform is designed to offer courses featuring video lesson segments, embedded quizzes, immediate feedback, student-ranked questions and answers, online laboratories and student-paced learning. Prof. Agarwal is a visionary and a strong proponent of the blended learning model and MOOCs (Massive Online Open Courses) which can help revolutionize education.

Having taken many innovative technologies out of academia to form start-ups, he is also the founder of

Tilera Corporation, which created the “Tile” multicore processor. In his research, he led the “Carbon Project”, which developed new scalable multicore architectures, a new operating system for multicore and clouds called “fos” and a distributed, parallel simulator for multicore and clouds called “Graphite”.

Prof. Agarwal has won numerous honors for his teaching, research and entrepreneurial successes. His work on organic computing was selected by Scientific American as one of 10 “World-Changing Ideas” in 2011. He has been named in Forbes’ list of top 15 education innovators in 2012. He has also won many teaching honors at MIT, including the Smullin and Jamieson awards.

In recognition of Prof. Anant Agarwal’s outstanding career in varied roles as an excellent teacher, a visionary in education, a researcher and a path-breaking technologist, IIT Madras and its alumni are proud to confer on him this award.

#### **On your time at IIT Madras:**

Joining IIT Madras was a great achievement during my college days and it is still the same today. I come from Mangalore, a small coastal town (not Bangalore!). I remember thinking that it was a big deal when I joined IITM in 1977 as not too many students from my hometown got a seat there. Most of the students joining IITM came from metro cities thanks to the facilities and resources they had to prepare themselves for the entrance exams.

In fact, most people from my town did not even know what IITM was. One of them actually thought I was joining ITI, a local polytechnic college.

I had a lot of fun during my stay at IITM. I spent my leisure time seeing movies at the OAT. I recall a professor teaching microeconomics who used to crack PJs (Poor Jokes) all the time. While returning the answer books of the exams, one of my friends couldn’t locate the grade on his answer sheet. So, when he asked the professor about it, the professor said, “Oh! You got an F grade.” My friend questioned him back as to where the grade was written on the answer sheet. The professor then showed him a tiny letter on his answer book. My friend was surprised

but the professor said, “This is a microeconomics course so it is written quite small.”

#### **Life after the Institute:**

IITM did a very good job of preparing me to face the real world. The courses were hard and it was tough going. I learned to work with other students, to collaborate as teams and to learn from each other. This has been hugely helpful to me in my career as well as in my life.

#### **Message to the students:**

Students should be ambitious and reach for the stars. Do not take the safe path and pursue a hard working career. Failing every once in a while is a good thing as it shows that you are being aggressive and stretching to achieve your ambitions. Something is not right if success comes too easily.

#### **Message for the faculty:**

I owe the faculty a great debt of gratitude. They inspired me when I was an undergraduate. I hope they can reinvent the future of education together with the students.





**Dr. Tirumalai S Sudarshan [1976/BT/MT]**  
President and Chief Executive Officer,  
Materials Modification Inc., Virginia, USA

Dr. T S Sudarshan obtained his B.Tech. in Metallurgy from IIT Madras in 1976, and later completed his M.S. and Ph.D. in Materials Engineering Science at Virginia Tech, USA. He worked at Ashok Leyland as a Senior Metallurgist and established a modern metallurgical laboratory and managed various research programs.

He is currently the President and CEO of Materials Modification Inc., which is at the forefront of research, development and commercialization of advanced materials utilizing novel processing techniques. Throughout his illustrious career, he has demonstrated technological leadership for over three decades and has worked extensively in the areas of nanotechnology and surface-engineering for which he is very well known internationally. He has patented and developed a self-lubricating automotive product that is used globally and Nanogen and Plasma Pressure Compaction for which he holds several patents. He has also developed “GroKlot” for the US Army to control and stop bleeding, “Silvamat” for mitigating burns and “Garad” suits for protection from gamma radiation. Through his leadership, he

has raised over 60 million USD in funding for very high-risk, high-payoff advanced technology-related programs in several non-traditional areas.

Dr. Sudarshan is a Fellow of ASM International, USA; Fellow of International Federation on Heat Treatment and Surface Engineering, UK; and Fellow of Institute of Mining, Metals and Materials, UK. He was the winner of the R&D 100 Award for Nanogen in 1998, the Design News Award, and R&D 100 Award for Plasma Pressure Compaction in 1999. He was recognized as “Outstanding Young Manufacturing Engineer” by the Society of Manufacturing Engineers in 1990. Apart from holding numerous patents, Dr. Sudarshan has published over 170 papers, edited 29 books and is also the editor of two international journals – Surface Engineering, and Materials and Manufacturing Processes – for more than 2 decades.

In recognition of Dr. T S Sudarshan’s professional accomplishments and entrepreneurial excellence, IIT Madras and its alumni are proud to confer him this award.

**Kannan Lakshminarayan [1988/BT/ME]**  
Founder & Managing Trustee,  
Fractal Foundation, Chennai, India



Kannan Lakshminarayan obtained his B.Tech. in Mechanical Engineering from IIT Madras in 1988. A serial entrepreneur and innovator, he has founded a number of for-profit and not-for-profit organizations. He started the Sunbeam Group of Schools in Vellore in 1989 and in 2001, founded Vortex Engineering (P) Ltd. Vortex is a sustainable business that builds and delivers technology solutions targeted at financial inclusion, pioneering the concept of rural ATM machines. Through Vortex, he developed a range of ATMs—Gramateller-Indi, Gramateller-Duo and EcoTeller—all of them optionally solar-powered. Vortex has successfully deployed ATMs with leading banks across most states in India, especially in small towns and villages. The products and solutions are specially designed to suit conditions unique to the rural segment where the power supply is erratic, the literacy levels of end users are low, and the terrain is rough.

Mr. Lakshminarayan has developed a spinning machine to operate on a small-to-medium scale,

which was thought to be impossible. These are now in use at many centers throughout India, and gave rise to a designer fabric called “Malkha”. He founded Microspin Machine Works (P) Ltd. in 2011 to deliver this as a market-driven solution for cotton growers and small producers in the cotton value-chain. He also founded Skillveri Training Solutions (P) Ltd. in 2013 to develop affordable training simulators for different industrial skills, to address the skill-gap.

Kannan is an inventor holding six pending patents on ATM technologies and two inventions pending patents on micro-spinning. He has also mentored several innovations under the aegis of Fractal Foundation, two of which are pending patents. He has delivered a number of acclaimed one-off original solutions in the domains of energy, food processing and healthcare.

In recognition of Kannan Lakshminarayan’s innovations and pioneering work in sustainable solutions for the rural environment, IIT Madras and its alumni are proud to confer him this award.





## Research

- Professor Mahabala Distinguished Chair
- Professor Perry L Blackshear Institute Chair
- IIT Madras Satellite Project Update
- Research on Water Behaviour in a Turret
- Remote Operated Vehicle for Non-destructive Evaluation of Underwater Structures
- Research on Biomass Conversion

The Institute aspires to be known as the best educational research institute in the country in all the areas it is engaged in. It aims to improve research input in terms of both human and physical resources; and to facilitate a better ambience for research by continually improving research infrastructure and providing greater flexibility to enhance performance of faculty members and scholars.

IITM wants to increase the value of total funded research from approximately ₹250 crores to ₹500 crores. The Institute aspires to produce MS and PhD graduates with high employer reputation; it seeks to publish a large fraction of papers in globally recognized leading journals and to make significant contributions to the technology needs of the nation especially in areas where there is a significant societal impact.



# Professor Mahabala Distinguished Chair

Endowed by  
**Kris Gopalakrishnan**  
IITM alumnus &  
Co-Founder, Infosys

**3 chairs**  
in  
Computational  
Brain Research

₹  
**10 crores**  
each

Said **Kris Gopalakrishnan**, “I have benefitted a lot from my time at IIT Madras. I got a fantastic education. I was introduced to computers while at IIT, and my life was changed by the stint here. I am grateful to my teachers, and creating this Chair in the name of Prof. Mahabala is my way of saying 'thanks' to my teachers”.

Said **Prof. Mahabala**, “We suspect that the brain is organized similar to a computer with various functions such as neuron networks and software algorithms. Whereas computers tend to be fixed in their operation, they are not as yet self-organizing based on experience. The brain starts off with the small input of an idea, and soon enhances it based on thinking and experimentation. We have to conduct research into brain models and its self-organizing algorithms.”



Dr. Prakash Keshaviah  
[1967/BT/ME]

**1 chair**  
in Biomedical Engineering

**Endowment of  
₹50 lakhs**



Launched on 27<sup>th</sup> August 2014

First Alumnus-funded  
“Institute Chair” in  
Biomedical Engineering  
in the name of  
Prof. Perry L Blackshear



Supported by  
**Indo-US MIM Tec. Pvt. Ltd.**

**₹150 lakhs**  
towards the student-led,  
nano-satellite initiative  
**IITMSAT**

**Started January 2010**

**Team > 50 students**

- A Low Earth Orbit (LEO) satellite. The 12.5 kg satellite will orbit the earth at an altitude of 600 to 900 kms
- Mission life: one year
- Objective: To collect data about the precipitation of high-energy electrons & protons from the Van Allen Belts in upper ionosphere
- Correlate with natural phenomena that cause these perturbations
- Data will be transmitted to the ground station IITM campus

- Detailed review completed by ISRO
- Presently in the Integration & Validation Phase
- Project supported by the Institute & alumni

**Sponsored by  
Krishna Chivukula**

- **Estimated to be ready for launch by end 2015**

“This partnership between Indo-MIM & IIT Madras represents a new dawn of collaborative initiatives that can have far-reaching benefits for technology & society in India”

Prof. Nagarajan, Dean, I & AR

**Indo-MIM (Indo-US MIM Tec. Pvt. Ltd.)**

- Headquartered in Bangalore
- Leading global supplier of precision-engineered products using Metal Injection Molding (MIM)
- Started in 1998 with sales offices in India, China, USA & Germany
- Dr. Krishna Chivukula, Founder Chairman & first-generation entrepreneur
- Alumnus of IIT Madras



## Research on Water Behaviour in a Turret

Funded by  
**K Shanker**  
[1971/BT/ME]  
Technip Solutions

Funding  
**₹9,84,000**

**Project lead: Prof. Dr. P Krishnankutty**

**Project duration:** 1 year

**Objective:** To determine the FLNG motions & turret pit water column oscillations in transit & different wave conditions

## Remote Operated Vehicle for Non-destructive Evaluation of Underwater Structures

Funding  
**₹5,00,000**

Underwater robotics will extend reach for automating underwater surveys & inspection

**Objective:**

- To build a prototype of the Autonomous Underwater Vehicle
- To develop robust indigenous technology for use in oil & gas pipeline inspection, underwater bridge inspection & bathymetric surveys

Funded by  
**Aditya Shankar [2010/BT/CS]**



# Research on Biomass Conversion



**Sponsored by Chevron**

**Funding ₹15,37,929**

■ Conducted by Asst. Prof. Dr. R Vinu



■ Research on (catalytic) fast pyrolysis & microwave assisted pyrolysis to convert biomasses of Indian origin, municipal solid wastes, waste plastics & microalgae to fuel intermediates & value added products

■ Study demonstrated that fly ash, an industrial waste, is an efficient susceptor for bio-oil production from juliflora



■ Currently exploring the selective production of organic compounds from microalgae such as spirulina sp., nannochloropsis sp & schizochytrium sp. via catalytic fast pyrolysis using zeolites & noble metal-substituted alumina catalysts



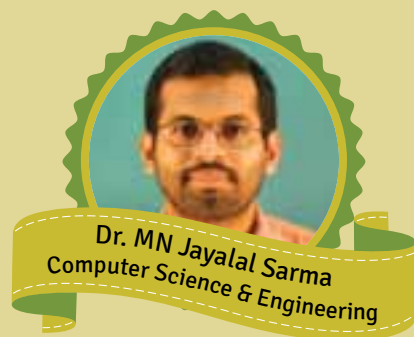
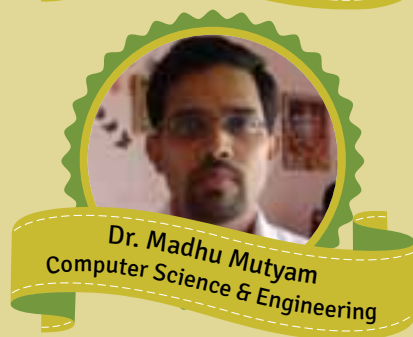
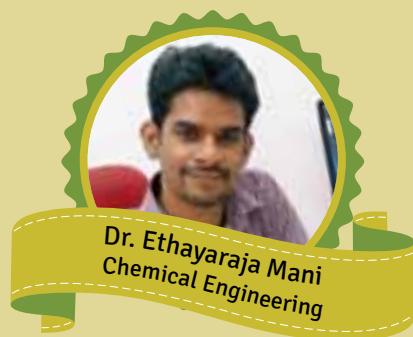
## Education and Training

- Young Faculty Recognition Award
- Excellence in Teaching Award
- Shoma & Prasad Setty Student Distress Fund Endowment
- Shoma & Prasad Setty PhD 6 Months Fellowship Endowment
- KS Varyani Trust
- 64 Foundation Freeship
- SSAN Ananya Trust
- General Alumni Endowment Fund
- Travel Grant
- Awards & Scholarships for Students
- Institute Day & DA Forum
- Sponsor a Student

The course programs at IITM are developed with well defined objectives and outcomes. In order to broaden horizons, the curriculum is structured such that there is opportunity for multi-disciplinary diversification through electives. The Institute also offers industry oriented on-line courses with relevant certification. In all, IITM aims to offer 2000 courses each year with 700 faculty members by 2020.



## Young Faculty Recognition Award



## Excellence in Teaching Award

- The Srimathi Marti Annapurna Gurunath Award for Excellence in Teaching endowed by alumnus, Prof. Marti Subrahmanyam [1967/BT/ME] (Stern School of Business, New York University) & awarded during Institute Day
- 2014 recipient - Prof. Devdas Menon, Department of Civil Engineering



## Shoma & Prasad Setty Student Distress Fund Endowment

**Funded by**  
**Prasad Setty [1992/BT/CH]**

**Endowment**  
**₹29,57,118**

### Student Distress Fund

- Sponsored by alumni
- Covers large, unexpected expenses incurred by student due to personal or medical emergencies

- Student nominated by faculty advisor and HOD
- Selection committee - Dean of Academic Courses & Dean of International & Alumni Relations

### 2014 Beneficiaries

- Mohammad Salim Khan (CE12B094)
- Vincent Gerard Francis (BT08D026)
- Shamshad Ahmad (AE11B031)





# Shoma & Prasad Setty PhD 6 Months Fellowship Endowment

Funded by  
**Prasad Setty [1992/BT/CH]**  
Funding amount  
**₹29.57 lakhs**

## Shedding of Fouling and Slagging Deposits

Deposition of fly ash particles on to heat-transfer surfaces offers more resistance to heat transfer, reduces the flow area, causes corrosion and erosion of boiler tubes, and affects the aerodynamic flow of flue gas. Such deposits, termed as fouling and slagging, are often one of the reasons for unscheduled boiler shut-down for maintenance. Hence, developing an understanding of and predictive ability for fly ash deposition are essential to avoid unscheduled power outages, and to schedule boiler maintenance.

With an aim of predicting and validating the qualitative deposit growth profile in terms of reduction in heat flux, two coals of varying ash content had been studied by the author in his Ph.D. thesis. It is inferred that irrespective of amount of ash loading in the flue gas, deposits shed at different time intervals. During the shedding – termed as removal of deposit by its weight – a sudden increase in heat-flux is observed and followed by a rapid decrease in the heat-flux. Hence, shedding is a desirable event to increase the thermal efficiency of the power plant; however, a clear understanding on mechanism of shedding is required in order to accurately predict the deposit growth profile. Hence, the aim of the present study is to develop a model to investigate the phenomena of shedding.

I'm truly honored to be the recipient of the prestigious Fellowship funded by Mr. Prasad Setty. Owing to the Fellowship, my monthly scholarship has been increased to ₹45,000.

S Balakrishnan, PhD Scholar, Department of Chemical Engineering.



# KS Varyani Trust

External trust established by  
Maya Varyani in memory of husband,  
**Dr. Kamlesh Shyamdas Varyani**  
former faculty member,  
Department of Ocean Engineering

Dr. Varyani was also attached to the Department  
of Naval Architecture and Marine Engineering at  
Universities of Glasgow and Strathclyde, UK

## Annual return

**₹8 lakhs**

Funds disbursed in two equal  
installments (June & January)  
as reimbursements



- Offers financial support to deserving students for travel to the UK to pursue M.S. or Ph.D., or other study options in the field of naval architecture and ocean engineering
- Candidates selected by committee within Department of Ocean Engineering  
Chairperson - Head of the Department



## Richards C S

It is my great honor to be a recipient of Dr. KS Varyani Memorial award provided by the Office of International and Alumni Relations, IIT Madras. To be funded by this award for my higher studies which is a major mile stone and the dream of my life as a student, I cannot thank the IAR, IITM and the sponsor Mrs. Maya Varyani enough. Especially during these times when many foreign universities are steadily increasing the tuition fees and reducing the financial aids, the value of this award increases even more. I will always be grateful to IIT Madras and IAR for this great support. I hope many other awards like this would be given by our institute, to help our students achieve their dreams and ambitions and help the name of our institution and nation shine more. Thank you.



