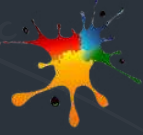


Organised by students of  
Indian Statistical Institute  
Kolkata

**Integration**  
2023



INTEGRATION 2023 PRESENTS

# MATHEMATICS TALENT REWARD PROGRAMME



INFORMATION BROCHURE



ভারতের প্রথম  
মাতৃ ভাষায় পড়াশুনার  
Social Media!



**SciAstra**  
For the love of Science!

APP PARTNER

SOCIALS & TECH PARTNER

# ABOUT MTRP



We, the students and research scholars of Indian Statistical Institute, Kolkata as a part of our annual fest, Integration, organize the Mathematics Talent Reward Programme (MTRP) in January every year, with the vision of increasing the interest and creating awareness about the subject among school students. One of the major aims of this programme is to identify and reward talent in mathematics at a young age.

This programme also offers the students an opportunity to assess themselves relative to their contemporaries throughout the state, and brings an opportunity for them to interact with contemporary mathematicians and scientists. The Mathematics Talent Reward Programme (MTRP) is the perfect platform for all students who are passionate about mathematics. The pivotal purpose of this programme is to take mathematics beyond standard textbooks by inspiring, innovative, and non-routine mathematical thinking among students, and improving their conceptual understanding.

**DON'T MISS THIS OPPORTUNITY!**



## EXAM TIMINGS

- 29 January 2023
- **Junior Category:** 10:30 AM - 01:00 PM
- **Senior Category:** 02:30 PM - 05:00 PM

## REWARDS

- MTRP Winter Camp, a one-of-a-kind opportunity to learn from the best academicians from India and the world.
- Medals and Certificates.
- Exciting gift hampers from our valuable sponsors, and prizes worth ₹20,000.

## ELIGIBILITY

- **Junior Category:** Classes VIII - X
- **Senior Category:** Classes XI and XII

## EXAM PATTERN

- **Section A (Objective):** 10 Questions
- **Section B (Subjective):** 6 Questions
- **Maximum Marks:** 102

*This year, MTRP is being conducted in both online and offline modes. A candidate can appear in any one of them, however offline centres are present only in West Bengal.*

## SYLLABUS

The syllabus for both the exams consists of (but is not restricted to) well known topics in **Number Theory**, **Combinatorics**, **Algebra** and **Geometry**. The MTRP Problem Primer provides thorough training regarding what the students might expect in MTRP, and additionally prepares them for other Olympiad examinations.

## MTRP WINTER CAMP

Based on the performance in the qualifying exam, the top 20 students from each category (Category I and Category II) and each mode (Online and Offline), will be selected for the Winter Camp' 23 to be held at the Indian Statistical Institute, Kolkata in mid-February, 2023 (tentatively). Thus, a total of 80 students will be selected for the camp. The camp serves as a great platform, providing an unparalleled opportunity to budding juniors to meet and interact with the faculty, research scholars and students at ISI, Kolkata. They get to learn their favorite topics over a series of lectures taken by eminent academicians in their field. At the end, each student receives a Certificate of Merit and a gift hamper, awarded by respected dignitaries, for their achievement in such a huge competition.

**For more details and registration, visit**

**<https://www.isical.ac.in/~integration/mtrp/#application>**

**OR**



**REGISTER  
DIRECTLY**



# MTRP PROBLEM PRIMER



Students appearing in MTRP 2023 will get the unique opportunity to purchase a limited edition *MTRP Problem Primer (Divide & Conquer)* published by Integration, Indian Statistical Institute. Handcrafted by a team of RMO and INMO awardees and several students at the Indian Statistical Institute, Kolkata and Bangalore centres, the atypical content of the book will help the talented students in learning mathematics through solving problems in an unorthodox fashion not covered at the high school level.

While designed for students appearing for MTRP as a taste of what is in suit for them in the examination, it is also a great resource as a problem repository for several examinations like Olympiads.

The book is made available at a relatively nominal price for the amount of content provided, as we strongly believe that learning should be accessible to everybody.



## MTRP PROBLEM PRIMER



**BUY NOW**

**₹300/-  
+ SHIPPING**

*Book sales are subject to availability.*

# PAST SPEAKERS



**Dr. Saurabh Ghosh**



**Dr. Ritabrata Munshi**



**Dr. Arnab Chakraborty**



**Dr. Pradipta Bandyopadhyay**



**Dr. Bimal Kumar Roy**



**Dr. Gopal K. Basak**



**Dr. Alok Goswami**



**Dr. Sandip Das**



**Dr. Arijit Bishnu**



# MEET THE TEAM



**Supratik Basu**  
Head, Operations, MTRP 2023



**Jyotishka Ray Choudhury**  
Lead, MTRP Localisation Team



**Snehinh Sen**  
Lead, MTRP Exam Team



**Adityarup Laha**  
Lead, MTRP Technical Team



**Archishman Mukherjee**  
Lead, MTRP Problem Primer Team



**Saikat Sengupta**  
Lead, MTRP Socials Team



**Souvik Roy**  
Lead, Integration Design Team



**Samprit Chakraborty**  
Organising Lead, MTRP Winter Camp



**Ishan Paul**  
Lead, Infrastructure Team

# CONTACT US



## EMAIL US

You can reach out to us the fastest using these email addresses.

- [mtrp.isi.kol@gmail.com](mailto:mtrp.isi.kol@gmail.com)
- [integration.isikol@gmail.com](mailto:integration.isikol@gmail.com)

You can also contact our Team Members for any queries or problems.

Mr. Ishan Paul	<a href="mailto:ishan.paul.kol@gmail.com">ishan.paul.kol@gmail.com</a>
Mr. Saikat Sengupta	<a href="mailto:senguptasaikat97@gmail.com">senguptasaikat97@gmail.com</a>
Mr. Shubhayan Pan	<a href="mailto:shubhayanpan@gmail.com">shubhayanpan@gmail.com</a>

## SOCIALS



[facebook.com/MTRP2023](https://facebook.com/MTRP2023)



[instagram.com/integration\\_isi](https://instagram.com/integration_isi)



# ABOUT INTEGRATION



Integration is the annual techno-cultural-sports fest organised entirely by students and research scholars of Indian Statistical Institute, Kolkata. Conducted from mid-January to mid-February, Integration is a month long fervent storm of events conducted from 3 chapters: Sports, Cultural and Tech.

Albeit a relatively recent addition to fests in Kolkata, Integration has carved out a niche for itself and is renowned all over India as one of the biggest fests in the city.

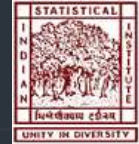
This year, Integration is back after a 3-year break due to COVID-19. With many events both online and offline, we look forward to your participation to make it a grand success.

## LEARN MORE

<http://www.isical.ac.in/~integration/>



# ABOUT INDIAN STATISTICAL INSTITUTE



The brainchild of P. C. Mahalanobis, and established by the Parliament of India by The Indian Statistical Institute Act of 1959, Indian Statistical Institute is one of the premier institutions for the pursuit of research in mathematical and statistical sciences, not just in India, but all over the world.

Headquartered in Kolkata, the Institute provides a variety of degree courses in a multitude of topics ranging from Statistics, Mathematics, Quantitative Economics, etc., and more recently in Cryptology and Security. It also provides diploma courses in Business Analytics, Statistical Methods and Analytics, and more.

The Institute has hosted many of the world's most brilliant minds in the past, including Niels Bohr, R. A. Fisher. In addition, it is a regular destination for the INMOTC, including this year.

## LEARN MORE

<https://www.isical.ac.in/>

