

**INDIAN INSTITUTE OF
TECHNOLOGY MADRAS**

High Risk High Reward Program (HRHR)



**OFFICE OF
GLOBAL
ENGAGEMENT**



- Building upon a recently conducted survey
- New dedicated international mobility program – High Risk High Reward
- Improve the perception of IIT Madras



- It is important to have international research collaborations with highly ranked institutions abroad
 - * Enrich the research atmosphere
 - * Improve ranking metrics
 - * Quality joint publications
 - * International funding opportunities
 - * International students on campus
 - * International faculty
 - * Perception



- In addition to SPARC, VAJRA, etc.
- Exclusive for visiting top ranked universities - 2 to 3 months during summer break
Proposed: Top 25 of QS rankings – or researchers with high research credentials
- ✓ High Risk High Reward (per faculty)
- ✓ One visit to start with
- ✓ A PhD student to accompany faculty on their visit
- ✓ Amount per visit will be according to approved budget
- ✓ Support ~5-10 faculty per year
- Find a donor for the program to continue



1. International research collaborations with IIT Madras
 2. Objective: Fund “out of the box” ideas with novel concepts which are expected to change the course of research/technology if successful
 3. Stricter, multiple, and independent selection and assessment yardstick
- ✓ Proposal submission – to be reviewed and graded by a top researcher in the field (International)
 - ✓ Presentation along with the proposed collaborator to the international committee
 - ✓ High returns: High quality peer reviewed publications, product development, patents, JDP, JMP, etc.
 - ✓ Past collaborations, joint publications, joint research project, joint guidance, etc. to be considered
 - ✓ Encouraging young faculty to also take up top-class collaborations

Results of a Recent Survey Among Faculty



- A recent survey was conducted among IITM faculty
- The program was designed after studying the results
- They are shared in the following slides for your information



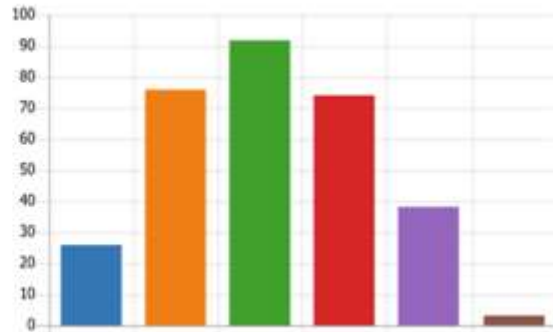
1. Do you have an active collaboration with your international doctoral/ post-doctoral supervisor?



2. Do you currently have active international collaboration(s), excluding your doctoral/ post-doctoral supervisor/ institute?



3. What is the mode of your current collaboration?

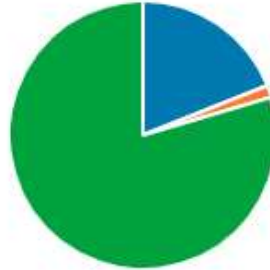


Results of a Recent Survey Among Faculty



4. If you are not collaborating with international partners, do you wish to have an international collaboration?

Yes	26
No	2
I am already collaborating	109



5. Do you think international collaboration is important, necessary, and complementary to your research at IIT Madras?

Yes	123
No	2
Maybe	12

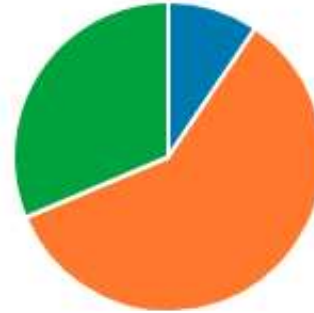


Results of a Recent Survey Among Faculty



6. Did you ever approach anyone in one of the top 20 QS universities (if you are not collaborating already) with a collaboration proposal?

Yes	13
No	81
I am already collaborating with...	43



7. If the answer to question 6 is no, what do you think were the potential reasons?

Research funding	6
Mobility funding (for you and ...)	5
Lack of interest from approach...	2
Any other reason	5





8. Do you think having international collaborations would help in getting more visibility for your research?



9. Do you think citations for papers have a direct relationship with collaboration (either national or international)?



10. Do you think that international collaborations help in improving the overall publication statistics?

