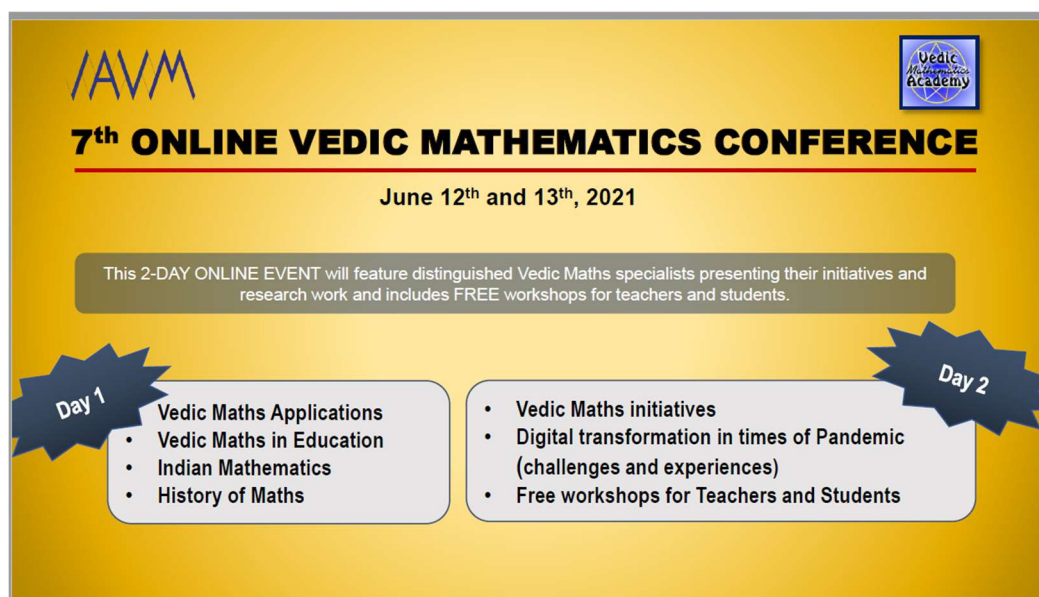# 7th Online Vedic Mathematics Conference
## June 12th and 13th 2021



From around the globe, enthusiastic students and teachers joined in with the two-day 7th Online International Vedic Mathematics Conference during the weekend 12th – 13th 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. These were judged and winners were announced at the conference.

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

# 7th Online Vedic Mathematics Conference
June 12th and 13th 2021

# Schedule Day 1

# June 12, 2021

Time: 11:00 AM – 3:00 PM GMT 4:30 PM – 8:30 PM IST

| Welcome | Swati Dave (USA) | Welcome and logistics |
|---|---|---|
| Report | James Glover (UK) | Address from the Chair |
| Research | Muthuselvi (India) | Flexible Flag Division |
| | Chard Alova (Philippines) | General Case Integer Subtraction |
| VM Experience | Niveditha and Nanditha (India) | A Locked down Success Story |
| | Santosh Hiremath (KSV, India) | VM Learning Experience |

| Break |
|---|

| Research | Akash Patel (India) | A Novel Way to find the Square Root of Perfect Square Numbers |
|---|---|---|
| | Shashikant Chitnis, Ravi Asrani (India) | A new Mathematical Constant Discovered |
| VM Experience | Ravi Asrani (India) | Personal Story |
| | Sadashiva Yalla (USA) | Vedic Mathematics' Applications and Initiatives in a Post-Covid-19 Era |
| Research | Angela P. (Italy) | Vedic Loom |
| | Dandapani Gautam (Nepal) | Vedic Mathematics: Sources and Reality |
| | James Glover (UK) | Only the Last Digits |
| VM Initiatives | Ike Prudente (Philippines) | VM Initiative in Philippines |
| Closing | Swati Dave (USA) | 2020 and 2021 |