An alumni initiative that provides financial support to deserving students in addition to merit scholarships.

B.Tech and Dual degree - 4 year support  
MSc and MA - 2 year support

Criteria:

- Should have been at IITM since July 2012
- Annual parental income under ₹4.5 lakhs

**2014 - 274 student recipients at ₹12,000/year each**

"I am a 4<sup>th</sup> semester M.Sc. Mathematics student. I have been receiving this scholarship, 50% of my tuition fee and ₹1,000 per month, from the 2<sup>nd</sup> semester. It is a great help in meeting my needs and eases the burden off my parents."  
**Gyan Ranjan**



"The perfect reward for students who perform consistently well in their academics. This scholarship was very useful for me."  
**Paresh Baidya**



"I am doing my MSc in Chemistry. Although I have taken study loan from SBI, this scholarship helps me a lot in buying books and other stationary. I am very fortunate and glad to get this support."  
**P Rajkumar**



"The scholarship was really helpful for a student like me. I thank the authorities for that."  
**Sudipta Ray**



Trust set up by  
**Sunderam Swaminathan**  
[1969/BT/ME]  
in August 2013  
₹503 lakhs



**Objective : To provide interest-free loans to B.Tech & Dual Degree students who are unable to pay tuition & accommodation fees**

**Beneficiaries**  
2013 - 3  
2014 - 3



For more details log on to  
<http://ssantrust.org/>



Student beneficiaries of the SSAN Ananya Trust

# General Alumni Endowment Fund

# Travel Grant



## Contributions

**1985 batch: ₹266 lakhs**  
**1986 batch: ₹1.3 lakhs**  
**1987 batch: ₹215 lakhs**  
**1988 batch: ₹117 lakhs**

- Set up in 2011

**Funding amount - ₹600 lakhs**

**Objective:** To use interest accruals to fund initiatives that will have a transformational impact on the Institute and sustain it's reputation as a world-class technological institution

### 2014 Project Highlights

- **₹17.32 lakhs** deployed towards **Centre for Innovation** which supports multiple co- curricular activities
- **₹3 lakhs** deployed towards web-studio activities
- **₹3.75 lakhs** donated to IITM Staff Distress Fund



- Established in 2001
- Designed to help students and faculty travel overseas to present papers at internationally recognized technical conferences
- Also funds participation in summits, workshops, competitions, internships & exchange programs



## Enabled the following

- Global Health Summit organized by Penn State University, USA (from Department of Physics)
- Global Health Workshop in Pennsylvania, USA (from Department of Applied Mechanics)
- Visit to MIT, Boston, USA, for collaboration (from Department of Physics)
- Visit to Van der Scharf University of Groningen, the Netherlands, for research collaboration (from Department of Electrical Engineering)
- University visits in the USA for exchange programs & collaborations (from Department of Physics)
- Falling Walls 2014
- 13<sup>th</sup> International Ceramics Congress
- REU Fellowship at UIUC

## Boeing Travel Grant

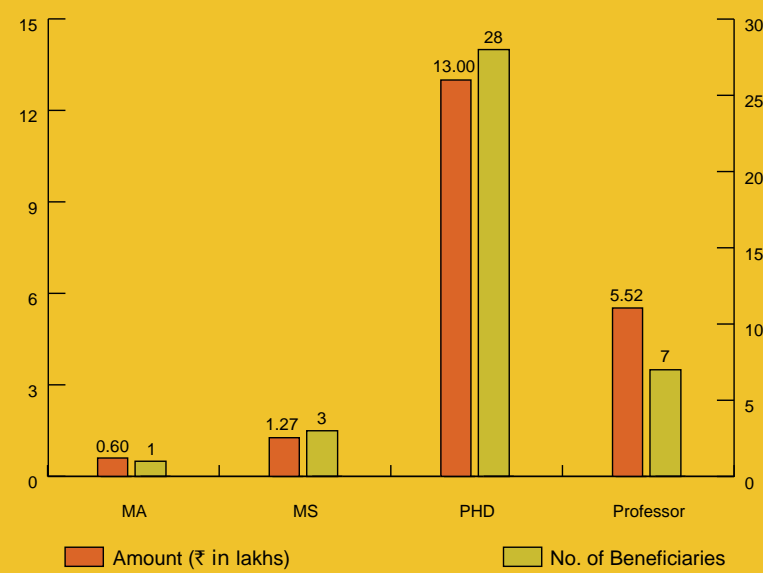
Funds travel expenses for presenting papers or projects at international conferences related to Aerospace & Defense, or A&D related technology

**₹36.83 lakhs**

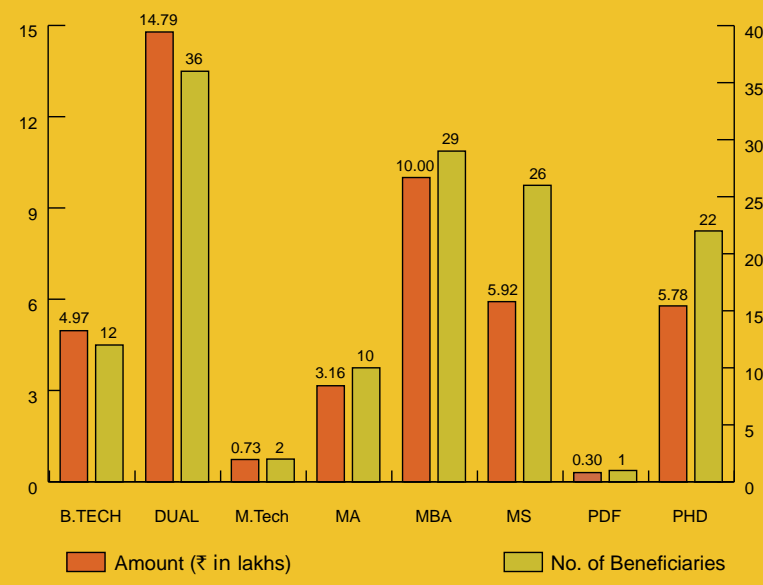
**43** student beneficiaries



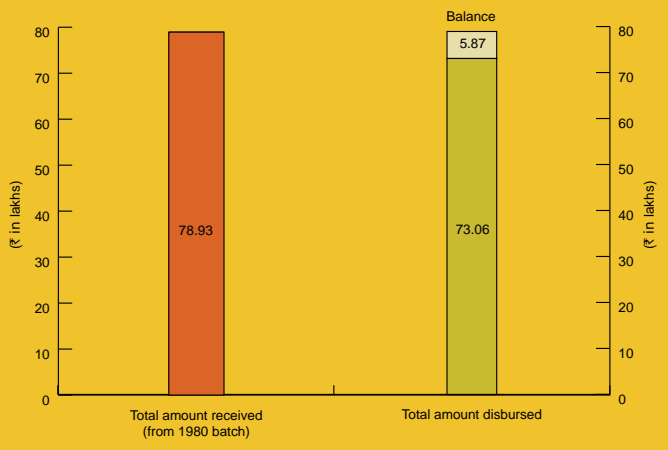
1980 Batch



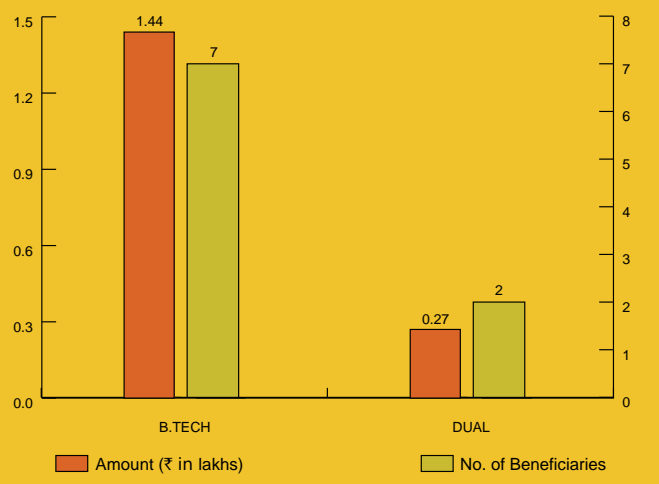
MAANA Travel Grant



Financials of the 'Excellence in Research' Travel Grant



Ram Sundaram Travel Grant



J Sudagar (MM13IPF01) Metallurgical and Materials Engineering

The 13<sup>th</sup> International Ceramics Congress (CIMTEC-2014) is internationally recognized as a vibrant technical conference that integrates fundamental and applied research focused on ceramics. The conference draws 1000 attendees once in a two-year with multiple oral technical sessions.

I started on 6<sup>th</sup> June and back on 14<sup>th</sup> June, 2014. My oral presentation was at fourth day of the conference. My travel route was via, Madras-Paris-Pisa-Paris-Madras. Totally, the conference was worth to me. Thanks to the IITM alumni partial travel support.

Arihant Sonawat (OE12S001) Ocean Engineering

I attended ASME 2014 4<sup>th</sup> Joint US-European Fluids Engineering Division Summer Meeting (FEDSM2014) held at Chicago, Illinois, USA from August 3-7, 2014. I made an oral presentation on my research topic titled “Numerical analysis of flare gas recovery using ejector” whose abstract is given below. It was a great opportunity for me to meet the pioneers in the field of multiphase flow and learn from their expertise and experience. All the sessions were very informative and interactive. Various issues like the complexity of the flow behavior, real-time applications, experimental and numerical techniques to visualize such types of flows were discussed in lengths not only during the sessions but also at the banquet.

Neelotpal Shukla (CE10B090) Civil Engineering

I visited the University of Illinois at Urbana – Champaign for the period starting from 10<sup>th</sup> July to 4<sup>th</sup> August 2014 for the Research Experience for Undergraduates (REU) Fellowship through a department level collaboration between the departments of Civil Engineering of IIT Madras and UIUC. At the university, I worked with Prof. Paolo Gardoni and Prof. John S Popovics on the topic “A review of corrosion, grouting, and NDT methods for pre stressed concrete systems” which forms the introductory section of my Dual Degree project at IIT Madras.

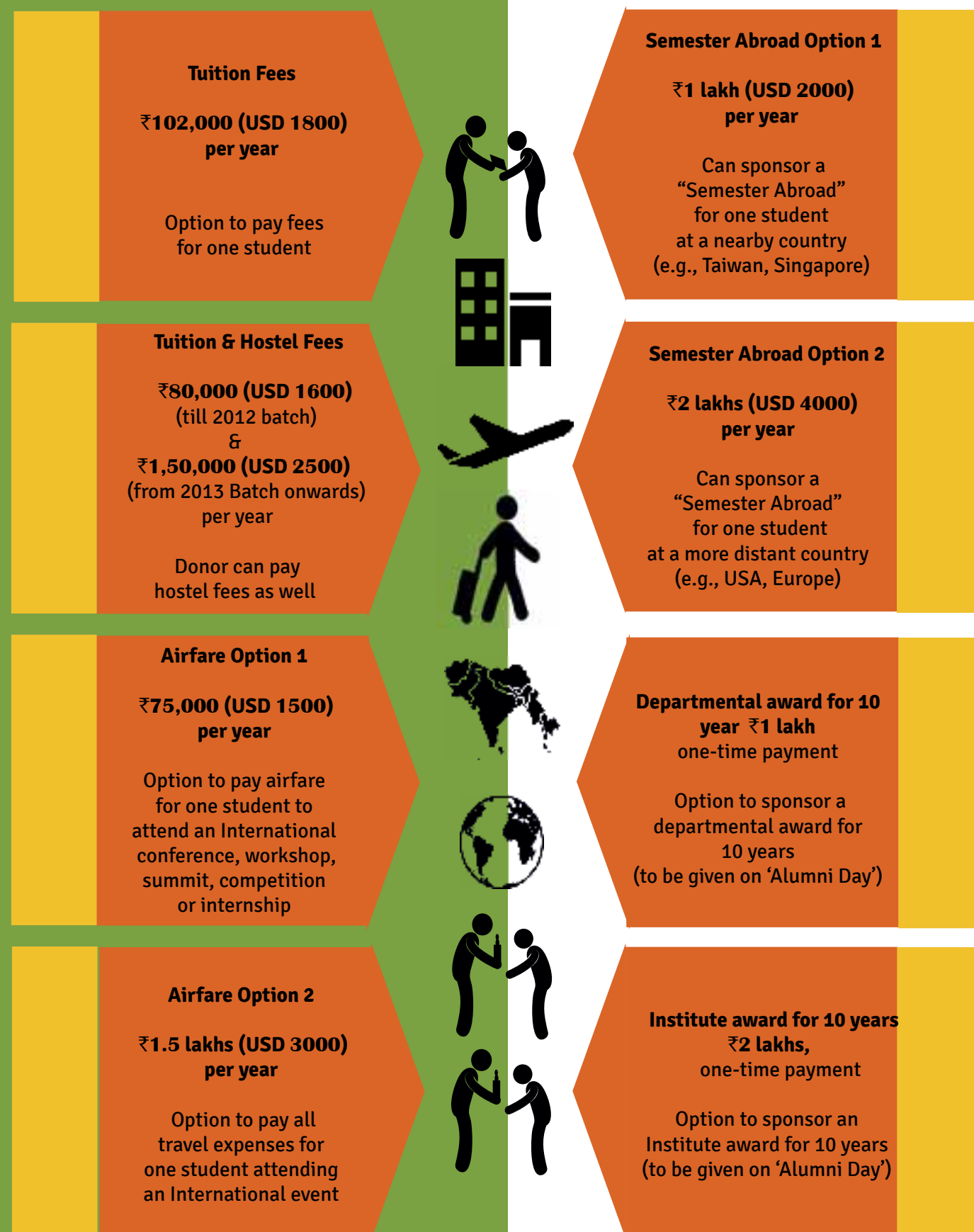
During my stay in the US, I also had the opportunity to visit Purdue University for the 4<sup>th</sup> International Conference on Durability of Concrete Structures during which I attended a pre-conference workshop on “Measuring the Flow Properties of Concrete” conducted by Prof. Jason Weiss and Prof. Jan Olek of Purdue. Both my project at UIUC and the workshop at Purdue were great learning experiences that greatly enhanced not only my knowledge about the subject but also about the working culture and ethics of the United States. This could prove to be extremely beneficial for me since I plan on applying to these and other universities in the US for higher studies.

Apart from work, I explored the American culture along with the new friends I made. I visited the Kickapoo State Park where we tried our hands at canoeing. On my way back, I also had the opportunity to spend a day in Chicago. I visited all the major attractions of the city, including the Willis Tower, the second highest building in the western hemisphere. Going there had been a childhood dream of mine and living it was a most special feeling for me.

The work done by me was appreciated by my advising professors and I hope that this opportunity will improve my chances of getting an admission into a premier US institute for my further studies.

# Sponsor a Student

## Conceived in 2012



The 2003 batch sponsored the tuition and hostel fees for a student for two years (2012 and 2013)



Shubham Yogesh Agarwal



# Institute Day & DA Forum

Chief Guest -Dr. Avinash Chander (DRDO Head)  
14<sup>th</sup> April 2014

## Awards Presentation

For the first time, staff achievers were presented awards. Students received “Institute Blues” for co- & extra-curricular activities.

**8 DA awardees felicitated**  
Dr. Thirumalai Sudarshan (BTMT-76)  
Dr. Sridhar Ramaswamy (BTCS-89)  
Prof. Ramesh Govindan (BTCS-87)  
Shri Venkataraman Raju (BTCH-81)  
Shri L Kannan (BTME-88)  
Dr. Lalgudi V Ramanathan (BTMT-69)  
Prof. Krishnan Raghavachari (MSc, CY-75)  
Dr. Venkataraman Sadanand (BTEE-87)

**Excellence in Teaching Award**  
Prof. Devdas Menon (BTCE-80)  
Department of Civil Engineering  
**Institute R&D Awards**  
for 3 junior-level faculty,  
3 mid-career faculty  
**Lifetime Achievement Award**  
Prof. Ashok Jhunjunwala

Dinner at OAT well-attended by alumni, faculty and students.

On April 18<sup>th</sup>, 2014, Director, Prof. Bhaskar Ramamurthi, presented IITM's **Strategic Plan 2020** to DAs and other “friends” of the Institute. The session extended beyond 3 hours and served as a great forum to collect feedback from alumni.





