

# 7th Online Vedic Mathematics Conference

June 12-13, 2021 11:00 AM - 3:00 PM GMT

Featuring: Latest Research, Reports, Events, Lilavati Poetry Competition

From around the globe, enthusiastic students and teachers joined in with the two-day 7<sup>th</sup> Online International Vedic Mathematics Conference during the weekend 12<sup>th</sup> – 13<sup>th</sup> June. The conference was organised and run by the Institute for the Advancement of Vedic Mathematics (IAVM), a UK based charity operating across all continents. Over 300 enthusiasts attended.

The first day consisted of presentations of research papers demonstrating the latest developments and insights in Vedic Mathematics, together with reports from various experts on working with students during the pandemic restrictions. One highlight came from Niveditha and Nanditha (aged 11 and 15) who have learnt Vedic Maths from their father Devaraj in Kottayam, Kerala. During lockdown, these intrepid girls realised that many kids had time on their hands at home and so they have been conducting online workshops, called Maths Made Easy, to hundreds of children right across India. Local exam boards have praised their work and this helps increase grass-roots interest so that Vedic Maths can become part of the school curriculum in India. Their enthusiasm is totally infectious!

Another top story was a report from Ike Prudente in the Philippines where, due to his unceasing efforts, many thousands of teachers and students are getting involved with learning the wonderful methods and quick solutions afforded by this inspirational system from India.

Day two of the conference was devoted to providing free workshops for teachers and students. This involved three breakout rooms on Zoom, each receiving four workshops given by experienced teachers and trainers. These included Vedic methods found in Counting Shapes, Exploring Geometric Designs, Kolam Designs, Digital Applications of VM, Fun Maths with Lego, Strategies in Vedic Maths, and Puzzles from Bhaskhara's Lilavati.

A new feature for the conference was the Lilavati Poetry Competition, organised by Gowri Ramachandran. Participants were previously invited to compose a mathematical poem or riddle. A total of 61 entries were received in four categories under age groups 6 -10, 11-13, 14 - 16 and open category. These were judged and winners were announced at the conference. The winners in each category are as follows.

**Category – 8-10**

Name	School / location	Ranking
Tanav Patkar	Natick, MA - USA	First Place
Krishav Thakur	Tokyo Bay International School, Japan	Second Place
Adhya Ghatole	Tokyo Bay International School, Japan	Third Place

**Category – 11-14**

Name	School / location	Ranking
Arjun Patro	Holliston, MA - USA	First Place
Sanjana Roy	Vaels International School, India	Second Place
Sabarish K	Tokyo Bay International School, Japan	Third Place

**Category – 14 - 16**

Name	School / location	Ranking
Mrunmayee Yawale	India	First Place
Shriya Balaji	Netherlands	Second Place
Aadhya Purohit	Vibgyor high school, India	Third Place

**Category – Open**

Name	School / location	Ranking
Sharvari Oak	India	First Place
Chard Aye Alova	Philippines	Second Place
Colonel Ashok Naik	India	Third Place

Overall, this was a HAVE FUN WITH MATHS event, opening hearts and minds to the beauty and utility of such an important discipline.



Niveditha and Nanditha

**Method of Differences**


Show that,  $\sum_{r=1}^n \frac{1}{r(r+1)} = \frac{n}{n+1}$

$$\frac{1}{r(r+1)} = \frac{1}{r} - \frac{1}{r+1}$$


$$\frac{1}{1} - \frac{1}{2} + \frac{1}{2} - \frac{1}{3} + \frac{1}{3} - \frac{1}{4} + \dots + \frac{1}{n} - \frac{1}{n+1}$$

$$= 1 - \frac{1}{n+1} = \frac{n+1}{n+1} - \frac{1}{n+1} = \frac{n}{n+1}$$

Research Explaining the Meaning of VM Sutras




Virgilio Y. Prudente, Sr.  
*Creator of MATH-Inic*



**VM Initiatives in the Philippines**

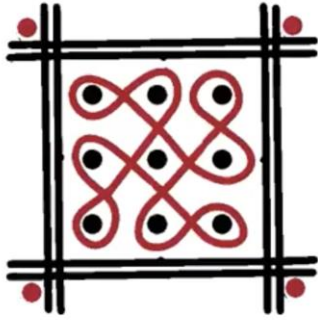
Report to the 7<sup>th</sup> VM Online Conference

June 12, 2021



Veronica S. Prudente  
*Training Director of MATH-Inic*

Vedic Maths in the Philippines



# KOLAMS

Ancient Geometrical Patterns