



29th Mathematics Training and Talent Search Programme (MTTS 2021 Online)

An experiment that inspired thousands and changed many lives

Organized by: MTTS TRUST | Funded by: National Board for Higher Mathematics

About MTTS

Mathematics Training and Talent Search Programme (MTTS) is a four-week intensive summer training programme being organized since 1993 in India. Since its inception, the programme has been funded by the National Board for Higher Mathematics, an apex body of the Department of Atomic Energy, Government of India. It is organized under the dynamic leadership of Prof. S. Kumaresan (first recipient of INSA Teachers award in Mathematics) formerly at University of Hyderabad. MTTS is one of the most effective and unparalleled training programmes and it has made significant impact on mathematics teaching and research scene in India.

MTTS during pandemic: Due to the unprecedented situation created by the pandemic, the MTTS Trust has added a new dimension by conducting its programmes online and adding new programmes like online foundation course in mathematics (OFCM), online short courses in mathematics and open mathematics forums since May 2020. In spite of some initial apprehensions, these programmes were held successfully without compromising the methodology and interactive nature of MTTS. The success of this venture is evident from the student's efforts and feedback. The decision of MTTS Trust to organize MTTS 2021 in the online mode is encouraged by this experience.

Aims

- To expose bright young students to the excitement of doing mathematics.
- To promote creative thinking and initiate into art of asking questions.
- To promote problem solving skills.
- To prepare students for higher aspects of mathematics and a career in mathematics.
- To improve the teaching methodology of mathematics in the country.

Academic Programme

There are three levels in this programme: Level O, Level I and Level II. Two **online** camps will be conducted for Level O and one each for Levels I and II.

- There will be three courses at each level which will be conducted over a duration of 3 weeks.
- Each session consists of a lecture of 75 minutes duration, followed by a rigorous discussion session of 45 minutes duration.
- The aim of the instructions is not to give routine lectures but to stimulate the participants to think and discover mathematical results on their own.
- The discussions will be facilitated by MTTS faculty and mentors designated for the same.

The faculty for this programme will be active mathematicians with strong commitment to teaching and are chosen from various leading institutions in the country. The mentors are students and faculty who understand the spirit of the MTTS teaching methodology.

Eligibility & Selection

- **Level O:** Third/fourth semester undergraduate students with mathematics as one of the main/major subjects.
- **Level I:** Fifth/sixth semester undergraduate students with mathematics as one of the main/major subjects.
- **Level II:** First/second semester postgraduate students with mathematics as one of the main/major subjects.

The selection will be purely on merit, based on consistently good academic record and the recommendation letter from a mathematics professor closely acquainted with the candidate.

E-certificates will be issued to the participants upon successfully completing the programme.

How to apply?

Students can prepare their applications online. More details about the programme, online application process etc., are available at the programme webpage

🔗 www.mtts.org.in/programme-mtts/mtts2021

Please go through this webpage and the MTTS-FAQ at the website before applying or sending any queries.

The online application begins on **March 15, 2021**, and the last date for applying is **April 15, 2021**. Teachers should submit the recommendations for their students online. Hard copies of the application form or recommendation are **NOT** required.

The list of selected candidates will be posted on the MTTS website by **May 7, 2021**. Only selected candidates will be informed of their selection by email.

The camps will be conducted during June-July. Exact dates and schedule will be announced in the MTTS website later.

Organizers

- **MTTS Programme Director** : Prof. S. Kumaresan
- **President, MTTS Trust** : Prof. G Santhanam (IIT Kanpur)
- **MTTS Trust members** :
<https://mtts.org.in/mtts-trust/>

Contact: ✉ info.mttscamps@gmail.com

MTTS official website : 🔗 www.mtts.org.in

MTTS Trust

MTTS TRUST is a non-profit educational trust. The primary object of the trust is to organize all activities under MTTS umbrella and any other training camps as deemed necessary or important for the country to keep its eminence in higher mathematics. If you wish to contribute to MTTS in any way (financial or otherwise), please get in touch with us. For more details on the MTTS Trust, visit www.mtts.org.in/mtts-trust. Those who wish to organize mini-MTTS or PTMT programme can visit www.mtts.org.in/organize and apply online. Proposals which assure partial financial support may be given preference.