

# M. T. & T. S. 2016

## 24TH MATHEMATICS TRAINING AND TALENT SEARCH PROGRAMME

(Funded by: National Board for Higher Mathematics)

Webpage: <http://www.mtts.org.in/>

### AIM

The aim of the programme is to expose bright young students to the excitement of doing mathematics, to promote independent mathematical thinking and to prepare them for higher aspects of mathematics.

### ACADEMIC PROGRAMMES

The programme will be at three levels: Level O, Level I and Level II. In Level O, there will be courses in Linear Algebra, Analysis and Number Theory/Combinatorics. In Levels I and II, there will be courses on Algebra, Analysis, Topology and Linear Algebra. There will be seminars by students in all Levels and *group discussions*.

The faculty for this programme will be active mathematicians with a commitment to teaching and from various leading institutions of the country. The aim of the instructions is not to give routine lectures and presentation of theorem-proofs but to stimulate the participants to think and discover mathematical results on their own.

### ELIGIBILITY

- **Level O:** Second year undergraduate students with Mathematics as one of their subjects.
- **Level I:** Final year undergraduate students with Mathematics as one of their subjects.
- **Level II:** First year postgraduate students with Mathematics as one of their subjects.

### VENUES & DURATION

MTTS 2016 will be held at three different places:

- Indian Institute of Technology Madras, Chennai,  
**Duration:** May 23 – June 18, 2016.
- Shiv Nadar University, Greater Noida, Uttar Pradesh,  
**Duration:** May 30–June 25, 2016.
- Regional Institute of Education, Mysore,  
**Duration:** May 23– June 18, 2016.

**Indian Institute of Technology Madras will be the main camp.**

### HOW TO APPLY?

Students can apply online by visiting the website

**<http://accounts.mtts.org.in/>**

The complete details of “how to apply online” is available on the website. Please go through it and the MTTS-FAQ at the website before applying or sending any queries. Note that **only online** applications will be accepted.

The online application begins from **January 04, 2016**. and the last date for applying is **February 20, 2016**.

### PROGRAMME DIRECTOR

**Professor S. Kumaresan**

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### SELECTION

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.

Only selected candidates will be informed of their selection (by email) by the 2nd week of March 2016. The list of selected candidates will be posted on the MTTS website in the 2nd week of March 2016.

Candidates selected for the programme will be paid sleeper class return train fare by the shortest route and will be provided free board and lodging for the duration of the course.

With over 20 years of experience, MTTS team has come up with two new initiatives to serve the mathematics community better, namely, *Mini-MTTS* and *Pedagogical Training for Mathematics Teachers (PTMT)*.

Those who wish to organize mini-MTTS or PTMT programme can visit the mtts website and apply online. Proposals which assure some partial financial support may be given preference.