



TALENT NURTURE PROGRAMME-2018

OBJECTIVE OF THE PROGRAMME

The Kerala School of Mathematics is launching a Talent Nurture Programme with the objective of identifying and nurturing talented students to take up Mathematics as a career with passion, commitment, and having the will to pursue it relentlessly working hard. The programme designed by the KSoM, known as the **KSoM Talent Nurture Programme (KSoMTNP)**, will be admitting 40 students initially from among students **who have joined B.Sc./integrated M.Sc. in Mathematics in the academic year 2017-18 and are currently in the second year of their programme.** The selected students will be nurtured by well-known Mathematicians continuously for a period of 4 years through programmes during the vacations. The contact programme will be during the Onam vacation (5 Days), Christmas vacation (5 Days) and the summer vacation (4 weeks) for the four years. The webpage of the programme can be found at <http://www.ksom.res.in/tnp>.

TOPICS TO BE COVERED OVER THE FOUR YEARS

❖ Foundations ❖ Linear Algebra ❖ Abstract Algebra ❖ Real Analysis ❖ Complex Analysis ❖ Measure and Integration ❖ Differential Geometry ❖ Topology ❖ Functional Analysis ❖ Discrete Mathematics ❖ Number Theory ❖ Algebraic Topology ❖ Differential Equations (ODE&PDE) ❖ Some Applications.

ELIGIBILITY FOR ADMISSION

Students who have joined **B.Sc./Integrated M.Sc. or equivalent programmes in MATHEMATICS during the Academic year 2017-18 (currently in the second year of the programme)** are eligible to apply. We are looking forward **for highly motivated and talented students of Mathematics, willing to pursue Post Graduation in Mathematics, committed to work hard and be with this programme for all the four years.** Only such students need to apply.

HOW TO APPLY

Students should apply online at the following web address

www.ksom.res.in/tnp

The online application system **opens on 30th June, 2018.** The **last date for submitting applications is 25th July, 2018.** Please note that the applicants are required to fill in the details including the e-mail address of two Mathematics teachers who are acquainted with the applicant closely. This is mandatory.

SELECTION OF CANDIDATES

- The selection is purely on merit, based on the Academic record and the letters of recommendation from the teachers with whom the applicant is closely acquainted.
- Only selected candidates will be intimated about their selection on 1st August 2018, through e-mail.
- Candidates selected for the programme will be provided with free boarding and lodging for the duration of the programme.

STEERING COMMITTEE FOR THE KSoMTNP

Chairman

Dr M Manickam, Professor and Director, KSoM

Members

Dr A K Vijayarajan, Associate Professor, KSoM

Dr A J Parameswaran, Professor, TIFR, Mumbai

Dr K S S Moosath, Professor, IIST, Thiruvananthapuram

Dr P K Sanjay, Assistant Professor, NIT, Calicut

Dr K Sandeep, Professor, TIFR-CAM, Bangalore

Dr K N Raghavan, Professor, IMSc, Chennai

Dr A J Jayanthan, Professor, GOA University

Dr K Vishnu Namboothiri, Assistant Professor, Department of Collegiate Education, Kerala

Dr Vellat Krishna Kumar, Visiting Professor, KSoM

IMPORTANT DATES

- **Last date for submitting the online application: 25th July, 2018**
- **Last date for submitting the hard copy: 28th July, 2018**
- **Last date for receiving the recommendations: 28th July, 2018**
- **List of selected candidates will be published on: 1st August, 2018**

ABOUT KSoM

Kerala School of Mathematics (KSoM), an institution meant for advanced learning and research in Mathematics, is a joint venture of Kerala State Council for Science, Technology and Environment (KSCSTE), Government of Kerala and Department of Atomic Energy (DAE), Government of India. It is built in the traditional Kerala style architecture and is located in a picturesque setting surrounded by serene hillocks and lavish greenery. It is at a distance of about 15 km. from the seaside city Kozhikode in Malabar region of Kerala, India. Research activities and organization of workshops in foundational and advanced areas of Mathematics are the central activities of the School. Several Mathematicians visit and work here. The current areas of research interest are Number Theory and Functional Analysis. The school hopes for more mathematicians to join as permanent faculty. A pre Ph. D. program is on the cards.

CONTACT DETAILS

The Programme Coordinator
KSoMTNP

Kerala School of Mathematics
Kunnamangalam PO
Kozhikode, Kerala - 673571

Tel. No. 0495 2809005,, Fax: 0495 - 2809010

Email: tnp@ksom.res.in

Website: www.ksom.res.in/tnp