



**Azim Premji University,
Homi Bhabha Centre for Science Education,
and Ramanujan Mathematical Society**

Present

A 2-Day Orientation Programme for Mathematics Teachers of Standards 9 to 12

Dates: 25th to 26th July, 2017

Venue: Homi Bhabha Centre for Science Education, TIFR, Mumbai

Time: 9:30 a.m. to 4 p.m.

Lunch and coffee will be provided to all participants

Total spots available: 50

THERE IS NO REGISTRATION FEE

Last Date to apply: 18th July 2017

PROGRAMME DESCRIPTION

We are happy to introduce to you the above joint initiative of Azim Premji University (APU), the Homi Bhabha Centre for Science Education (HBCSE) and the Ramanujan Mathematical Society (RMS). Faculty from these institutions will conduct the two-day program. The purpose of the workshop is to create viable platforms where teachers from schools across the country can share their original observations and discoveries around school level mathematics and these can be discussed and written about.

The APU sessions will be based on a high school mathematics resource magazine called *At Right Angles (AtRiA)*, a joint production of Azim Premji University and Community Mathematics Centre. The magazine is addressed to mathematics teachers, teacher educators and students. The readers of *AtRiA* learn subject matter different from the regular school curriculum, solve problems, interact with one another, and also contribute their own writing. The HBCSE sessions will focus on factors that contribute to successful problem solving, especially on the use of heuristics. The RMS sessions would be based on topics, which will be carefully selected to suit the teachers' needs and interests.

Teachers are also facilitators of interesting and productive classroom experiences. We would like them to develop the confidence to be able to share their insights and experiences. In the larger context, we expect this initiative to become a means for networking among Indian mathematics teachers.

To register for the workshop please contact the coordinator at HBCSE.

Name: *Shweta Shripad Naik*

Email: shweta@hbcse.tifr.res.in; shwetnaik@gmail.com;

Phone: 022-25072106

Please note that all teachers are eligible to participate irrespective of the school board.

PROFILE OF RESOURCE PERSONS

Prof. K. Subramaniam is the Director of HBCSE and professor in Mathematics Education. He will be representing Ramanujan Mathematical Society in this orientation programme. His main work for the last decade and a half has been research and development on improving the learning and teaching of school mathematics. He has studied and written on how children can be helped to make the transition from arithmetic to algebra, how they can be supported in learning fractions and multiplicative reasoning, and how out-of-school mathematical knowledge can be related to school learning. He has worked on developing models for in-service teacher professional development and contributed to formulating education policy in NCF-2005, the curriculum and textbook committees for the state of Maharashtra (since 2011), and as a member of National Council of Teacher Education.

He may be contacted at subra@hbcse.tifr.res.in

Dr. Prithwijit De is a faculty member in mathematics at HBCSE since 2010. He has acquired his PhD in Statistics from National University of Ireland. He is involved in the Mathematical Olympiad Programme in India. He has a keen interest in mathematical problem solving, designing problems and writing popular articles on mathematics.

He may be contacted at de.prithwijit@gmail.com

Ms. Sneha Titus, a teacher of mathematics for the last twenty years, resigned from her full time teaching job in order to pursue her career goal of inculcating in students of all ages, a love of learning the logic and relevance of mathematics. She is an Asst. Professor at Azim Premji University and the Associate Editor of 'At Right Angles'. Sneha also mentors mathematics teachers from rural and city schools. She uses small teaching modules incorporating current technology, relevant resources from the media as well as games, puzzles and stories which will equip and motivate both teachers and students.

She may be contacted at sneha.titus@azimpremjifoundation.org

For more details about each of the collaborative institute, visit the links given below.

Azim Premji Foundations

<http://www.azimpremjifoundation.org>

Homi Bhabha Centre for Science Education

<http://www.hbcse.tifr.res.in>

<http://mathedu.hbcse.tifr.res.in>

Ramanujan Mathematical Society

<http://www.ramanujanmathsociety.org>