

Information Brochure

 Raising A Mathematician Foundation™

In association with
 CHENNAI
MATHEMATICAL
INSTITUTE

RAM TP 2023

Raising A Mathematician Training Program

03 Brochure

07 Important Information

08 Frequently Asked Questions (FAQ)

13 Recommendation Letter



RAM TP 2023

Brochure

Brochure of the 10th Annual National-level Mathematics Training Program for High School Students

Objective:

To guide young and bright Mathematical talent (age 13-15 years) to take up a career in Mathematics and encourage them to pursue research in either pure or applied Mathematics.

The unique aspect of this program is that it works independent of any grading system and hence the students will be encouraged to take intellectual risks. The program stresses questioning and looking at the proofs of various mathematical concepts so as to understand the thought process behind its origin and encourage the students to develop a research attitude.

Highlights:

1. Focus on conceptual understanding of secondary/higher secondary level Mathematics and topics beyond the curriculum.
2. Create a community of like-minded students who can share their knowledge base, encourage, motivate and get motivated by fellow students.
3. Attend guest lectures by eminent professors of Mathematics and industry experts who are actively involved in the research and practice of Mathematics in pure or applied areas.

Target:

At the end of the program, the student will be able to gain a better understanding of higher secondary level Mathematics and correlate different topics, thereby getting a holistic view of the subject. The student will be able to appreciate the application of mathematical concepts in allied areas.

Topics covered in past:

- Non-Euclidean Geometry
- Number Theory
- Indeterminate Equations
- Cryptography
- Game Theory
- Financial Mathematics

- Proofs
- Sequences and Series
- Combinatorics
- Algorithms
- Mathematical Logic
- Theory Construction

For Senior Batch

- Econometrics
- Machine Learning
- Multiple Regression
- Matrix Algorithms
- Linear Algebra

Discussions on the work of eminent mathematicians, history of Mathematics in today's context and scope of further research

Application Fee**INR 200****Early bird application fee on or before January 15th, 2023****INR 150****Duration & Fee****7 days free of cost residential camp**

Important Information

- PLEASE ENSURE THAT YOU HAVE READ THE BELOW DOCUMENTS WELL BEFORE YOU FILL UP THE FORM FOR RAM TP 2023.
- Ensure you have seen the video on how to apply using our student app before you start the application process <https://tinyurl.com/howtoramtp>. Mention your email address when filling the application without any spelling errors and ensure that you have saved our email address so that our emails do not go to your spam folder.
- Please write your name and name of your school correctly in the application form (Kindly do not use all CAPS) as the same will be printed on the certificate we present after successful completion of the camp.
- Recommendation Letter (recommended, but optional in case you don't have a teacher who can recommend) will add value to your application. You can attach a scanned copy of a recommendation by the teacher OR mention the teacher's email address while filling up the online application form so that the teacher can directly send across the recommendation letter through the link that will be provided to her on the email.
A sample template of the recommendation letter is given below in this document. You can send this to your teacher and they can use these points when writing your recommendation letter.
- We receive a large volume of applications. Please read the instructions in this document including FAQ. Phone calls to our number will be entertained only after you have read the below documents.
- If your board exam dates coincide with the camp dates, please do not apply for the camp.



FAQ

Frequently Asked Questions

1. What is Raising A Mathematician Training Program (RAM TP)?

RAM TP is an annual 7-day national-level residential program. In this camp, students are exposed to higher-level Mathematics and focus is on exploration, discussion, and enquiries rather than mere coaching.

For more details, watch on YouTube: <https://tinyurl.com/aboutramtp>

2. Where and When will the program be held?

The camp is a residential camp and will be conducted at Chennai Mathematical Institute, (CMI).

The dates for the camp are: **May 7th to 13th, 2023**

3. How many students attend the program?

Around 100 students are selected all over India out of hundreds of applications received. Last year we had students from 19 states attend the program. About 25% of the students attending the program are usually girls.

4. What Is the basis of selection for RAMTP?

The students are selected based on the inputs provided in the application form submitted and the Teachers' Recommendation Letter. We do not give more weightage to marks scored in school or curriculum and are looking for students who display a passion to pursue Mathematics as a career or want to explore the application of Mathematics. If needed candidates may be interviewed via telephone. Selection for an interview does not automatically improve your chances of getting selected.