# Awards & Scholarships for Students

## Convocation Day Prizes

S.No	Donor Name	Batch	Prize Name	Student Name
1	S Gopal	1971/BT/EE	Sri. V Srinivasan Memorial Prize	Sneha Abhyankar - ME09B095
2	Shrikumar Suryanarayan	1982/BT/CH	The Divashri Award	Akhil Sai Valluri - BT10B001
3	Shuba Kumar	1994/BT/MT	Hema Balasubramanian Excellence Award	Athreya S - EP10B001
4	Dr Nandakumar Dave	1965/BT/CE	Dr N R Dave Prize	Vadali Nandita - CE09B075
5	Prem Gogineni [non-alumnus]		Prof G V N Rayudu Memorial Prize	Sneha Abhyankar - ME09B095
6	Gowri Krishna Jandhyala	1983/PhD/PY	Prof J Sobhanadri Prize	Gosika Mounika - EE09B109
7	N Raghavan	1970/BT/CE	Jayalakshmi & R Narasiman Prize from 2013	None Recommended
8	Dr. Parasuram Balasubramanian	1971/BT/AE & 1973/MT/IM	Prof A Ravindran Prize	Raisa Sherif - HS08H028
9	Viswanathan Balakrishnan	1977/BT/CH	Sri S V Balakrishnan Prize	Harisankar NS - CA12M003
10	Dr. Parasuram Balasubramanian	1971/BT/AE & 1973/MT/IM	Prof K A V Pandalai Prize	Arunbalu - OE12M031
11	Sanjay Sinha	1983/MT/OE	Sri RRP Sinha & Vimla Dewi Prize	Vishal Devgun - PE12M012
12	K K Raman	1972/BT/EE	Sri Krishnamurthy Sundarambal Prize	Vikas Rai - PH12M011





Institute Day Prizes

S.No	Donor Name	Batch	Prize Name	Student Name
1	Bhaskaran K	1983/BT/CH	Sri K Krishnamurthi Prize	Vidhya Ramaswamy - CS12B061
2	Dr. Parasuram Balasubramanian	1971/BT/AE	Prof E G Tulapurkara Prize	G Karthik - AE10B014
3	Ramesh Damani	1985/BT/CH	Dr. Anita Mehta-Damani Prize	Shikha Jain - BT10B040
4	Shankar V	1981/BT/ME	Computer Age Management Services Pvt. Ltd. Prize	Mundlamuri Vinod Kumar - CE11B034
5	Dr. V P Kochikar	1993/PHD/PHHS	Dr. Vivekanand Kochikar Award	S Sudarshan - ME10B156
6	Ramesh Damani	1985/BT/CH	Sri Madan Gopal Damani Prize	P Raghavendran - BT09B026
7	Ramesh Damani	1985/BT/CH	Dr. Anita Mehta-Damani Prize	Iyer Shachit Shankaran - CH09B067
8	Ravi Venkataraman	1971/BT/CE	Sri Venkataraman Ravi Prize	Vadali Nandita - CE09B075
9	Shankar V	1981/BT/ME	Computer Age Management Services Pvt. Ltd. Prize	Babbula Spandana Raj - CS10B032
10	Ramesh Chopra	1969/BT/EE	Electronics For You Prize	P Prakruthi - EE09B107
11	Rajeshwari Ramanan W/o. Ramanan	1976/BT/EE	Sri Ramanan Ramamurthy Memorial Prize	Ballikonda Vamshi - EE09B104
12	Raghu Ramamoorthy	1982/BT/ME	Sri Raghu Ramamoorthy Prize	Raghav Tandon - ME09B078
13	Rajesh Achanta	1987/BT/ME	Sri Rajesh Achanta Prize	Sneha Abhyankar - ME09B095
14	Sagar Pushpala	1981/BT/CH	Sri Sagar Pushpala Prize	Joint Winners: S Shiva Sai - ME09B117 & S Bollapragada Vijaya Raghavendra - ME09B132
15	Sundaresan V	1971/BT/MT	Prof V Sundaresan Prize	J Manoj Prabhakar - MM09B041
16	Thiruppathy Srinivasan	1989/BT/OE	Sri Poovai TR Srinivasan & S Alamelu Prize	Katru Uday - NA09B044
17	Ashok Krishna	1974/BT/CH	M/S Chevron Products Company Prize	M P Resmi Suresh - CH12M024
18	N Raghavan	1970/BT/CE	Smt Jayalakshmi & Sri R Narasimhan Prize	Parvathy V Raj - CE12M082
19	Amitava DasGupta & Nandita	1984/MT/EE	Prof MK Achuthan Prize	Leena P Markose - EE12M038
20	Rajeshwari Ramanan W/o. Ramanan	1976/BT/EE	Sri Ramanan Ramamurthy Memorial Prize	Neha Gupta - ME12M123

S.No	Donor Name	Batch	Prize Name	Student Name
21	Prof. V Sundar	1982/PHD/CE	Prof Vallam Venkataswami Prize	Vemburajan Essakimuthu Yadava - OE12M26
22	Prof. Bhattacharyya	1985/MS/OE	Prof MS Ananth Prize	Joint Winners: Bhavik J Shah - PE12M001 & Vishal Devgun - PE12M012
23	Prof. R Nagarajan	1981/BT/CH	Ms Lakshmi Ravikumar Memorial Prize	C Priji - PH12M005
24	Amarnath Natarajan	1996/MSC/CY	Ms Kalaimani Natarajan Prize	Gourab Das - CY12C015
25	Dr. Parasuram Balasubramanian	1971/BT/AE	Prof TK Varadan Prize	Krishna Dutt - AE11B017
26	Ramesh Damani	1985/BT/CH	Dr Anita Mehta-Damani Prize	Guruprasad Raghavan - BT11B014
27	Ramesh Damani	1985/BT/CH	Dr Anita Mehta-Damani Prize	L Nirmal - CH11B093
28	Shankar V	1981/BT/ME	Computer Age Management Services Pvt. Ltd. Prize	Anuja Agarwal - CS09B028
29	Gopalakrishnan	1992/BT/CS	Sri V Ramachandran Prize	R Sirnivasan - CS11B059
30	R Muralidharan	1968/BT/EE	Sri V Rajagopalan Memorial Prize	S Abhilash - EE11B001
31	Srinath HS	1977/BT/EE	Ms Latha & Sampath Srinath Prize	Athira Jane Jacob - ED11B043
32	Srinath HS	1977/BT/EE	Ms Latha & Sampath Srinath Prize	Akshay Krishna - EP11B002
33	Vijay R Raghavan	1980/PHD/ME	Mrs Jayashree Ananth Prize	R Anoop - ME11B152
34	Satish Pai	1985/BT/ME	Sri Satish Pai Prize	P K Divyasree - MM11B011
35	Srinath H S	1977/BT/EE	Ms Latha & Sampath Srinath Prize	S Rajaram - NA11B028
36	V Kumar	1981/MT/IM	Sri S Viswanathan Prize	Shivani Patel - CH10B101
37	Dr. V Kumar	1981/MT/IM	Ms Pattammal Viswanathan Prize	Vishwajith G Bhat - ME10B098
38	Dr. V Kumar	1981/MT/IM	Dr V Kumar Prize	Tanay Tiwary - MS12A096
39	Prof. R Nagarajan	1981/BT/CH	Swati/Jayalakshmi Memorial Award	Shikha Jain - BT10B040
40	Prof. R Nagarajan	1981/BT/CH	Swati/Jayalakshmi Memorial Award	Sneha Abhyankar - ME09B095
41	Prof. R Nagarajan	1981/BT/CH	Swati/Jayalakshmi Memorial Award	KM Neha Gupta - ME12M123
42	Prof. R Nagarajan	1981/BT/CH	Swati/Jayalakshmi Memorial Award	Joint Winners: Raisa Sherif - HS09H028 & Sneha A - HS09H034

S.No	Donor Name	Batch	Prize Name	Student Name
43	Prof. R Nagarajan	1981/BT/CH	Swati/Jayalakshmi Memorial Award	Sharmila B - PH12C031
44	Tej Kumar Arora	1988/BT/CS	Sri Prakash Arora Prize	will be given in 2015
45	Prasad Setty	1992/BT/CH	"Prema and Nagaraja Setty" Award	will be given in 2015
46	Dr. Parasuram Balasubramanian	1971/BT/AE	Prof T N Govindarajan Prize	Ankit Jain Nahar - MS12A010
47	MR Sridharan	1980/BT/CH	Prof M Ramanujam Memorial Award	Vulavala Midhun Reddy - CH09B076



## Alumni Day Prizes

S.No	Donor Name	Batch	Prize Name	Student Name
1	Ashok Khanna	1967/BT/ME	C&S Electric Ltd. Award for Entrepreneurship - 2 nos.	None Recommended
2	N A Sanker	1984/BT/MT	Vijay Jagannathan award	Shahane Ninad Makarand - MM10B030
3	Akshay Jain	2003/BT/NA	Vedam Consultancy Award	None Recommended
4	A Anil Kumar	2000/BT/CH	Patent Award	Inventor: Dr. Sujatha Srinivasan, ME Co-inventors: Swostik Sourav Dash, ME (First Inventor) Student Title: Swimming Pool lift for physically challenged
5	Kundan Kumar	IIT Kharagpur Mechanical Engineering - 2000 batch	Patent Award	Inventor: Dr. T Pradeep, CY Co-inventors: Soujit Sengupta Indranath Chakraborty Shihabudheen Mundampra Maliyekkal Title: Unusal Dehalogenation on Graphene nanocomposites - Degration of the pesticide, lindane to trichlorobenzences and removal of the products from the water.
6	N Rajalakshmi	1988/Ph.D/PH	"Mrs. Abayambal & Mr. Natarajan" Award	Dr. P Tamilarasan - PH09D021
7	Dr. V Kumar	1981/MT/IM	Sri N Kannan Prize	Ms. Sruthy S Mathew - MS11S003
8	Sriram Vajapeyam	1985/BT/EE	Sri Vishwakarma Prize	None Recommended
9	Dr. Solomon Suresh	1993/PHD/HS	Sri R N Rajendran Memorial Prize	Aishwarya L R - MS10S010
10	K Rajagopal	1974/BT/ME	Mr. B Krishnamurty Endowment Prize	Pravallika Bojugu - MM09B019
11	MR Sridharan	1980/BT/CH	Prof M Ramanujam Memorial Award	Sahithi Gorthy - CH11B089
12	Prof. R Nagarajan	1981/BT/CH	Swati/Jayalakshmi Memorial Award	Roshni Anna John - MS12A068





## Industry Relations

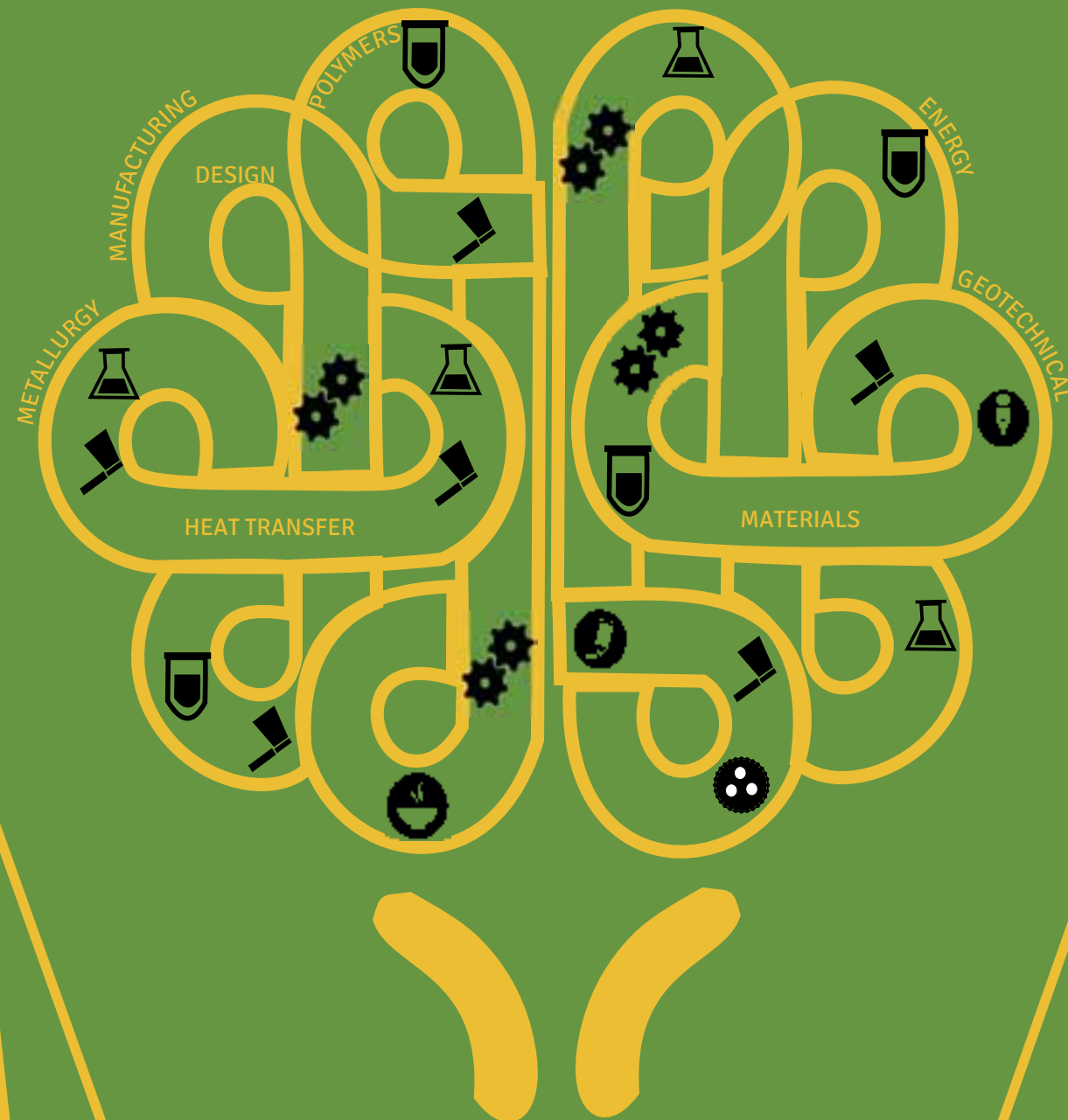
- IITM-SGRI Collaboration
- MoU with Technip
- TTK Centre for Rehabilitation Research & Device Development (R2D2)

The Institute has a long-standing tradition of collaboration with its alumni and the industries they are engaged in. Collaborations run the whole gamut from mere technical assistance to small companies and enterprises for upgrading existing technology to multi-year joint research programs with high-technology multi-national companies. IITM's strong alumni network, comprising some of the best and experienced minds in industry globally, drives such collaboration, bringing tremendous benefits to faculty and students in the areas of teaching and training, internships, collaborative research and development and project consultancy.



# IITM-SGRI Collaboration

IITM professors at SGRI on August 7<sup>th</sup>



Brainstorming conducted to generate projects in various areas for PhD /M.Tech students



# MoU between Technip & IIT-Madras

Signatories - Prof. Nagarajan (Dean, International & Alumni Relations) & Samik Mukherjee (Country Head & MD Technip, India)

Technip is a world leader in project management, engineering & construction for the energy industry with more than 50 years of know-how & experience on land & at sea.

## Aims of the MoU:

- To foster research collaborations with ocean, civil, metallurgical & materials engineering departments
- To create a PG programme with focus on generic engineering with lectures by faculty & industry experts
- To enable continuing PG education for technical professionals
- To facilitate placements and internships for IITM graduates & students
- To provide various sponsorship opportunities in the context of research enhancement & corporate social responsibility





# TTK Centre for Rehabilitation Research & Device Development (R2D2)

Center for students to develop devices for people with locomotor impairments  
Purpose- Develop high quality, affordable & functional products

Devices included standing wheelchair, prosthetic knee, swimming pool life & a body motion controlled wheelchair



Inauguration during reunion of **1970** batch



Funding amount- **₹3.75 crores**  
over a period of **5 years**

Department of  
Mechanical Engineering

Project lead  
Dr Sujatha Srinivasan

Work with clinical specialists,  
NGOs & hospitals to test  
devices in the field

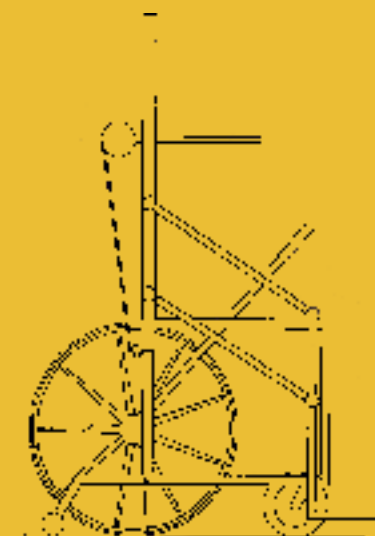
DA & Chairman of TTK group,  
TT Jagannathan [1970/BT/ME]



## Standing Wheelchair Project

- supported by 2 donors with **₹3.5 lakhs**

- Preliminary user testing with existing prototype
- Next version used to access manufacturing & customizing capability



**₹1 lakh** of the **₹3.5 lakhs** was received from  
Computer Age Management Services Pvt. Ltd.





## Innovation & Entrepreneurship

- Centre for Innovation (CFI)
- Raftar Formula Racing
- Professor MS Ananth Endowment Fund
- Entrepreneurship Fund
- Centre for Social Innovation & Entrepreneurship

IITM lays tremendous importance in supporting first generation entrepreneurial students and faculty. It believes that entrepreneurs can be developed through well conceived and focused activities and mentorship. It therefore nurtures their development and provides them a conducive environment in which they can channel their unique ideas into winning commercial projects, products or growth-oriented enterprises.



