

## **Greetings from the Office on International & Alumni Relations at IIT Madras!**

As an institution, we are committed to strengthening our corporate and industry linkages. While sponsored-research and consultancy projects provide the most direct mechanism of interaction, there are several other ways in which corporates & industry can help enhance the research ecosystem at IIT Madras. Here are 10 that are incorporated into our "Strategic Plan 2020":

1. **Full-sponsorship of M.S., Ph.D. scholars**
  - a. **Primary benefit to sponsor: recruitment of high-quality research talent**
  - b. **can be in specific area of interest to sponsor**
  - c. **separate advertisement issued by IITM**
  - d. **Total cost per M.S. candidate: Rs. 8 lakhs**
  - e. **Total cost per Ph.D. candidate: Rs. 22 lakhs**
  - f. **sponsored student can spend 3-6 months at sponsor's facilities**
  - g. **scholarships given at 1.5X Government scholarship levels**
  - h. **other expenses covered (books, computers, attendance at international conferences, visits to collaborators' research labs)**
2. **Top-Up of scholarship for M.S., Ph.D. scholars**
  - a. **Primary benefit to sponsor: recruitment of high-quality research talent**
  - b. **can be in specific area of interest to sponsor**
  - c. **Total cost per M.S. candidate: Rs. 4 lakhs**
  - d. **Total cost per Ph.D. candidate: Rs. 8 lakhs**
  - e. **sponsored student can spend 3-6 months at sponsor's facilities**
  - f. **top-up amount to fund additional costs to scholars**
3. **6-Month enhanced fellowship for exceptional Ph.D. students**
  - a. **Primary benefit to sponsor: recruitment of high-quality research talent**
  - b. **thesis must be submitted within 4 years (4.5 years in science streams)**
  - c. **operates like post-doctoral fellowship scheme, but must stay with Ph.D. guide**
  - d. **Rs. 45,000 per month plus hostel accommodation for 6 months after thesis submission (total of Rs. 2.7 lakhs per student)**
4. **Full-sponsorship of Institute post-doctoral fellows**
  - a. **Primary benefit to sponsor: recruitment of high-quality research talent, upgrading of skills of Ph.D. resources currently employed**

- b. selection & supervision by a committee headed by Dean-Academic Research, with departmental Head and sponsor rep as members
  - c. **Rs. 45,000 stipend per month** (total of **Rs. 5.4 lakhs** per year)
5. **Research enrichment abroad program**
- a. **Primary benefit to sponsor: recruitment of high-quality research talent**
  - b. to promote strong 3-way research collaborations with corporates/ industry and with leading global academic institutions
  - c. sponsor to define problems or areas of interest
  - d. relevant faculty interactions to be initiated (visits & workshops, video-conferencing, joint proposals)
  - e. student exchanges to follow (Ph.D. and M.S. scholars, M.Tech. students to spend 3-6 months carrying out research at collaborators' laboratories, in industry)
  - f. research & recruitment benefits to accrue to sponsor
  - g. Per-student cost for a 6-month stay abroad: **Rs. 8 lakhs**
  - h. Cost per undergraduate student research internship for 3 months: **Rs. 5 lakhs**
  - i. Cost per faculty workshop: **Rs. 10 lakhs**
6. **Visiting Chair Professorship**
- a. **Primary benefit to sponsor: Branding, improved research ecosystem at IIT Madras resulting in high-quality output of employable graduates**
  - b. Visiting Professor to provide input into teaching, research, innovation/ entrepreneurship, corporate/ industry connect
  - c. area identified in consultation with sponsor
  - d. Cost for Chair in perpetuity: **Rs. 2.5 crores**
  - e. Cost for 5-year Chair: **Rs. 1.25 crores**
  - f. Cost for short-duration Chairs: **Rs. 50 lakhs to Rs. 1.25 crores**
7. **Institute Chair**
- a. **Primary benefit to sponsor: Branding, improved research ecosystem at IIT Madras resulting in high-quality output of employable graduates**
  - b. for senior IITM faculty to reward exceptional performance
  - c. Period: 2 years
  - d. additional stipend and other facilities provided
  - e. Cost per Chair: **Rs. 50 lakhs**

