



## Azim Premji University (APU) and Ramanujan Mathematical Society (RMS)

### Presents

#### Joint Programme in Mathematics Teachers' Training

The aim of the programme is to hold workshops at selected schools in different cities across India. The main purpose of these workshops is to create viable platforms where teachers (and through them children) from schools across the country can share their original observations and discoveries and where beautiful results in school level mathematics can be shared, written about and discussed. Each workshop will consist of 30 high school teachers, who will participate in two workshops in a year in a city.

The format of each of these workshops would be two day sessions for teachers of classes 9-12. APU and RMS faculty will share the lecture hours almost equally. The topics of lectures of RMS faculty will be carefully selected to suit the teachers' needs and interests. The APU faculty will base their presentation on the high school mathematics resource *At Right Angles* a joint production of Azim Premji University and Community Mathematics Centre. *AT RIGHT ANGLES* is addressed to mathematics teachers, teacher educators and students connected with the subject. It is a magazine where they can read about matters not in the regular school mathematics curriculum, where they can solve problems, where they can interact with one another, and where they can contribute.

The following may be addressed by the APU faculty: discussing articles involving some aspects of mathematics: a new look at some topic; an interesting problem; a connection between topics or across subjects; a historical perspective, an interesting classroom experience; a discussion on why students find certain topics

difficult; an applet written to illustrate a theme in mathematics; an application of mathematics in science, medicine or engineering; etc.

The RMS faculty may also give in a workshop a special lecture on a topic of his/her choice. In the aim will be to lecture on “culture of mathematics” through specific results avoiding philosophical aspects.

APU will set up a web portal on which the participant teachers and the faculty of the workshops will interact.

Teachers are also facilitators of interesting and productive classroom experiences. The programme would like them to develop the confidence to be able to share these insights and experiences. In the larger context, we expect this initiative to become a means for networking among Indian mathematics teachers. We propose to keep the group actively involved in online discussion between the two workshops.

So far the workshops have been planned in Bangalore, Delhi, Kolkata, Kochi, Madras and Pune for which the following RMS faculty:

1. Prof. Ambat Vijayakumar, Department of Mathematics, Cochin University of Science and Technology, Kochi.  
Email: [vambat@gmail.com](mailto:vambat@gmail.com)
2. Prof. S. A. Katre, Department of Mathematics, University of Pune, Pune.  
Email: [sakatre@gmail.com](mailto:sakatre@gmail.com)
3. Prof. Geetha Venkataraman, Ambedkar University, Delhi.  
Email: [geevenkat@gmail.com](mailto:geevenkat@gmail.com)
4. Mr. Sabyasachi Mitra, Calcutta International School, Kolkata  
email: [sabyasachi.mitra@gmail.com](mailto:sabyasachi.mitra@gmail.com)
5. Prof. Kaushal Verma, Department of Mathematics, IISc, Bangalore.  
Email: [kverma@math.iisc.ernet.in](mailto:kverma@math.iisc.ernet.in)
6. Professor Arindama Singh, Department of Mathematics, IIT Madras, Madras.  
Email: [asingh@iitm.ac.in](mailto:asingh@iitm.ac.in)

Details of the specific workshops will be released in the city newspapers and on this portal.