# Centre for Innovation (CFI)

- 24/7 'Student Lab'
- Started in **2008**
- Set up with funds donated by **the batch of 1981**

Objective - to be a forum for creative output of budding engineers of IITM  
Provides a platform for students to showcase ideas

Indispensable guidance from faculty & seniors alongside a great workspace and state of the art inventory

## CFI Open House

CFI Open House - A one-of-a-kind student technical exhibition  
21<sup>st</sup> September 2014

**IMPROVED PROTOTYPES** **LIVE DEMOS**

STATIC DISPLAYS

ENRICHING TECHNICAL PRESENTATIONS



# Raftar Formula Racing



Formula Student India '15

Sponsored by  
**TVS Motor Company**  
- Hosur and Brakes India Limited



- Car built on model used in Formula Student Germany '14 at Hockenheim
- Positive 'A' grade rating by the organizers



Among 150 Indian teams in the speed test for registration



Event format:

- Static events (Cost, Design & Business Plan)
- Dynamic events (Acceleration, Skidpad, Autocross & Endurance)

## Status update

- Reviews by faculty and former members, tuning & track testing helped team make relevant module design changes
- BOM, production plan & analysis of target market & competitors, in place
- 150 kms of test drives



Completion performance determined by static score for project management competency and dynamic score for design, performance and reliability

# Professor MS Ananth Endowment Fund

■ Established in 2011 in honour of Prof. MS Ananth

■ Projects funded under SRP scheme — 5 new projects in 2014

**₹10,11,500 disbursed to 93 students**  
in different schools & colleges

Payments made through bank accounts

**Educational support  
for children of Self-Help-Group  
staff members on campus made  
possible through the earnings of  
Prof. MS Ananth Endowment Fund**

**₹228.36 lakhs**  
**Personal contribution**  
**₹5 lakhs**  
**by Prof. MS Ananth**

**A Tactograph for the visually challenged**  
**Amount Deployed: ₹4,50,000**

■ Proposed by Dr. Anil Prabhakar  
(Electrical Engineering)

**Objective:** To develop a fully functional, low-cost, portable device that can create tactile images from computer graphics for children with visual impairments

■ Aims to distribute at affordable prices to visually impaired people

**Work completed**

- Mechanical system
- Electronics Microcontroller based Tactograph Control system Stepper Motor driver
- Tactograph firmware
- User program

**Demonstrated in the CII National Conference on Assistive & Rehabilitation Technologies (September 2014)**

**Future**

- Production of 10 units
- Field trials and survey schedule for early 2015
- Exploration of option for patenting as extension of Patent
- Application No. 4091/CHE/ 2011

**Targeting community health through women's cancer screening program**  
**Amount Deployed: ₹3,00,000**

**Objectives:**

- Development of advanced image processing techniques & cloud based solutions for rapid diagnosis
- Use of mobile devices by health workers for cyto-screening (pap smears)
- Incidence of cervical cancer can be brought down significantly through screening utilizing cytology (Pap smears)

**Progress:**

- Exploring various techniques for classification & feature recognition to aid in screening & diagnosis
- Developed rudimentary web platform for uploading & curating image slides for cloud based diagnosis

**Publish High School Science books for donation to village school libraries**  
**Amount Deployed: ₹2,96,000**

**Objective:**

To publish and distribute 6 popular science books in Telugu and Tamil to 300 vernacular schools

**Progress:**

- Telugu books- Writing completed, four books printed
- Tamil books- Translation underway

**Engineering can be fun (May-November 2014)**  
**Amount Deployed: ₹2,40,000**

**Objectives :** To create interest in engineering among suburban & rural school children between 13 & 15 years

**Method:** Workshops & hands-on training

**Outcome:**

- Using simple ideas & tools, built electrical circuits for games & pneumatics

Total beneficiaries - 85

**Public Participatory Irrigation Water Management**  
**Amount Deployed: ₹3,00,000**

**Objective:**

- To develop a GIS based platform for collecting water-related information & developing database
- Simulation models will enable informed decisions about irrigation using details on water table levels, crop pattern, soil quality & demand

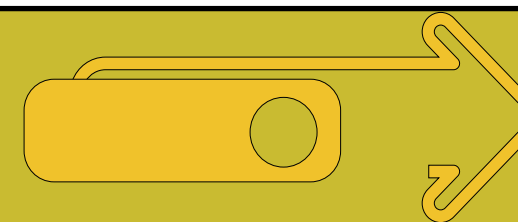


# Entrepreneurship Fund

The Entrepreneurship Support Scheme was started in April 2012 and was sponsored by various alumni. The main purpose of this scheme is to mentor teams of students and recent alumni of IIT Madras who aspire to launch a start-up enterprise with an innovative idea as platform. The scheme also offers them financial support to seed the venture. **17** incubatee companies have been funded through this scheme till date.

The following are the incubatee companies funded this year:

- Airwood Aerostructures Private Limited
- PI Beam Labs Private Limited
- Greenenvironment Innovation & Marketing India Private Limited
- HyperVerge
- Edsix Brain Lab Private Limited
- Geotagg Technologies Private Limited
- Onymy Infocomm Private Limited
- Wii Tronics Solutions Private Limited



**Airwood Aerostructures Pvt Ltd**  
**Alumnus Vivek Rajkumar**  
**Funding: ₹5 lakhs**

## Target areas

- Aerial Imaging Services for Precision Agriculture using indigenous UAV technology

## Specific solution(s) offered

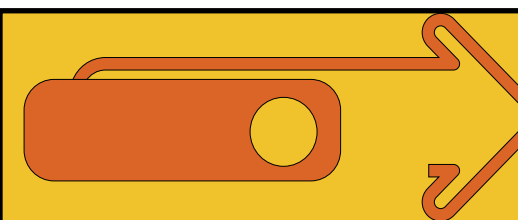
- Aerial image capture, mapping & crops stress analysis (NDVI image processing) for Sugarcane & Tea estates in India

## Target Markets

- Large land holding Agricultural industries such as Tea, Cotton, Sugarcane (Services)
- UAV start-ups & service providers Internationally (B2B supply)
- Monthly/annual revenues: Pre-revenue.
- Monthly/ annual expenses: ₹3.5 - 4 Lac per month
- Number of employees: 14 (7 full time, 7 interns)

## Fund Utilization:

- Carbon composite airframe design for multicopters: ₹306,000
- Hobby grade airframe for students & hobbyists: ₹1,97,000



**Edsix Brain Labs Pvt Ltd**  
**Saravanan Sundaramoorthy**  
**Funding: ₹5 lakhs**

## Target areas

- CII's India Skills Report (2014) - around 25.9 million students enrolled in more than 45,000 degree and diploma courses across the nation
- Student enrolment increasing at 10.8% and institutions at 9%
- Only 25% engineering graduates are employable; 47% unemployable; for an analyst's role, close to 84% graduates had poor cognitive ability while 90% graduates did not have required proficiency in English communication

## Specific solution(s) offered

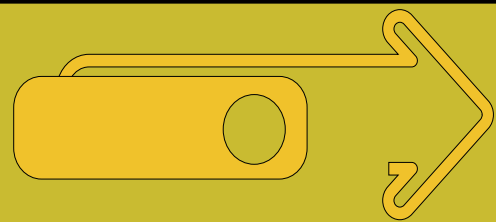
- Edsix Brain Labs presents "21<sup>st</sup> Century Skill Right program" to provides the right skill sets to to increase employability
- Aims to develop core cognitive skills in children irrespective of socio-economic background
- Presents Skill Angels- a digital platform that gamifies cognitive skill assessment and enhancement.
- Available online throughout the year

## Target Markets

- School & College Students Enrollment – 15,000 Paid Users, 30% Annual Subscribers
- Corporate - Cognitive Based Recruitment Licenses – 800 Paid User Licenses
- Corporate - Employee Skill Assessment- 79 Paid User Licenses
- Monthly/annual revenues: ₹59 Lakhs (March 2014)
- Monthly/ annual expenses: ₹4 Lakhs/Month (approx)
- Number of employees: 9 (Full time) + 3 (Part time)

## Fund Utilization

- Salary Expense towards UI and UX Improvisation (for 3 Months - June, July and August): ₹441607.5
- UI & UX Integration in SkillAngels.com, Payment to Third Party Vendor: ₹90015
- Total amount: ₹531622.5. Excess amount of ₹31,622.50 paid by the Company



**Geotagg Technologies Pvt Ltd**  
Akhilesh Koppineni, Krishna Chaitanya,  
Siddharth Krishnaswamy (Alumni, BTech)  
Funding: ₹5 lakhs (August 2014)

**Focus area**

- Lack of availability of Public Transport Information

**Specific solution(s) offered**

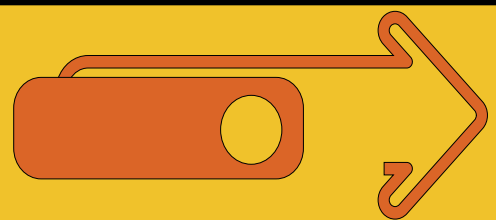
- Raft – Mobile App to provide up-to-date public transportation information

**Market**

- Consumer Segment; Users of Public Transportation Systems in a city
- Monthly/annual revenues: Pre-revenue stage
- Monthly/ annual expenses: ₹1.2 lakhs per month
- Number of employees: 3 full time, 2 interns, 1 part time, (+ project staff from CE)

**Fund Utilization**

- Application Design: ₹50,000
- Application development: ₹2,47,000
- Internship (Algorithms and Server side development): ₹50,000



**Greenenvironment Innovation & Marketing India Pvt. Ltd**  
Varun Sridharan  
Funding: ₹5 lakhs (May 2014)

**Focus Areas**

- Online water quality monitoring & troubleshooting of treatment plant

**Specific solution(s) offered**

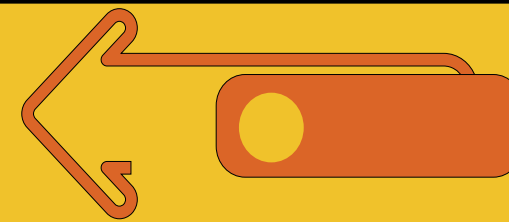
- Affordable field level real time water quality monitoring
- Design & development of customized water & wastewater treatment plants based on water quality data from field and user affordability
- Android based application for customers to view real time water quality data & trouble shooting solutions

**Market**

- Residential, Commercial & Industrial Areas of Urban & Semi Urban market
- Monthly/annual revenues: Product under prototype stage
- Monthly/ annual expenses: Product under prototype stage
- Number of employees: 6

**Fund Utilization**

- Water quality kit for Pilot studies: ₹50,000
- Instruments & accessories: ₹50,000
- Training & Testing: ₹30,000
- Manpower - Interns: ₹1,20,000
- App Development: ₹1.50,000
- Web design & Web services development: ₹1,00,000



**Onymy Infocomm Pvt Ltd**  
Murali Krishnan Vaidyanathan (MS  
Entrepreneurship), Sivakumar Subramaniam  
Funding: ₹5 lakhs (October 2014)

**Focus Area**

- Information asymmetry between smart phone users having access to mobile data connectivity and users of feature phones without data capabilities

**Specific solution(s) offered**

- A platform for organization and enterprises to provide informational and payment services to mobile phone users agnostic of the handset capability and data connectivity

**Market**

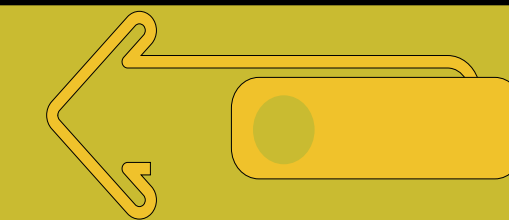
- Bottom of the Pyramid mobile phone users predominantly and to begin with, in India

**Customers**

- Predominantly SMEs seeking systematic and programmatic access to the mobile phone user base to be able to provide informational and payment services
- Monthly/annual revenues: Pre-revenue stage
- Monthly/ annual expenses: ₹50,000 per month (approx)
- Number of employees: None so far. Currently working with interns and contract staff while outsourcing certain non-critical portions of the development work

**Fund Utilization**

- ₹2 lakhs approximately (proper reconciliation and accounting would be completed by the end of the financial year.)



**Pi Beam Labs Pvt Ltd**  
Visakh Sasikumar (MS Entrepreneurship)  
Funding: ₹5 lakhs (April 2014)

**Focus Areas**

- Higher cost and increasing pollution of vehicles for short distance travel

**Specific solution(s) offered**

- Solar Assisted Rickshaw (First prototype finished with EF Fund)
- A smart foldable e-bike that packs into a laptop bag (First Prototype made with the help of EF Fund and CPDM Department, IISC, Bangalore)

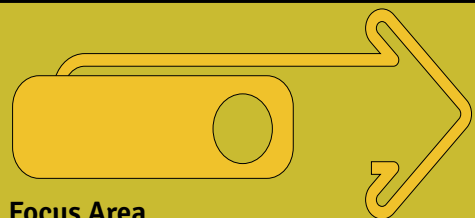
**Market**

- Huge campuses like IITs, IT Parks, Factories, Residential Colonies, Connecting services to Metro Stations, railway stations, bus stands
- Monthly/annual revenues: Pre-revenue stage
- Number of employees: 3 (Full-Time) + 4 interns (Part - Time)

**Fund Utilization**

- Cycle Rickshaw, electronic components and motors: ₹1,54,000
- Salaries: ₹2,53,500
- Travel & phone: ₹11,440
- Website: ₹2,300
- Material & Fabrication Charges: ₹15,000
- Miscellaneous (including Director resignation, Auditing): ₹22,327
- Rent (accommodation of interns): ₹42,500





## Wii Tronics Solutions Pvt Ltd

Arjun Natarajan (External)  
Funding: ₹2 lakhs (December 2014)

### Focus Area

- Parking space, being a major issue, the company is working on real-time parking availability and reserve parking space. Also, the company helps operator and city traffic administrators manage the parking effectively

### Specific solution(s) offered

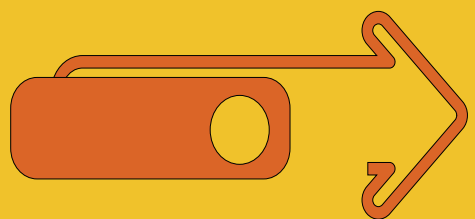
- A vehicle detection sensor is installed on each parking slot in a parking area, be it indoor or outdoor. The sensors detect the presence of a vehicle, when the vehicle comes over it. This vehicle presence information is sent to our gateway, wirelessly. The gateway then updates our cloud server through the internet. The vehicle presence data is then mapped onto the floor plan of the parking area and brought to our mobile app and cloud-based software platform. The commuters can use the mobile app to look for real-time parking availability, reserve parking space and also remember where they have parked their cars.
- Visual parking guidance aid to commuters who may not use the mobile app. The cloud based platform provides analytics that helps the operator and city traffic administrators, manage the parking effectively, perform an accurate audit and generate more revenue.

### Market

- Private parking garage owners, parking management companies and city corporations.
- Customers: Nil
- Monthly/annual revenues: Pre-revenue stage
- Monthly/ annual expenses: ₹80,000/month
- Number of employees: 3 (Hardware) + 2 outsourced for app + 1 part time software engineer

### Fund Utilization

- |   |   |
|---|---|
| ■ Sensors (36 numbers): ₹9,000          | ■ Display box (1): ₹15,000                |
| ■ Transceivers (10): ₹10,000            | ■ Sensor and LED Enclosures (36): ₹15,000 |
| ■ SMPS (Power supply): ₹5,000           | ■ Controller Enclosures (5): ₹2,500       |
| ■ Cable and electrical conduit: ₹10,000 | ■ LEDs: ₹1500                             |
| ■ PCB manufacturing (36 + 5): ₹15,000   | ■ Overheads: ₹5,000                       |
| ■ Misc Electronic Parts: ₹2,000         | ■ Operating costs: ₹70,000                |
| ■ Rasp Pi (1): ₹3,500                   |   |



## HyperVerge

Founded by Kedar Kulkarni, Kishore Natarajan & Vignesh Krishnakumar (2012, 2014 & student, Dual Degree, CSE)  
Funding: ₹5 lakhs

### Vision

- To create breakthrough consumer applications, based on the technology of computer vision, to empower consumers through a combination of apps on smart-devices and HV's cloud-based image and data technologies

### Updates

- Consumer solutions: Two apps are currently under development
- Integration with Businesses: Successful integration has been completed with one company
- Total Expenses (India Office): ₹587,950

### Other Areas

- Purchase of HyperVerge (India) by HyperVerge (US) initiated in Nov 2014. Four wires sent to India for the same
- IP and Patents: Robyn Wagner from Van Pelt, Yi & James LLP hired as consultant for patents. Robyn is an expert in the area of machine learning and search related patents.
- PR: In the area of integration and business, PR strategy developed under the guidance of Paul Melcher but PR on hold till successful testing of consumer applications

## Biotechnology Entrepreneur Support Scheme

### Biotechnology Entrepreneur Support Scheme

**Sponsor:** Distinguished Alumnus **Shrikumar Suryanarayanan [1982/BT/CH]**.  
**Objective:** To mentor and financially support teams comprising of students, recent alumni and faculty of IIT Madras who want to launch a Life-Science start-up enterprise with an innovative idea as platform.