# 7th Online Vedic Mathematics Conference

June 12th and 13th 2021

# Schedule Day 2

# June 13, 2021

Time: 11:00 AM – 3:00 PM GMT

| Teachers | | | | |
|---|---|---|---|---|
| | James Glover (UK) | Strategies in Mathematics | 11:00 AM | 11:45 AM |
| | Prajakti Gokhale (India) | Puzzles from "Lilavati" | 11:45 PM | 12:30 PM |
| | Marianne Fletcher (SA) | Exploring Geometric Designs and Shapes | 12:30 PM | 1:15 PM |
| | Swati Dave (USA) | Activity Based Vedic Mathematics Teaching | 1:15 PM | 2:00 PM |

| Students (G1-G5) | | | | |
|---|---|---|---|---|
| | Niveditha and Nanditha (India) | Vedic Mathematics Story and Introduction | 11:00 AM | 11:45 AM |
| | Gowri R. (Philippines) | Kolam: A ritualistic math artform | 11:45 PM | 12:30 PM |
| | Ramya N. (Netherlands) | Fun Mathematics with Lego | 12:30 PM | 1:15 PM |
| | Marianne Fletcher (SA) | Exploring Geometric Designs and Shapes | 1:15 PM | 2:00 PM |

| Students (G6-G10) | | | | |
|---|---|---|---|---|
| | Marianne | Exploring Geometric Designs and Shapes | 11:00 PM | 11:45 PM |
| | James/Swati | Counting Shapes | 11:45 PM | 12:30 PM |
| | Prajakti Gokhale (India) | Puzzles from "Lilavati" | 12:30 PM | 1:15 PM |
| | Raghavendra P. | Digital Applications of Vedic Mathematics | 1:15 PM | 2:00 PM |

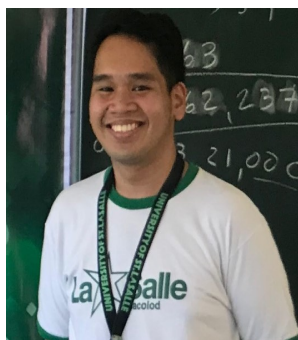| Closing Session | | | | |
|---|---|---|---|---|
| | | Announcement of Winners for the "Lilavati" Competition (Gowri) | 2:00 PM | 2:30 PM |
| | | Poetry Reading by the winners (Gowri) | 2:30 PM | 2:45 PM |
| | | Closing Remarks (James) | 2:45 PM | 3:00 PM |

# Speaker Details

| | |
|---|---|
| | **Muthuselvi** holds degree in B. Sc Electronics. She is a certified Vedic Math trainer from E-Gurukul.com under the guidance of Prof. Kenneth Williams<br><br>**Her Vedic Math experience includes:**<br><br>- Teaching Mathematics through home tuition for grades 6 to 12 since June 2000.<br>- Working as an online Math and Vedic Math tutor.<br>- Conducting Vedic Math workshops for teachers.<br>- Delivered a lecture about Vedic Mathematics in MGR University and Kandasamy Naidu College, Chennai.<br>- Currently she is engaged in preparing Vedic Math books for kids starting from grade 1. |
| | **Chard Aye Alova** is currently a Maths Faculty in the College of Arts in Sciences of the University of St. La Salle - Bacolod, Philippines.<br><br>He has completed courses offered by the Vedic Maths Academy, thru MATH-Inic Philippines, including the Vedic Mathematics Teacher Training Course and the Advanced Diploma in Vedic Mathematics.<br><br>He is very active in the advancement of Vedic Maths in his region in the Philippines, sharing the wisdom through several seminars and webinars.<br><br>He is also Vedic Math researcher and continues to have his part to share and promote Vedic Math techniques to everyone! |
| | **Niveditha** is 11 years old and has completed grade 6 from Kendriya Vidyalaya, Kottayam, Kerala, India<br>She has won prizes for elocution and recitation competitions, and in State and District level chess championships.<br>She like to do painting, play violin, and do JS Drawing in my free time. |