5. Will this program help me to appear for any exam like IOQM?

There will be no training provided specifically to cater to any exam. The objective of this program is to free the students' mind from focusing on exam preparation and dive deep into Mathematics. This is precisely why we don't conduct any test at the end of the program.

6. What does a typical day of a student at the training program look like?

The day generally starts at around 7 am. The sessions typically end by dinner time with adequate breaks in between. Daily around 4-6 hours of formal sessions are conducted. This includes a guest lecture by a renowned speaker from reputed institutes or a research professor or an industry expert.

7. How do I apply for this program?

Watch the video with instructions on how to apply: tinyurl.com/howtoramtp
Go to <https://app.raisingamathematician.com/login> and complete the application. Ensure you fill in the correct email address and phone number and complete the process by paying the application fee. Do add our emails contact@raisingamathematician.com and raisingamathematician@gmail.com to your contact list so that emails from us do not end up in your spam folder.

8. Do you provide an application fee waiver?

The application cost is kept very low so that it is very affordable. The application fee waiver is provided on a need-based and will require your school teacher to vouch for your financial constraint.

You have to write an email to raisingamathematician@gmail.com explaining why you need the waiver.

9. What is the last date for submitting the application?

The last date for submission of online application is **January 31st, 2023**

10. When will the results be declared?

The names of selected students will be displayed on www.raisingamathematician.com latest by March 1st, 2023.

11. Can we join the program one day later?

No student is allowed to join the program after May 7th, 2023 or leave before the valedictory on May 13th, 2023.

12. What is the fee for the program?

The program is offered free of cost for the selected students. We believe that the students who are selected for this program are deserving candidates who need to be encouraged to attend such programs. If the candidate does not complete the program for any reason, an amount of Rs.5000 will have to be paid to RAM Foundation to recover the administration cost incurred on the student for attending the program.

13. How do you manage to offer the program free of cost? How can someone support RAM TP?

The free training program is possible because of grass root contributions from parents of students, volunteers and individuals as they believe in the cause of Mathematics education and also through the support of institutions like CMI who sponsors the food and accommodation during the camp. We encourage parents to offer a donation if they can afford it. Your donation will help brightening the future of aspiring mathematicians and scientists. To make an offering click on https://pages.razorpay.com/pl_Dhr0LOISfDycbb/view. If you would like to sponsor books, courses or support in any other way, send us an email to raisingamathematician@gmail.com.

Recommendation letters can be written by the teacher using our online student portal (Please make sure you review the tutorial to understand the process). The link to see the tutorial: tinyurl.com/howtoramp

In case your teacher wants to submit a recommendation letter but is not comfortable using the online portal, you can have them do it on paper and then you can scan and upload it on the portal along with your certificates of merit.

An example format is given but the teacher can choose to use any format that will highlight your strengths.



Recommended

LOR



RAM TP-2023
Letter of
Recommendation

(To be filled up by the School Teacher)

Dear Teacher,

The program offered at *Raising A Mathematician Training Program 2023* will be intensive and require active participation from the students. There are certain traits essential to get the maximum out of this program. In this regard, we request you to comment upon the following points.

We thank you very much for your valuable comments.

Student's Name:

School Name & Town/City:

- **Interest in Mathematics beyond school curriculum (Yes/No).**
If yes, share some instance:
- **Perseverance and determination to crack a problem: Good / Very Good / Excellent / Outstanding**
- **Ability to think on a new problem: Good/ Very Good / Excellent / Outstanding**
- **Does he/she think on discovering something on his/her own in Mathematics or solving problems in non-conventional ways? If so, share some instance:**

If you are recommending more than one student, please put them in order of merit and indicate the ranking of this candidate.

Has he/she ever consulted you for doubts in Mathematics or asked you some questions? If so, what was the question that makes you feel that he/she has got very good potential in Mathematics?

Any other comments:

Signature of the teacher:

Email id and Contact no. of the teacher (preferably cell no.):

Seal of the School/Institution (recommended):

GOOD

😊 LUCK



**FROM TEAM
RAM TP 2023**