**So far 5 Incubatee companies funded by this scheme.**

**Incubatee companies funded in 2014:**

**Vital Bioscientific Solutions Pvt. Ltd.**

**FIBSOL Life Technologies**

### Vital Bioscientific Solutions Pvt. Ltd

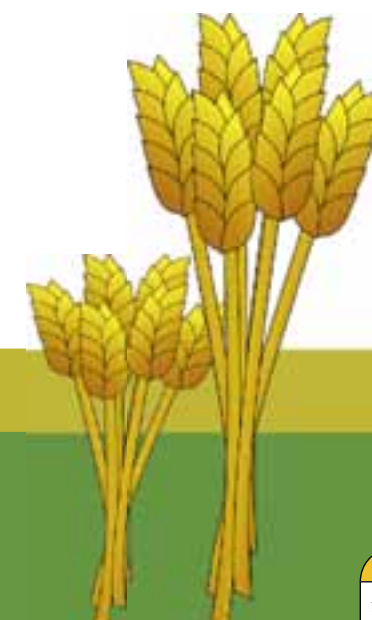
**Vision:** To be a global leader in biotechnology research, training & services especially in the area of preclinical healthcare sector

### Achievements:

- Involved in developing products for efficient preclinical screening of new chemical entities (NECs) & drugs
- Recommended by the Project Screening Committee for incubation at IIT-M Bioincubator, IIT-M Research Park, Tharamani
- **Registered as a private limited company on 28<sup>th</sup> October 2014 at Chennai**

### FIBSOL Life Technologies

- Providing modern technology based solutions in areas of agriculture & healthcare
- Currently developing nano-carrier formulations & liquid carrier formulations for organic fertilizers



# Centre for Social Innovation & Entrepreneurship

**Mission:** Build an environment that will facilitate the creation of social enterprise knowledge through research, and empower students to apply their entrepreneurship abilities to develop solutions for greater social impact through academia. This is achieved by:

- Education
- Research
- Catalyzing innovation
- Collaboration

Set up in August 2010  
with focus on teaching &  
research related to social  
enterprise in India  
No. of employees:  
**1** (full-time) & **2** (part-time)  
project consultants



### Activities (during 2013-14):

- Education: Minor courses in Innovation & Social Entrepreneurship; MBA in Social Enterprises (planning stage)
- Research: Academic/Applied research, consultancy (Evaluation of social entrepreneurship educational programs in India; leveraging IIT-M ecosystem for social enterprises; Role of rural local bodies in Sustainable development); Events; Proposals & MoUs; Meetings; Documentation
- Catalyzing innovation: Student start up, internship, project; Proposals / MoU; Events
- Collaboration: Idea Spark 2013; CSIE-IITM Academic Contribution Award; Internal organisations at IITM / External Networking; Proposals and MoUs, Meetings; Events; Awareness and branding



### Management Activities:

- Governance committee meeting: Regular meetings to monitor progress and for further planning. Minutes of meeting circulated among GC members
- Internal Documentation: Planning & informational documents on all activities within the Centre maintained & updated regularly. These include documentation of minor courses, research proposals, events, etc.

### Testimonial:

**“The course was very much different from the usual courses at IIT making it very interesting to work and think differently.”**

**“Now we have got the flavor for business and how things work, the risks involved, the patience required and the strategies that can be employed.”**

**“This course has helped me not just in realizing the complexities of the Business world, but also it made me realize certain hidden abilities in me”**

## MoU with Tagore Engineering College

- Dr. P Kasinatha Pandian, Principal, represented Tagore Engineering College and Dr. R Nagarajan, Dean I&AR, represented the CSIE-IITM

- Signed on 20<sup>th</sup> August 2014
- Collaboration on academic, research and consultancy related activities

### Objective

- to promote creativity, innovation and entrepreneurship among students and faculty

### Scope

- Modular certificate courses, consultancy for establishment and hand-holding from an incubator, knowledge partner for conferences, seminars, FDPs and summer camps







## Internationalization

- Visit to Geneva
- Visit to the UAE

There has been increasing global interest in IIT Madras. With a growing number of foreign students, the Institute is focused on internationalizing the campus in a planned and well thought out manner. The Institute seeks to expand student and faculty mobility; facilitate research collaborations via MoUs; engage industry in a three-way interaction involving IITM faculty and students and foreign universities; and identify funding mechanisms that will support the Institute's international outreach objectives.



## Visit to Geneva

Dr. Behera & Prof. Nagarajan, Dean, I & AR → Visit to CERN, Geneva 3<sup>rd</sup> - 7<sup>th</sup> September 2014

### Objectives

- To present to CERN Collaboration Board IIT-M's objectives and plans for participation in the CMS experiment within the scope of INDIA-CMS collaboration
- To strengthen existing ties between IITM & EPFL

Dr. James Libby and Dr. PK Behera (Department of Physics, Experimental High Energy Physics Group) invited to visit CERN to personally present their case for participation.

### Highlights

- Tour of EPFL
- Interactions with faculty & the Experimental High Energy Physics Group
- Meetings with Dr. Tiziano Camporesi, CMS Spokesperson; Andrzej Charkiewicz, CMS technical resource person; and Jorgen D'Hondt, Collaboration Board Chairman
- CMS book presented to Prof. Nagarajan by Dr. Tiziano

## Visit to the UAE

25 alumni Dubai - 26<sup>th</sup> April + 35 alumni Abu Dhabi - 30<sup>th</sup> April

- Interacted with several current and potential donors and alumni activists

UAE - 25<sup>th</sup> April to 3<sup>rd</sup> May 2014

Visits → Masdar Institute, Abu Dhabi → Exploring research collaboration  
University of Wollongong, Dubai Campus  
Abu Dhabi University

Visits → Sunrise Indian School, Abu Dhabi → Inspiring students to take the JEE

Prof. Nagarajan  
Dean, I&AR







## Infrastructure Development

### ■ Update on the New Quark

IITM is committed to increasing space for additional faculty, students and research centres while maintaining the character of the campus alongside. Operating within the framework of sustainability, it is moving towards zero discharge water consumption, intensifying the use of renewables while increasing the efficiency of appliances, ensuring recycling and reuse; managing waste disposal efficiently, and ensuring full life-cycle planning for all built infrastructure.



# Update on the New Quark

**₹80 lakhs**  
**Funded by the Batch of 1973**

## Objective:

- A state-of-the-art night eatery in the hostel zone for 8000 students (without adding carbon footprint)
- A meeting place for students, visitors and alumni
- A model facility that can be replicated elsewhere on campus

## Project Updates:

The new building boasts separate blocks for the kitchen, dining and entrance (with counters), and separate toilets for men and women. A space is dedicated on the first floor of the dining block for student activities. Special materials like polished concrete for floors and thermal insulated sheets for roofing have been used. All concrete structures are finished naturally without plaster. The dining block holds 242 seats. The new Quark is ready to be inaugurated in April 2015.



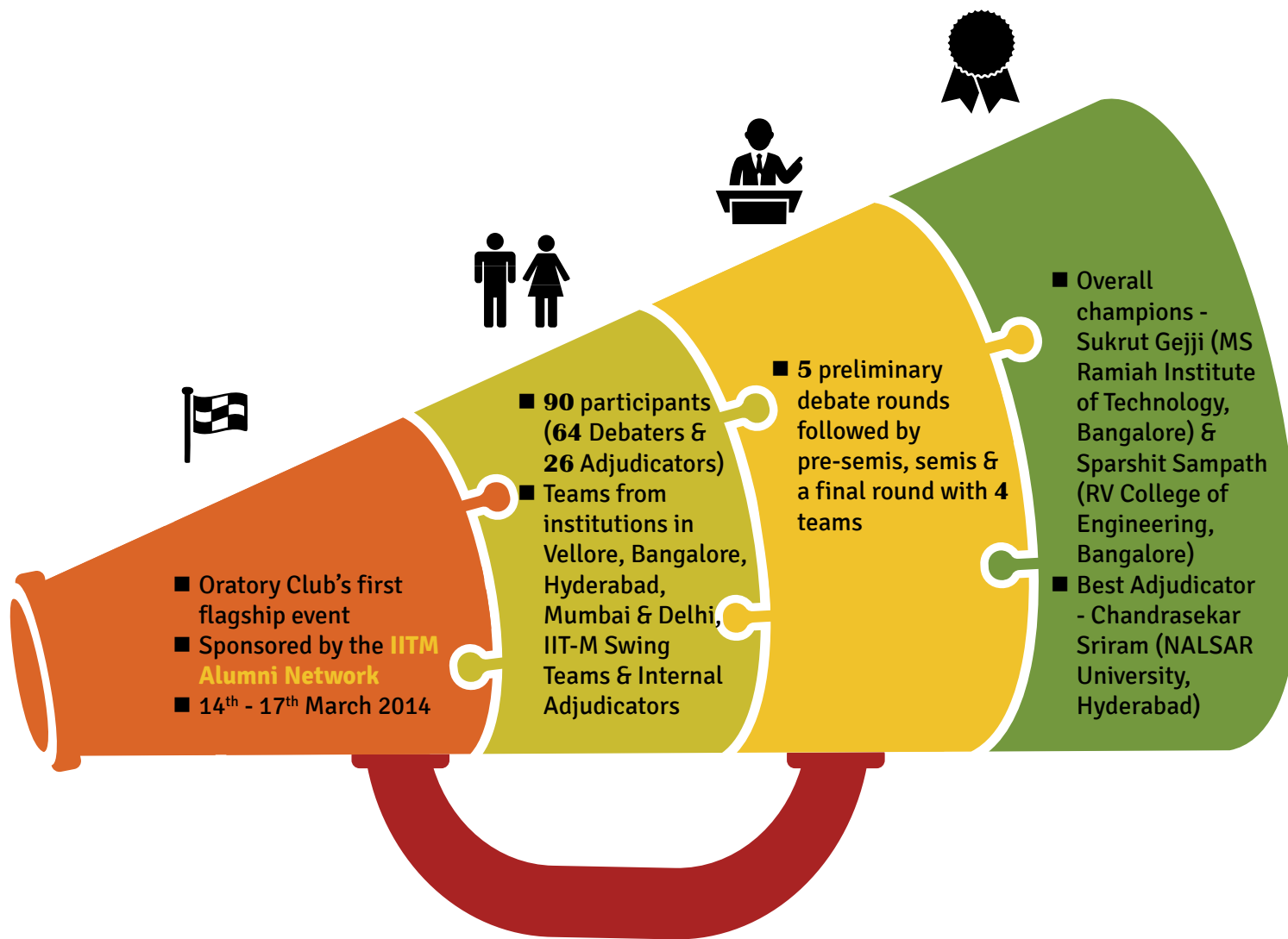
## Student Life

- IIT Madras Parliamentary Debate
- MAANA Sponsored Reception for Students Going Abroad
- Student Initiatives
- Shaastra 2015 with Boeing Sponsorship

IITM recognizes its responsibility for integrating students into all spheres of campus life. With an increasingly diverse student base, the Institute is proactive in taking measures to facilitate this. Co-curricular and extra-curricular activities, personality development programmes, spotlight on student achievements, communication skills training, and career counseling are some regular activities on campus. IITM further trains students on how to position their research and project work, publicizes the profiles of research scholars and PG students, and helps in matching the specialized knowledge of the graduates with job opportunities.



# IIT Madras Parliamentary Debate



# MAANA Sponsored Reception for Students Going Abroad



- The IITMAANA reception dinner 2014 for North America bound students
- Organised by IAR team on 10<sup>th</sup> May 2014
- **75 student attendees from 82 registrations**
- Students introductions , speeches & Q & A session

# Student Initiatives

## Analytics Club

■ Set up in September 2014

### Objective:

- To develop Big Data analytical skills in students to be able to solve real world problems
- Membership- 200
- More than eight tutorial sessions & alumni lectures



- Currently working on projects with companies like Connect Leader & Chennai Corporation
- Closely associated with alumni companies like Systech USA, LatentView, Hyperverge

## Finance Club

■ Set up in August 2014

### Objective:

- To hone finance skills in students
- Membership- 53, based on rigorous selection process
- More than seven discussion sessions & alumni lectures
- Themes- trading, economics & finance



## Career Connect

- Simulation to prepare students for campus placements
- Two-week program with panel discussions, mock group sessions & mock interviews
- Topics - Management Consulting, Finance, Analytics, Engineering, etc
- At least 4 alumni invited from each area



## Kal Aaj Naalai Campaign for Alumni Day

- An initiative to popularise Alumni Day within the Institute
- A social media group, comprising graduates, was formed to run the 'Kal Aaj Naalai' campaign



## Happy Video for Freshers

- An Initiative to promote I & AR & IITM TV among freshers
- I & AR released 'Happy Video' featuring new joiners of the batch of 2014 shot around the campus
- Video was uploaded on the Youtube channel of IITM TV which got over 10,000 hits



## Aspiring Coordinators Meet

- To create awareness about I & AR & to encourage students to apply for vacant positions
- An online branding campaign for changing the profile pictures with captions was conceptualised. 'Don't just Work, Network', a strapline for the student council encouraged students to understand the importance of networking
- I & AR received 200 – 250 applications from undergraduate & postgraduate students



## International Day

- An initiative to make students under Foreign Exchange Programme feel 'at home' in India, specifically at IITM
- iPAL SELFIE contest which called for the students to upload selfies on social networking sites, received a huge response
- The picture with the maximum number of Facebook Likes was the winner & received a cash prize of ₹3000. The runner-up got ₹1000



## ALUMNI DIARIES (YOUTUBE SERIES)

- A social media initiative by the student council to connect students & alumni
- A Visiting alumni's institute life, professional journey, inspirational experiences & personal hobbies video taped & uploaded on YouTube



## I Love Insti

Connects alumni through stories of campus & discussions on social media

## Soundstage

Provides platform for students to showcase musical talent

## Insti Bulletin

Monthly bulletin covering all the happenings & events at IIT-M

## ALUMNI OUT REACH

## CHENNAI 36



- An Alumni Relations website endeavour that is a perfect liaison between student & alumni
- Collection of 160 articles covering 4 major industry verticals
- 25 articles on more than 18 companies by recent graduate alumni on a dedicated blog
- Provided invaluable advice for final year students in placement interview preparation

## Mentor for Interns

An interactive meet between alumni & interns in the same city (Chennai, Bangalore, Delhi)

## Alumni Day of Service

An opportunity to participate a socially responsible project

## Telethon

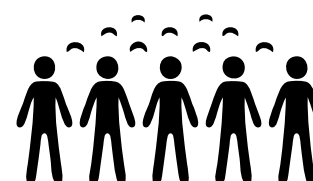
3000 contacts; over 700 successful calls - an initiative to reach alumni for planning Alumni Day of Service

## Alumni Weekend

DA/MD/GEM Distinguished Alumni & Major Donors interviews for Annual Giving Report 2014-15

## Reunions

Silver Jubilee Celebration (Batch of 1989) - 100 participants  
Ruby Reunion - batch of 1974 - 50 attendees  
Golden Jubilee Celebrations - batch of 1964 - 65 (the first graduating batch from IITM)





# Shaastra 2014 with Boeing Sponsorship

## Breaking Boundaries

Shaastra 2014 (4<sup>th</sup>- 7<sup>th</sup> Jan 2014)

### Pan-IIT Research Expo

- Showcase of best research by academicians & students pan IIT

### The Lunar Rover Challenge

- Joint initiative with Team Indus
- Contest for best student-made design for a moon rover

### Lecture Series

Inspiring lectures by some of the finest minds across the globe

### Envisage 2.0:

An insight into science through an amalgamation of technology & art



## First Round

- Boeing IIT National Aero-modelling Competition required the building of an air craft with specified capabilities from scratch
- 22 teams & 77 participants

## Second Round - January 4<sup>th</sup> 13 teams

### Winners:

- Team Jatayu (Sri Bhagawan Mahaveer Jain College of Engineering Bangalore, Karnataka)
- Team The Fractal Flyers (Loyola-ICAM College of Engineering & Technology Chennai, T.N.)
- Team Topgun (SRM University, Kattankulathur) & Team A-Team (MLRI, Hyderabad & Osmania University, Hyderabad; Christ University, Bangalore)

Boeing sponsored workshops - 2

Participants - 125 students

Duration - 2 days

Aspects of art, science & engineering for modelers towards building their own planes.

## Shaastra 2014 Opening Ceremony & Research Confluence:

- Lecture Series & Panel Discussions sponsored by Boeing
- Panel included people from Boeing's Research & Technology-India, Paypal, TCS & Eaton



## International & Alumni Relations

- Leadership Lecture Series
- Nobel Laureate Lecture Series
- Professor S Sampath Endowment Lecture Series
- Other Lectures at IITM
- Delhi NCR Chapter Meeting
- Mechanical PG Reunion
- Reunion Day
- A Time for Bonding
- Visit to IIT Kanpur
- CII Conference
- PAN IIT & Alumni Meet
- Alumni Day
- Events Sponsored by Alumni Funding

IITM will continue to explore various innovative ways to enhance alumni engagement on and off campus and build mutually beneficial relationships. Social media, tele-calling and face-to-face meetings are tools it aims to use to achieve this goal. It will seek alumni faculty support for promoting collaborations, alumni in industry to catalyse research partnerships, internships and placement, and alumni entrepreneurs to mentor student and faculty aspirants who have a entrepreneurial streak in them.