## Speaker Details

| | |
|---|---|
| | **Nanditha** is 15 years old and has completed grade 10 from Kendriya Vidyalaya, Kottayam, Kerala, India.<br>She has won 1st place in regional level science project in state Children's Science Congress and was selected for national level science congress. She has also won 1st place in Children's Biodiversity congress in district level and presented the paper in the state level.<br>Besides this she has won numerous prizes for elocution, debate, recitation, essay writing, and story writing competitions. She likes to read books, do coding and painting during free time. |
| | Santosh Hiremath is a very passionate and creative teacher. He is from a remote village in Belgavi district, Karnataka. He has been working in KSV from past ten years. Earlier he joined as a warden but as he is always passionate to teach later joined the academic department as teacher. The uniqueness of him is his adaptive nature. He always comes out with solutions for his students which helps them gain more confidence.<br>Santosh holds a post graduate degree in Education and Art, and an undergrad degree in Education |
| | Akash M Patel is from Gujarat, India. He is a passionate Maths Teacher, who is teaching Maths to students of class 6 to 10th grade.<br>He holds an Engineering degree in Electronics and Communication.<br>He is a Certified as Vedic Maths teacher from IIVA(Delhi, India) |

## Speaker Details

| | |
|---|---|
|  | Mr. Shashikant Chitnis is a retired teacher with more than 40 years of teaching experience. He has taught Physics and Mathematics, to high school students, with great passion. For past 10 years, he has been learning as well as teaching Vedic mathematics as a trainer for Atal Bihari University, Bhopal at their Indore centre |
|  | Ravi Asrani is a qualified and experienced Maths teacher who has been studying, researching and teaching Mathematics since 1998. He is working as a visiting faculty for operations research at IMS, Indore. He is a founder of Omni Academy for Vedic Maths at Indore. He has published several articles & research papers and has been invited to many colleges of Indore to give seminars and courses. He is a trainer and faculty for Certificate and Diploma courses of Vedic Maths for Atal Bhiari Bajpayi University Indore. He is an author of Blissfiul Mathematics and his teaching techniques to develop an interest of Mathematics in the student are appreciated by DESM, CBSE, NCERT, IMO of India<br>He is basically an Electronics Engineer, and has completed M.Sc, B.Ed from DAVV Indore. He is presently pursuing Ph.D in vedic Maths from Florida U.S.A. |
|  | Sadashiva is currently a first-year student pursuing a Bachelor of Science in Computer Science as a college student in the US. He is a certified Vedic Mathematics Teacher from Pasyanthi Academy who passed with distinction on, July 2020 at the age of 18. He is also certified in Advanced Vedic Mathematics and Calculus from Pasyanthi Academy. |

## Speaker Details

| | |
|---|---|
|  | Angela is a Certified Teacher and Vedic Maths Tutor. She is a Psychologist, Psychotherapist, Psychodramatist, Educational Consultant and Tutor Consultant for Home-Schooling.<br><br>She is a Lifelong Learner |
|  | Dandapani Gautam is a Ph.D. scholar in Vedic Mathematics from Nepal Sanskrit University along with involvement as PGT-1 at SOS Hermann Gmeiner School Itahari, Sunsari,Nepal.<br>He holds a double Academic Degree of M.Ed. in Mathematics and MPA in Management with publications of over a dozen of research-based pedagogical articles and two peer-reviewed articles in the Journal of Management.<br>Currently, he is involved in teaching several Mathematics papers online amid a life-threatening ongoing pandemic i.e. Covid 19. |
|  | James is a co-founder and the Chair, Institute for the Advancement of Vedic Mathematics (IAVM).<br>He has researched and taught VM for over 35 years and has led international teacher training programmes, public courses, and lectures on the subject. He is Academic Director for the IAVM and has col-led eight international conferences. He has written five books and has published numerous papers and articles promoting the Vedic system. He has a long experience of curriculum design for Maths in schools. |

## Speaker Details



Virgilio "Ike" Y. Prudente created MATH-Inic in 2011 with the goal of reaching 25,000 students by 2017, his 65th birthday. Aside from being a venue to share his passion for numbers, MATH-Inic is also his way of helping establish a generation of math lovers, and thereby strengthening the country's math and engineering foundation

# Lilavati Competition Winners

**Category: 8 – 10 Years**

| 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 Years**

| 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 Years**

| 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 |