## 8. Naming Rights

- a. **Primary benefit to sponsor: Branding, Association with IIT Madras**
- b. Buildings, laboratories and other facilities may be named after sponsor
- c. Cost per naming right: **case-by-case**

## 9. Awards, Prizes, Scholarships

- a. **Primary benefit to sponsor: Branding, improved learning ecosystem at IIT Madras resulting in high-quality output of employable graduates**
- b. Awards & prizes to recognize various academic and other contributions by students & faculty may be instituted with a minimum Endowment of **Rs. 1 lakh**
- c. Scholarships for students may be set up with a minimum Endowment of **Rs. 25 lakhs**

## 10. Corporate Social Responsibility (CSR)-related initiatives

- a. **Primary benefit to sponsor: Leveraging of CSR funds for maximum societal benefit**
- b. DST-approved incubator on campus: Incubation Cell
- c. Socially-Responsible Projects scheme (SRPs)
- d. Transformational research (water, housing, energy, environment, land use, waste treatment, agriculture, healthcare, assistive technologies)
- e. Cost: **case-by-case**

Please contact us at [deaniar@iitm.ac.in](mailto:deaniar@iitm.ac.in) to explore these ideas further, or to propose your own. You may also call Ms. Thara Ganesan, our VP of Development at +91 9003121448+91 9003121448.

Together, we can elevate IIT Madras to the top tier of research institutions in the world, with industry reaping the benefits as well. Thank you for your support.

### **About IIT Madras:**

IIT Madras (<http://www.iitm.ac.in>) is one of the leading technological institutions of the world, and among the most selective in terms of undergraduate admissions (< 1% of

applicants). There are 16 departments (11 in Engineering, 3 in basic sciences-- mathematics, physics, chemistry--, one in Humanities & Social Sciences, and one in Management Sciences. There are nearly 8,000 students on campus, of whom two-thirds are post-graduate students, including 2,000 Ph.D. scholars and 1,000 M.S. (by research) scholars. The faculty strength is 540, with a net addition of 30 faculty per year over past 10 years. Several Centers of Excellence have been established on campus (National Center for NEMS & Nano-Photonics, National Center for Combustion R & D, Center of water Purification Using Nano-Technology, Healthcare Technologies Innovation Center, Center for Solar/ PV R & D, Indo-German Center for Sustainability, Center for Technology & Policy, to name a few). A newly-installed Virgo HPC cluster ranks # 1 among educational institutions in India, and # 5 globally in energy efficiency. Another recent addition is the 300 kV High-Resolution Titan TEM, one of only 3 in India.

The IIT Madras Research Park is a true game-changer-- first-of-its-kind University-based Research Park in India, with one tower of 500,000 sq ft space fully occupied. The second phase, scheduled to be operational by year-end 2014, will offer 1.5M sq ft of additional space. A large variety of companies have located their R & D centers in IITMRP, and engage comprehensively across disciplines at IIT Madras. IITMRP has been a catalyst for industry interactions, with research & consultancy projects, guest teaching & project guidance, internships and sponsored PG candidates being among many modes of engagement. A knowledge & innovation ecosystem has been created, with unparalleled potential.

In the Q-S Global Subject Rankings for 2013, IIT Madras ranks # 66 among Engineering & Technology institutions (15th in Asia). One department-- Civil Engineering-- is in the Top 50 globally. "Strategic Plan 2020" calls for IIT Madras to be among the Top 30 E & T institutions in the world by 2020. The Q-S BRICS rankings, released for the first time in 2013, place IIT Madras at # 16. While rankings are a partial measure of an institution's performance, IIT Madras is proud that outcomes from its research-- fundamental, translational, and transformational-- continue to have significant (and disproportionate) impact on society at large. IIT Madras alumni are a globally-dispersed diaspora who are leaders in virtually arena that they enter-- academics, technology, business, enterprises, even politics. The Institute is equally proud of their accomplishments.