# Leadership Lecture Series

## January - February



### Innovation as a Way of Life

Raj Narayan  
(MT/EE/1974)  
MD, Radel Electronics  
24<sup>th</sup> January



### A Bit of Advice...

K Shanker  
(BT/ME/1971)  
MD, Director- in-charge, Onshore  
Business for integrated Technip  
Companies, India  
31<sup>st</sup> January



### Living & Giving

Dr. Gururaj Deshpande  
(1973/BT/EE)  
Chairman, Sycamore Networks  
5<sup>th</sup> February



### How to Succeed as a Hardware High-Tech Entrepreneur

Dr. KV Reddy  
(1972/MSc/CY)  
President, PriTel, Inc.  
7<sup>th</sup> February



### Technology Creating Value

Dr. Gautam Mahajan  
(1968/BT/ME)  
President, Customer Value  
Foundation, New Delhi  
14<sup>th</sup> February



### The Small Role of Innovation in Entrepreneurship

Ajit Narayanan  
(BT/EE/2003)  
Founder & CEO of Invention Labs,  
IITMRP, Chennai  
28<sup>th</sup> February

## March - April



### What Drives Innovation at Stanford, & in Silicon Valley?

Ram Shriram  
Founder, Sherpa, USA  
3<sup>rd</sup> March



### Conversation with Suresh Kalpathi

Suresh Kalpathi  
(BT/EE/86)  
Chairman & CEO, Kalpathi  
Investments  
7<sup>th</sup> March



### Business@bop: Insights from Chotukool Journey

G Sunderaraman  
(BT/EE/76)  
Executive VP - Corp. Development,  
Godrej & Boyce Mfg Co Ltd, India  
14<sup>th</sup> March



### Hovercrafts, Fusion Reactors & Ports, & the Thread that Connects them: Innovation in Engineering

Dr. Meka Vijay Papa Rao  
(BT/ME/70)  
Founder, Amma Lines Ltd.; Chairman,  
Rewas Port, Maharashtra  
21<sup>st</sup> March



### From Campastimes to Himalayan Climes in Pursuit of Profession, Passion & Purpose

Dr. Prakash Keshaviah (BT-ME, 1967)  
Director, Nephrology Unit, Himalayan  
Institute Hospital Trust & Hon. Prof.  
Physiology, Uttaranchal  
28<sup>th</sup> March



### Beyond IIT...

Monishi Sanyal  
(BT/ME/70)  
Serial Investor &  
Entrepreneur,  
Silicon Valley  
8<sup>th</sup> April



### From Pad Chalak to Padma Shri

Padma Shri Dr Mukesh Batra  
Founder-Chairman, Dr. Batra's  
Healthcare  
11<sup>th</sup> April



### Science, Superstition and The Steradian Trail: The Crazy World of Ideas

Shri. MN Krish  
(BT/1995/CE)  
Novelist  
25<sup>th</sup> April

## May - June



### Reviving Tesla for an Array of Possibilities

DA Dr. Thomas Thundat (1980/MSc/PH)  
Canada Excellence Research Chair  
Professor, University of Alberta, Canada  
15<sup>th</sup> May

## July - August



### Using Data Analytics For Meaningful Innovations

Gopi Koteeswaran  
(BT/ME/1993)  
CEO, Latent View Analytics  
14<sup>th</sup> August



### Women in the Corporate World and Work Life Balance

Soma Mondal  
Commercial Director, National  
Aluminium Company Ltd (NALCO)  
22<sup>nd</sup> August

## September - October



### Serving the Under-served: Lessons from A Real-world Journey

Sridhar Vembu  
(BT/EE/89)  
Co-founder, Zoho Corp  
4<sup>th</sup> September



### Connecting Genomic Information Storage to Cancer Suppression and Treatment: A Non-linear Scientific Journey

Prof. Ashok Venkitaraman  
Medical Research Council & the  
University of Cambridge, UK  
8<sup>th</sup> September



### Innovation

D Shivakumar  
(BT/AE/82)  
Chairman & CEO, PepsiCo India  
Holdings Pvt. Ltd  
12<sup>th</sup> September



### Principles of Management

Satish Pai  
(BT/ME/85)  
Dy. Managing Director, Hindalco  
Industries  
26<sup>th</sup> September



### Challenges of Video Streaming in Emerging Markets

Brahmayya Akella  
(BT/ME/1976 & MS/ME/1983)  
Founder & CEO, Touchfone  
Technology India Pvt Ltd  
10<sup>th</sup> October



### Building a Balanced & Successful Life

Noble Paul  
Research and Technology Strategy  
Partnership Manager, JAPAC, India  
and China for Airbus S.A.S, France  
17<sup>th</sup> October



### Life in the Technology Lane S "Sundi" Sundares (BT/EE/1978)

CEO, Xangati Inc., USA  
30<sup>th</sup> October



### Technology and Innovation in Agri & Dairy Sectors in Emerging Markets - An Entrepreneur's View

Ravishankar Shiroom (MT/1996/EE)  
Director, Stellapps Technologies Pvt  
Ltd, Bangalore  
31<sup>st</sup> October

## November - December



### Entrepreneurial Culture in Scaling Up Cognizant

Lakshmi Narayanan  
Vice Chairman,  
Cognizant Technology Solution  
7<sup>th</sup> November



### Computers and Sciences

Ananth Krishnan  
(CTO-TCS)  
14<sup>th</sup> November



# Nobel Laureate Lecture Series

**My Life as a Scientist:  
From Structural Biology to Structural Genomics**  
Prof. Kurt Wuthrich  
(Nobel Laureate in Chemistry, 2002)  
Professor, The Scripps Research Institute, USA  
17<sup>th</sup> January 2014



# Prof. S Sampath Endowment Lecture Series

**Innovations in Higher Education**  
Dr. C Sidney Burrus  
Maxfield & Oshman Professor Emeritus of Engineering  
Department of Electrical & Computer Engineering  
Rice University, USA  
16<sup>th</sup> April 2014



# Other Lectures at IITM



**Celebration of Science**  
Prof. C N R Rao  
National Research Professor, Honorary President &  
Linus Pauling Research Professor  
Jawaharlal Nehru Centre for Advanced Scientific Research  
22<sup>nd</sup> January 2014



**The Grand Challenge - Simplifying IT  
To Unleash Innovation**  
Paul Strong  
VP, CTO Office  
VMware, USA  
26<sup>th</sup> February 2014

# Delhi NCR Chapter Meeting

## Chapter Meeting

- Annual meeting at the India International Centre, New Delhi - 9<sup>th</sup> February 2014
- Attended by **50+** alumni and families



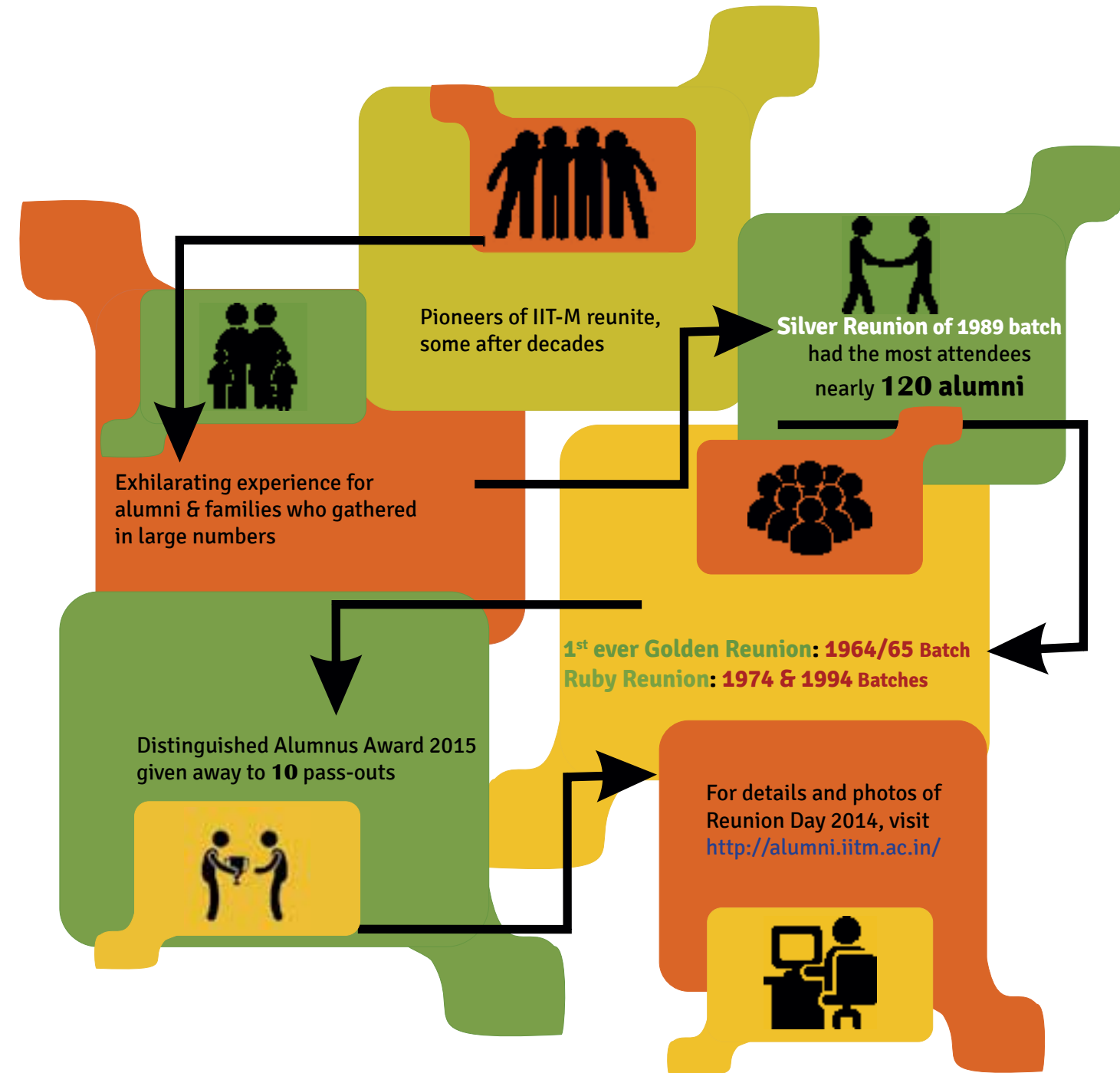




**Objective:**  
To increase networking among PG alumni many of whom are contributing significantly to both academics & industry

**Frequency :** Twice a year

First PG reunion of IITM (18<sup>th</sup> January 2014) - Department of Mechanical Engineering





# A Time for Bonding

## Bonding @ 2014

- Department of Chemistry Alumni meet
- 8<sup>th</sup> & 9<sup>th</sup> February



Panel discussion: "The Role of Alumni in Shaping the Future of Chemistry Department"



Participants: faculty, ex-faculty, students, alumni with family members

Student-alumni interactions:

- Career anxieties
- Safety issues at the chemistry lab
- Stress management
- The pursuit of a fulfilling & balanced life

Session for alumni to share "Memories"



### Events

- Display of old photographs
- Movie session and tour of the department and campus
- Distribution of mementos
- Networking



# Visit to IIT Kanpur



- Pan IIT Dean's Group on Alumni Relations and Fund Raising
- 20<sup>th</sup> & 21<sup>st</sup> September 2014 at IIT Kanpur
- An annual meet to share best practices
- Prof. R Nagarajan with 2 alumni, the Student Secretary for I& AR, and 2 staff members along with the Deans of the seven original IITs
- **Objective this year** - to identify and compile list of alumni who have made a significant impact on the world
- To drive brand building outside USA & India

## CII Conference

### Innovations in Policy Planning & Funding 21<sup>st</sup> March 2014

- Dean, I & AR was a panel member for the session "Leveraging Alumni for Institutional Transformation & Funding"
- Shared hands on inputs, valuable thoughts & insights on ways to leverage alumni for institutional transformation



# PAN IIT & Alumni Meet

Prof. David Koilpillai's visit to USA and Canada - 1<sup>st</sup> - 10<sup>th</sup> June 2014

## Meetings

- Texas A&M University with Sharath Girimaji, PR Kumar, Krishna Narayanan, ALN Reddy
- University of Houston with Dean (Engg) Prof. J Tedisco, Prof. R Badrinath, Prof. Zhu Han
- Alumni: Mehta, Badri, Mallik, Subba Jay & Rahul Mehta and Bernie
- Prof. Burns & Prof. Ashok Veeraraghavan
- Sant Rajinder Singh Maharaj (HNI)



USA

## Alumni interactions



- Dinner with Alumni and presentation of IIT Strategic Plan
- Alumni Meeting/Dinner hosted by Dr. KV Reddy

USA



- Panel Discussion
- Meeting with IITM Alumni Joshi, Kalyan and Som (Prof. Santhakumar Batch)

Canada

Canada

- Fermi Lab (Dr. David Johnston)
- Satellite Lab
- University of Waterloo at Toronto to meet with Prof. C Selvakumar, Prof. Sherman Shen and Prof. Amit Khandani
- McMaster University





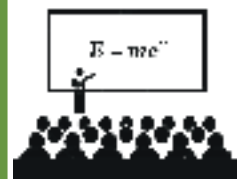
# Alumni Day



July 19<sup>th</sup>, 2014

- Day after 51<sup>st</sup> Convocation
- Theme - 'Kal, Aaj & Naalai'
- Participation - all batches/ departments & alumni

DAA presented to Anil Ananthaswamy, Science Writer, Consultant, "New Scientist" & author specializing in physics, neuroscience & climate change.



- Speeches by DAA awardee, Dean, I & AR & President of the Alumni Association

IITM is the only institute to offer an electronic voting option to alumni to select office bearers



Joint presentation by Dr. Ajit Kolar & Mr. Kumaran Sathasivam. While Mr. Sathasivam chose to take the audience down memory lane through the history of the 50s & the culture of IITM entirely in rhyme, Dr. Kolar stunned the audience with the history of the campus, how it came to be & various other titbits of factual anecdotes. The two had recently collaborated on a coffee table book on the institute called CampasChimes.



## Project for funding



First Student Secretary, I & AR  
Jithin Sam Varghese (2014)

- A 24 hour study center
- **Batch collection - ₹8.50 lakhs**



Silver Jubilee update  
Reps-Batches 1988 / 1989

- Prize distribution to students for academic distinction
- Award to Jamuna hostel: most votes & highest amount pledged towards batch project
- Panel discussion



Presentation & Speeches

- Siddharth Dialani, Co-curricular Affairs Secretary: Centre for Innovation & technical festival Shaastra
- Manu Santhanam: need to preserve heritage structures
- Prof. Mangal Sundar: MOOCs
- Prof. Sujatha Sinivasan: assistive devices
- Prof. VR Muraliedharan: the new Centre for Technology & Policy

## Updates & reminiscences



Prateek Kolhar  
Student Head of International & Alumni Affairs

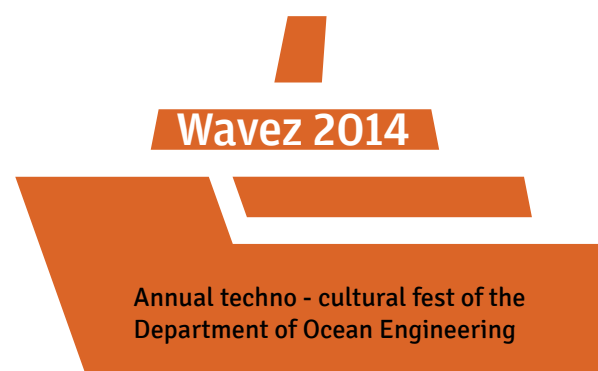
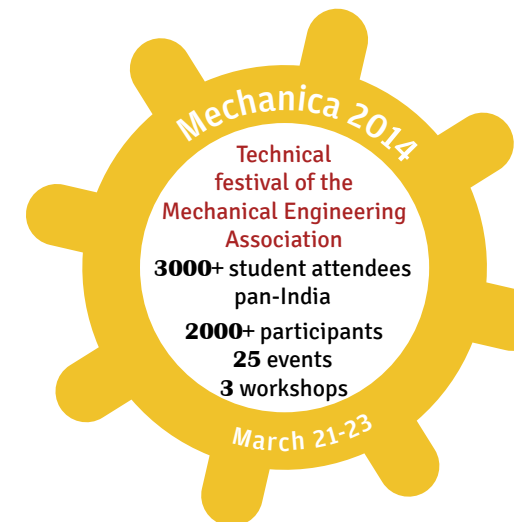
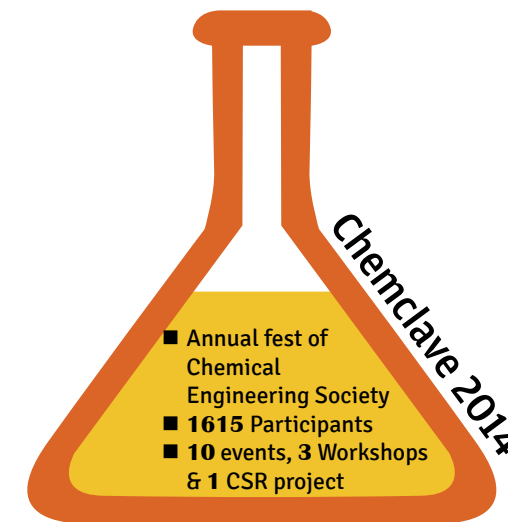
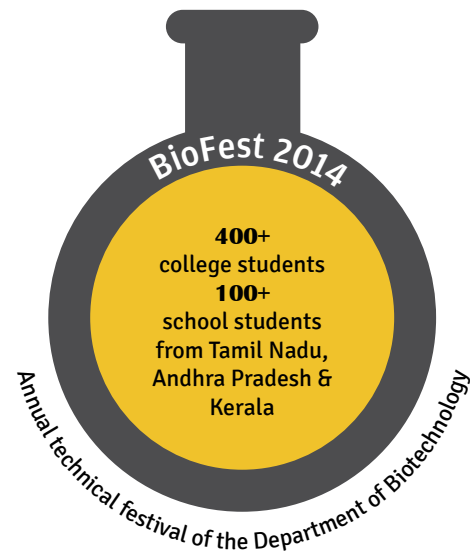
- Plans for next academic year
- Campaigns on social media
- Initiatives to reconnect batches



