



Indian Institute of Space Science and Technology

(Declared as Deemed to be University under Section 3 of the UGC Act, 1956)

Department of Space, Govt. of India



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DEPARTMENT OF MATHEMATICS YOUNG TALENT NURTURE-2025 (9TH JUNE TO 20TH JUNE 2025)

AIM OF THE PROGRAM:

Since 2013, the Department of Mathematics at the Indian Institute of Space Science and Technology has spearheaded its premier initiative, "**Young Talent Nurture**" (YTN). YTN aims to cultivate budding mathematical minds and enhance their logical reasoning, analytical capabilities, and problem-solving prowess. It also aims to prepare participants to tackle significant challenges in advanced mathematics and its various application fields. The duration of the program is two weeks and is scheduled from **9th June to 20th June 2025**.

TOPICS TO BE COVERED:

- ✓ Abstract Algebra
- ✓ Complex Analysis
- ✓ Introduction to Machine Learning
- ✓ Analysis and Metric Spaces
- ✓ Differential Equations

ELIGIBILITY FOR PARTICIPATION:

Students who have completed **3rd year/6th semester** of B.Sc./Integrated M.Sc. in Mathematics or any B.Sc/B.Tech./Integrated BS-MS/ Integrated M.Sc. with sufficient Mathematics courses.

HOW TO APPLY:

Students are requested to apply online through the link:
<https://www.iist.ac.in/ytn>

The online registration begins on 21st April, 2025. Please note that filling up contact details (preferably email) of a Mathematics Professor with whom the applicant is closely acquainted is mandatory.

SELECTION OF CANDIDATES:

- The selection will be purely on merit, based on academic record and the letter of recommendation.
- Only selected candidates will be intimated.
- Selected candidates will be provided free boarding and lodging for the entire duration of the programme.

IMPORTANT DATES:

Last date for receiving online application : **5th May, 2025.**
Last date for receiving the recommendation letter : **6th May, 2025.**
Date of publishing the list of selected candidates : **9th May, 2025.**

ABOUT THE DEPARTMENT:

The Department of Mathematics at IIST offers Ph.D. programs and an M.Tech program in Machine Learning and Computing. Additionally, the department provides mathematics courses for other UG and PG programs. The department has eleven faculty members working in the areas of Mathematical Control Theory, Suspension Rheology, Partial Differential Equations, Differential Geometry and its Applications, Applied Probability and Stochastic Processes, Numerical Solutions to Partial Differential Equations, Commutative Algebra, Machine Learning Algorithms and Application and Control and Inverse Problems.

CONTACT DETAILS

Coordinators: Dr. K. Sakthivel and Dr. E. Natarajan

Email: maths.ytn@iist.ac.in

Address: The Coordinators, Young Talent Nurture,
Department of Mathematics,
Indian Institute of Space Science and Technology,
Valiamala P.O., Thiruvananthapuram - 695 547.

Phone: 0471-2568544 **Fax:** 0471-2568462



WEBSITE

www.iist.ac.in/ytn