Representatives  
Batches 1964 /1965

- Golden Jubilee celebrations
- Down memory lane: crossing the Adyar River by boat & getting lost in the forest on campus

# Events Sponsored by Alumni Funding





Workshop - Faculty  
Development Programme -  
Improving the quality  
of Research

Healthcare, Career  
and Commerce  
(H3C) Conference

6<sup>th</sup>  
International  
Symposium for  
Research Scholars -  
Metallurgy, Materials  
Science & Engineering  
**185 participants**  
392 abstracts submitted  
193 approved for  
presentation

Shyama Sastri &  
Muthuswami Dikshitar  
Jayanthi  
15<sup>th</sup>/16<sup>th</sup> November

Soft Matter Young  
Investigators Meeting

## ₹ Financials

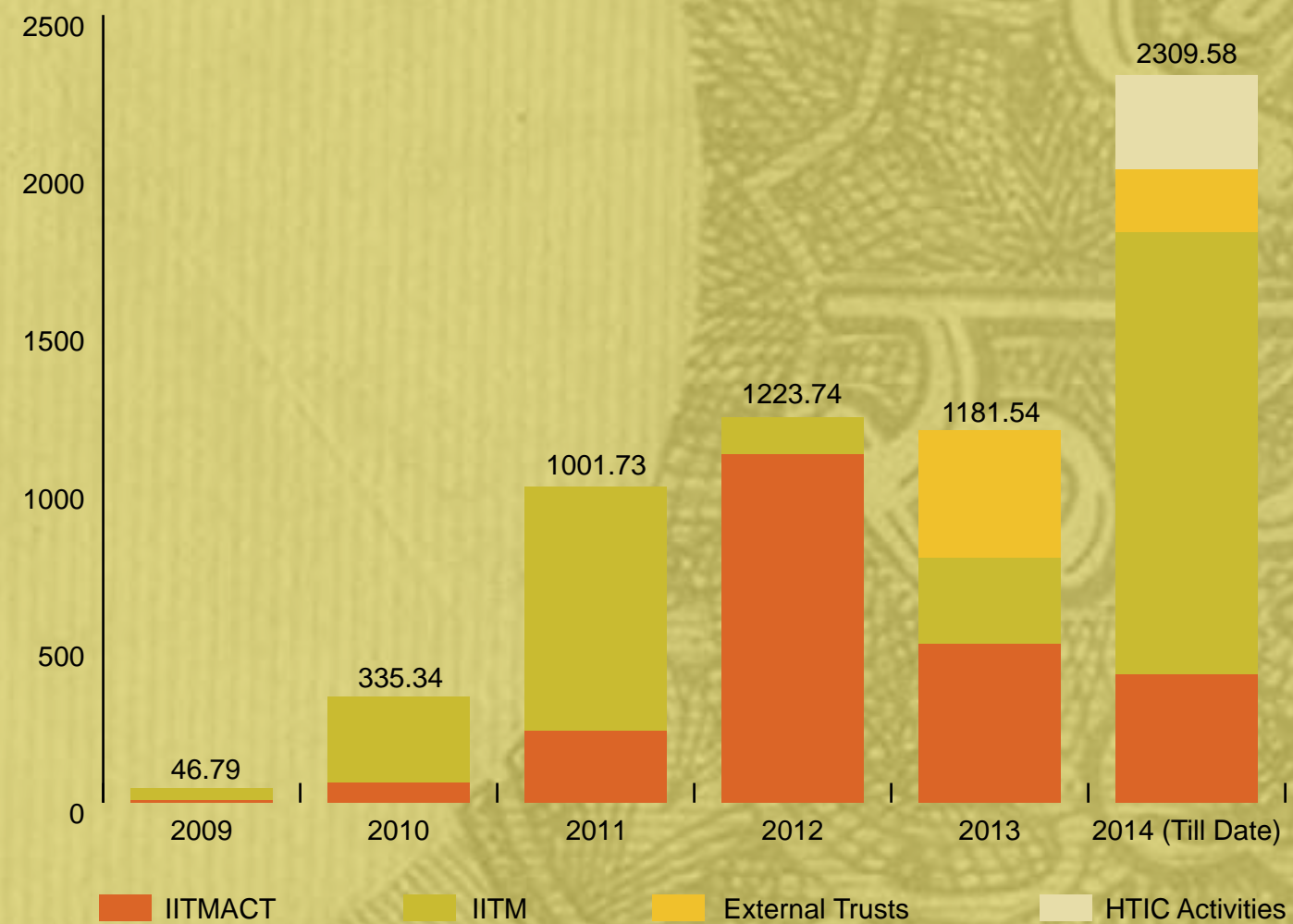
- Fund Status & Report
- Donor Wall of Fame
- Graduand Pledge
- Waiver of Caution Deposit
- New Endowments & Scholarships in 2014
- Projects for Funding

The Institute receives funding from multiple sources and growth has been reflected in all the avenues of funding. A well thought-out Development Plan linked to the Strategic Plan will delineate projects for funding. 2014 saw a healthy 500% growth in alumni giving, the money from which was utilized either for specified projects or added to the Institute's corpus. Income from endowments was used for supporting Chair positions and scholarships for students as envisaged by the donors. The Institute targets raising ₹100 crore (\$20 million) annually towards a corpus of ₹500-₹1000 crores (\$100-200 million) by 2020.

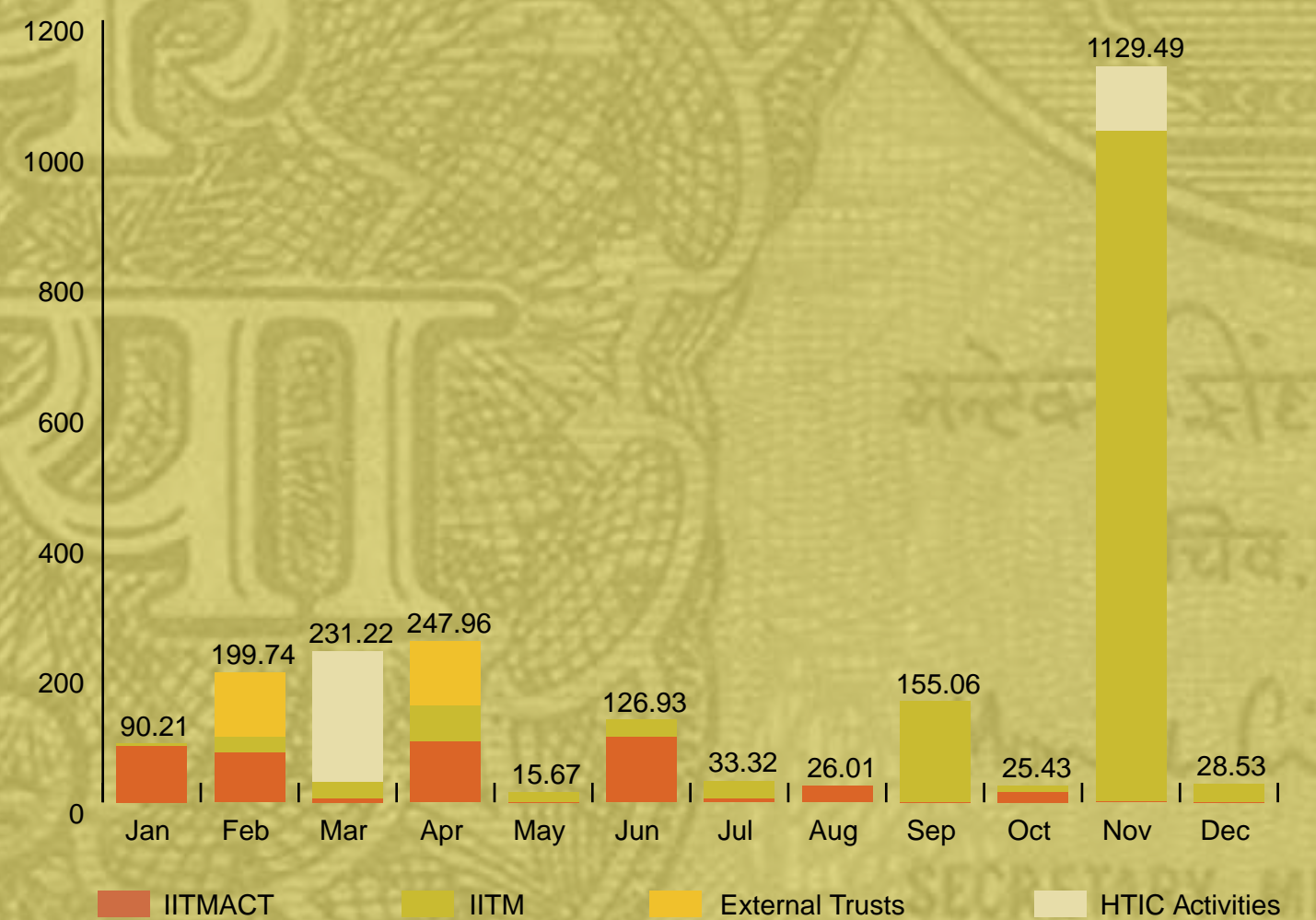


# Fund Status & Report

Yearwise donation (₹ in lakhs)

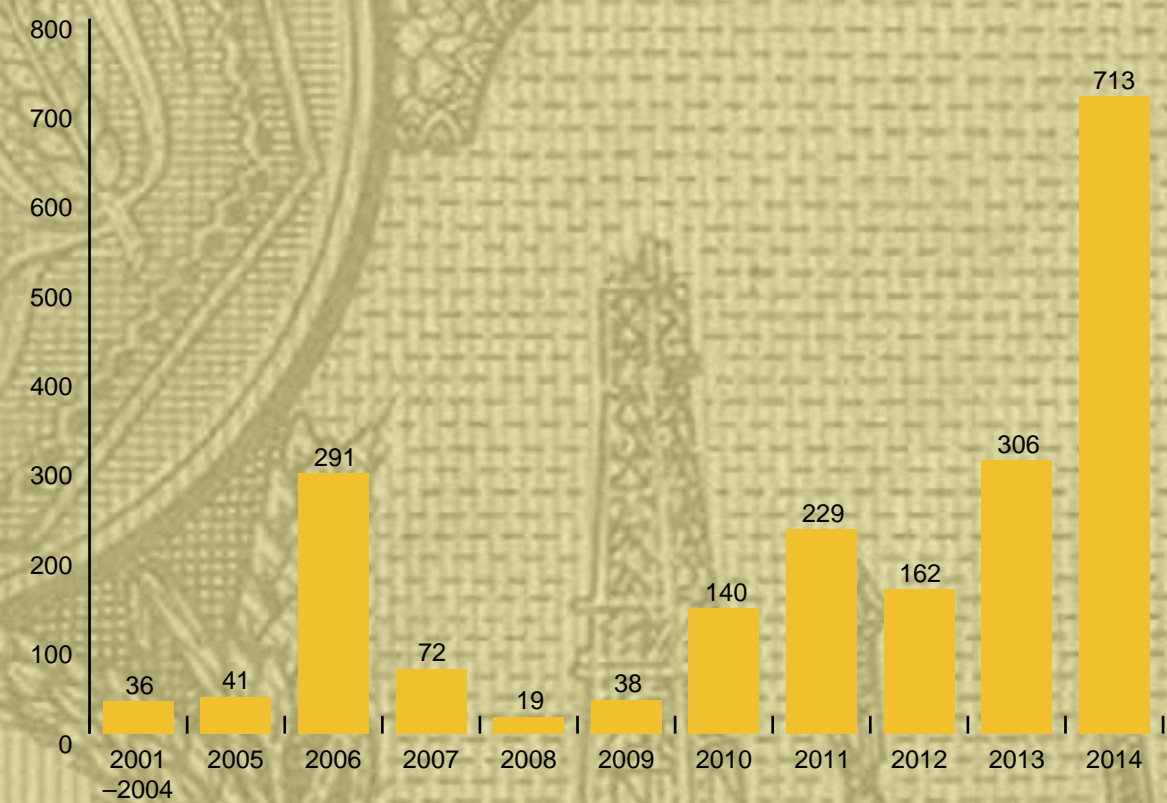


2014 monthwise donation (₹ in lakhs)

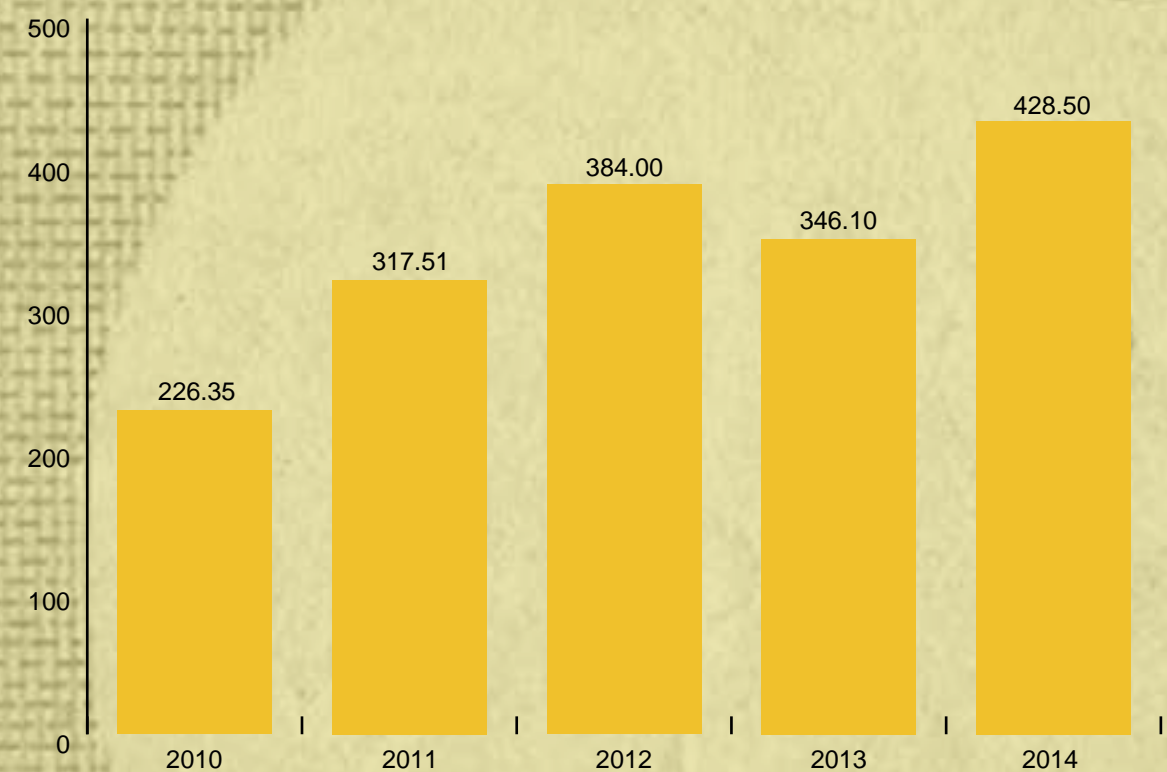




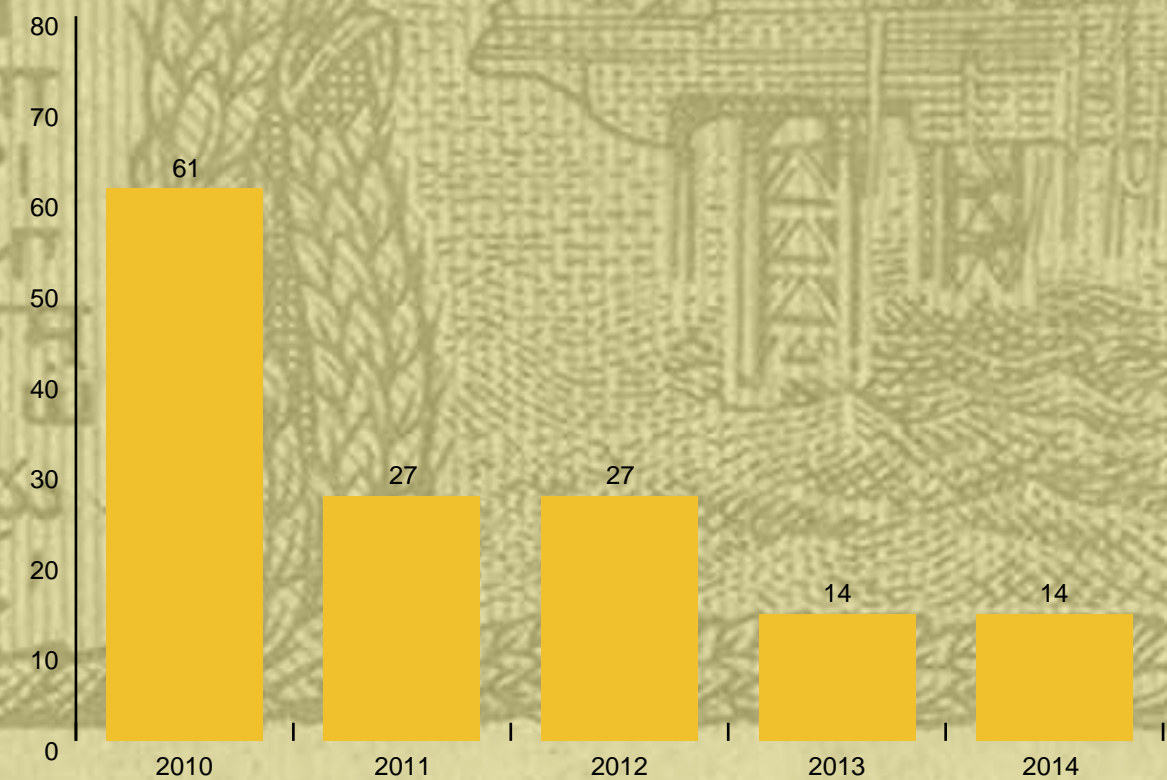
New Donors



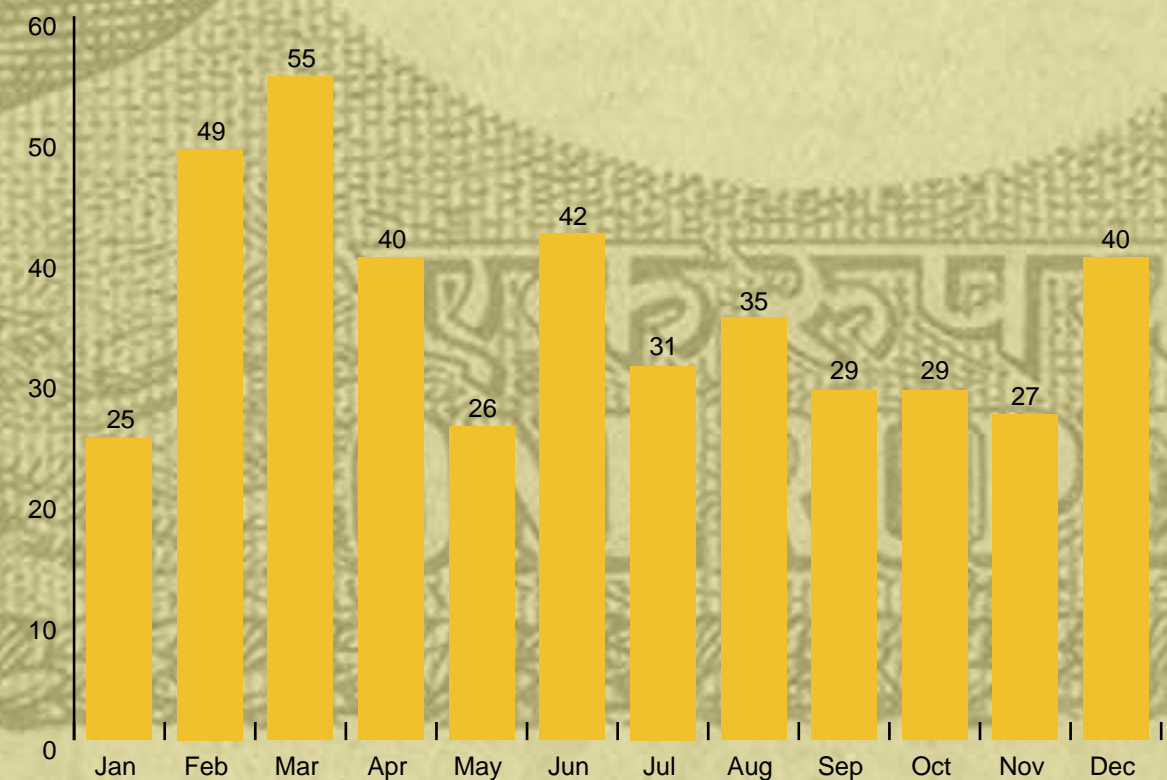
GEMs (Amount donated over 5 years - ₹ in thousands)



New Donors (GEMs)



GEMs (Amount donated in 2014 - ₹ in thousands)





# Donor Wall of Fame

## DIAMOND

CONTRIBUTION GREATER  
THAN ₹5 CRORES

S Swaminathan – Managing Trustee,  
SSAN Ananya Trust (1969)  
Gururaj & Jaishree Deshpande (1973 & 1975)  
S Gopalakrishnan (Kris) (1979)

## GOLD

CONTRIBUTION BETWEEN  
₹51 & 100 LAKHS

V Vikram & Susan Rao (1965)  
Virupaksha Reddy K (1972)  
Sunil T Wadhvani (1974)  
Girish V Reddy (1977)  
Vijaykumar & Jayshree Ullal (1980)  
Thomas Alexander (1984)  
Krishna Swaroop Kolluri (1986)  
Ram Sundaram (1988)  
Anand Rajaram (1993)  
Vijaya and Prakash Keshaviah (1967)  
Dr. Krishna Chivuluka - Chairman  
Indo-US MIM Tec Pvt. Ltd (1970)  
Anonymous (3)

## PLATINUM

CONTRIBUTION BETWEEN  
₹1 & 5 CRORES

Anonymous (4)  
Jagadeesh Moodera (1978) & Dr. Geetha P Berero  
Shrikumar Suryanarayan (1982)  
Phaneesh Murthy (1985)  
Satish Pai (1985)  
Venkatesh Harinarayan (1988)  
Prasad & Shoma Setty (1982)

## SILVER

CONTRIBUTION BETWEEN  
₹16 & 50 LAKHS

Kris Venkat (Late) (1968)  
Dr Parasuram Balasubramanian (1971 & 1973)  
Satish Ramakrishna, Rajeswari Ranganathan &  
family (1987)  
Rajesh Jha (1988)  
Sudhir Sitaram Krishna (1976)  
Sampath H Srinath (1977)  
Srinivasan V (1977)  
Indira Subramanian (1978)  
Ranga Jayaraman (1978)  
Subramanian Sundaresh (1978)  
Raju Venkataraman (1981)  
Joy Thomas (1984)  
Tony Thomas (1986)  
K Shanker (1971)  
MS Karthikeyan (1987)



# BRONZE

CONTRIBUTION BETWEEN  
₹5 & 15 LAKHS

Niranjan Nilakantan (1996)  
B Suresh Kamath (1982)  
Suri Raman (1988)  
Vijaykumar Tella (1986)  
Yogesh & Gail Gupta (1981)  
Prakash Narayan (Late) (1976)  
P Senthil Nathan (1980)  
Praveen Gotipalli (1982)  
Marti G Subrahmanyam (1967)  
Raghu Rajagopalan (1980)  
Ananth Doraswamy (1986)  
G Venkatesh (1978)  
P Sundar Shekar (1985)  
D Chandrasekhar (DC) (1970)  
Prabhakar Raghavan (1981)  
Kalpathi S Suresh (1986)  
S Venkatesh (1988)  
Murthy R Nuni (NVR) (1985)  
Srishail Chari (1985)  
Paulette Altmaier (1978)  
Srikanth Shoroff (1988)  
M Radhakrishnan (1987)  
Suryanarayan Raman (1988)

Joseph Vithayathil (1974)  
Sadeesh Raghavan (1980)  
Shreyas Mehta (1978)  
Kumar Ganapathy (1987)  
Ananth Raghavan (1985)  
Anonymous (7)  
Yujendra Mitikiri (2001)  
R Sridhar (1976)  
Sankar Ramasubramanian (1988)  
Vivekanand Rau (1989)  
Krishnakumar Srinivasan (1981)  
Vasu Guruswamy (1982)  
Ramamurthy Nagarajan (1981)  
Swaminathan Gopalswamy (1987)  
Vivek Chaudhri (Choudu) (1987)  
Raj Nair (1983)  
Ravi Sonnad (1987)  
Ramesh Damani (1985)  
Chilukuri Narayana Sastry (1974)  
George Verghese (1974)  
Manalur S Sandilya (1972)  
Kalappa Bittianda (1986)  
R Ramanan (Late) (1976)

# BRONZE

CONTRIBUTION BETWEEN  
₹5 & 15 LAKHS

MT Raghunath (1987)  
Pukhraj & Manju Jain (1965)  
Sampath Srinivas (1986)  
Venkat Viswanathan (1992)  
Ramamoorthy Sridharan (1988)  
B Gautham (1978)  
Jagdish V Dore (1971)  
Alok Mohatta (1976)  
Preeti & Ben Verghese (1985)  
Raghu Ramamoorthy (1982)  
N Harshadeep (1988)  
Ramesan Nair (1988)  
Ravi Krishnamurthy (1984)  
Chitra Dorai (1987)  
Sunil J Noronha (1987)  
Hari Srinivasan (1987)  
Rajiv Vijayan (1986)  
KK Krishnakumar (1987)  
Madhan Rengarajan (1976)  
Sarma Gullapalli (1964)  
Anil Nair (1986)  
Alagu Balaraman (1985)  
Ramanathan v Guha (1986)

Y Achyuth Reddy (1980)  
Bala Sriram (1988)  
Ravi Sundaram (1984)  
Rajesh Dalal (1976)  
Sridhar K (1984)  
T Shivaraman (1987)  
Sukumar Rathnam (1986)  
Babu Raj Gopi (1978)  
Krishna Natarajan (1988)  
Seetaraman Harikrishnan (1988)  
Atul Saini (1986)  
Aditya Shankar (2010)  
Ramgopal Srinivasan (1980)  
Raghu S Rao (1984)  
Mukesh Sundaram (1977)  
S Parthasarathy (1980)  
Ravindra Nagappa (1980)  
Ambi MG Parameswaran (1977)  
Gopalan Raman (Honoring G Lakshmi - 1968 & 1974)  
Rama Divakaruni (1988)  
B Viswanathan (1977)

## GROUP

DONATIONS BETWEEN  
₹50 LAKHS & 5 CRORES

1973	1983
1976	1984
1977	1985
1978	1986
1980	1987
1981	1988
1982	TTK group

## FRIENDS OF IITM

Friends of IIT Madras  
Amadasoft India Private Limited  
Ashok Leyland Limited  
Bharat Heavy Electricals Limited  
Bosch Limited  
Brakes India Limited  
Canara Bank, IITM branch  
Chennai Petroleum Corporation Limited  
Dr Kamlesh Shyamdas Memorial Trust  
Granules India Limited  
Hindustan Petroleum Corporation Limited  
Larsen & Toubro Limited ECC Division  
Mehta Foundation  
Nagesh Ganesh Alai (Non-alumnus)  
Polaris Software Laboratories Limited  
Suresh Ramasubramanian (Non-alumnus)  
TVS Capital Fund Limited  
Villgro Innovation Foundation

## Graduand Pledge

Launched in 2010.  
Encourages graduating students to  
make a one-time or recurring donation  
towards campus improvements.

Rolling trophy  
winner -  
Jamuna  
Hostel.  
Highest #  
pledges +  
maximum  
amount



Contributions put to  
immediate use.  
Highest deployment rate for  
donations among all IITs.

Nearly **1000**  
students pledged  
greater than  
**₹38 lakhs**



## Waiver of Caution Deposit

₹

Waiver of  
caution deposit  
towards project  
of choice



**496**  
student  
participants



An initiative  
“Leave Your Imprint”  
**₹8.5 lakhs**

↓  
“Study Center” at  
the Quark



## New Endowments & Scholarships in 2014



Smt. Hattiangadi Manorama Bai  
Scholarship

IIT Alumni  
Association UK  
Fund Endowment  
– Interest to  
be used for  
supporting  
poor deserving  
students

LLS Endowment  
Fund

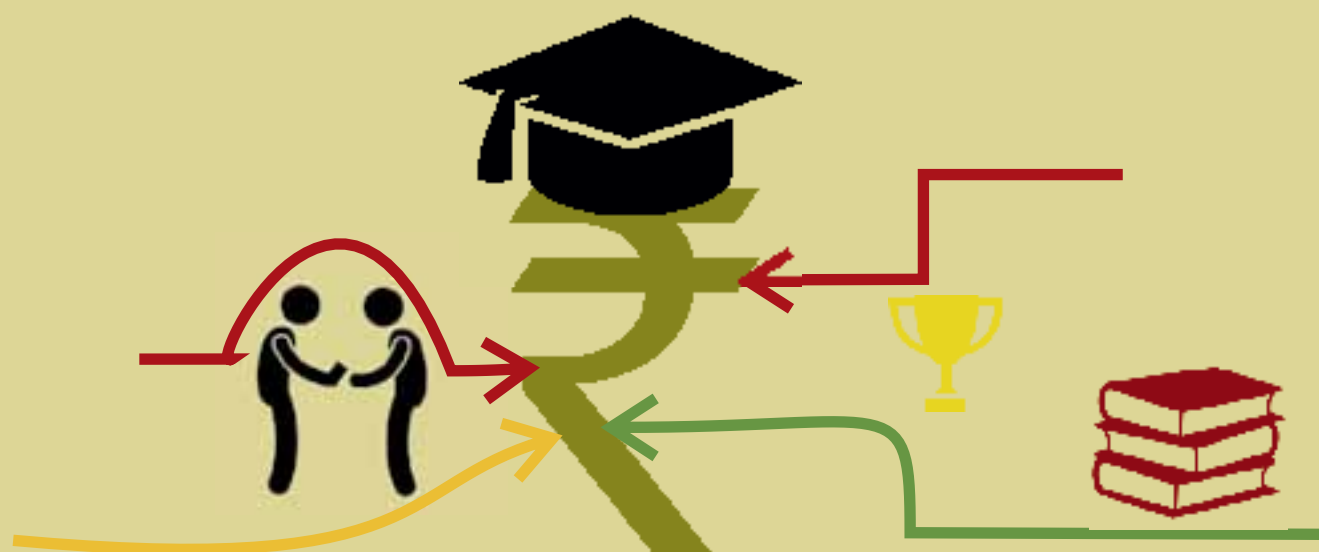
DA Endowment  
Fund

Lakshmi Raman  
Memorial  
Lecture in  
Physics

IIT Madras Chemistry  
Research Endowment Fund



# Projects for Funding



## Full sponsorship of M.S, Ph. D scholars

- Total cost per M.S. candidate - ₹8 lakhs
- Cost per Ph.D candidate - ₹22 lakhs

## Top-Up scholarship for M.S., Ph.D scholars

- Total cost per M.S. candidate - ₹4 lakhs

- Total cost per Ph.D candidate - ₹8 lakhs

## 6-Month enhanced fellowship for exceptional Ph. D students

- Total cost - ₹2.7 lakhs including ₹45,000 stipend per month

## Full sponsorship of Institute post-doctoral fellows

- Total cost - ₹5.4 lakhs including ₹45,000 stipend per month



## Research enrichment abroad program

- Cost per student for a 6-month stay abroad - ₹8 lakhs
- Cost per undergraduate student for 3 month research internship - ₹5 lakhs
- Cost per faculty workshop - ₹10 lakhs

## Visiting Chair Professorship

- Chair in perpetuity - ₹2.5 cr
- 5 year Chair- ₹1.25 cr
- Short duration Chairs - ₹50 lakhs - ₹1.25 cr

## Institute Chair

- Cost per Chair (for 2 years) - ₹50 lakhs.

## Naming Rights

- Cost per naming right: case to case



## Awards, Prizes, Scholarships

- Scholarships for students with a minimum Endowment of ₹25 lakhs
- Awards & prizes for academic & other contributions by students & faculty with minimum endowment of ₹2 lakh

## CSR-related initiatives

- Cost: Case to case

## Benefits for Sponsor

- Branding
- Recruitment of high quality research talent

## Benefits for Student

- Internship
- Mentorship
- Industry experience







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