

About CBIT:

Chaitanya Bharathi Institute of Technology, established in the Year 1979, esteemed as the Premier Engineering Institute in the State of Telangana, was promoted by a group of visionaries from various professions of engineering, Medical, Legal and Management, with an Objective to facilitate the best Engineering and Management education to the students and contribute towards meeting the need of skilled and technically conversant engineers and Management Professionals, for the country that embarked on an economic growth plan.

The Institute, committed to education and innovation, started with three-Degree Courses in Engineering for 200 Students and over the 40 Years, has emerged as a dream destination for Students seeking to excel in Engineering and Management Education, Teaching Community to progress with a rewarding Career and Corporate to source well-rounded Engineers.

Stringent Academic Standards, Industry compliant Teaching Methodology, Research Projects from Private and Public Sector Industries in Engineering and Management and consultancy Practice, enabled the Institute to establish its identity in the Technical Education and is Ranked No. 1 amongst the Private Engineering Colleges in both Telugu Speaking States.

In its Four Decades of existence, all the Stake Holders of the Institute relentlessly endeavored to position CBIT as an Institution that is a leader and an innovator in the ecosystem of Engineering Higher Education. With the students being the singular objective, the Institute has established excellent Infrastructure such as State-of – the Art Laboratories, spacious library with printed and digital collection of books and Journals, Sports, Hostel, and other Infrastructure for extra and Co-Curricular engagements with a total built-up Area of about 57,714 Sq. Mts., in the serene Ambience of 50 Acres

to inspire, encourage and pursue Academics. In its relentless strive for Academic excellence, CBIT has scaled great heights both Nationally and Internationally in Industry and Global Universities.

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The sixteen formulae of Vedic Mathematics

Sutra	Translation
एकाधिकेन पूर्वेन	By one more than the one before.
निखिलं नवतश्चरमं दशतः	All from 9 and the last from 10.
छर्ध्वतिर्यग्भ्याम्	Vertically and Cross-wise
परावर्त्य योजयेत्	Transpose and Apply
शून्यं साम्यसमुच्चये	If the Samuccaya is the Same it is Zero
आनुरूप्ये शून्यं अन्यत्	If One is in Ratio the Other is Zero
संकलन व्यवकलनाभ्यां	By Addition and by Subtraction
पूरणापूरणाभ्यां	By the Completion or Non-Completion
चलनकलनाभ्याम्	Differential Calculus
यावदूनं	By the Deficiency
व्यष्टिसमष्टिः	Specific and General
शेषाण्यडेन चरमेण	The Remainders by the Last Digit
सोपान्त्यदयमन्त्यं	The Ultimate and Twice the Penultimate
एकन्यूनेन पूर्वेन	By One Less than the One Before
गुणितसमुच्चयः	The Product of the Sum
गुणकसमुच्चयः	All the Multipliers

4th International Conference on Vedic Mathematics

(सूनृत- सूासुथ)

ICVM-2019
29th-31st August, 2019

Organized by



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Institute for the Advancement of Vedic Mathematics
(IAVM)



॥ यथा शिखा मयूराणां, नागानां मणयो यथा ।
तद् वद् वेदाङ्गशास्त्राणां गणितं मूर्धनि स्थितम् ॥

Like the crest of the peacock,
like the gem on the head of a snake,
so is **Mathematics** at the head of all **Knowledge**



**H. H. Bharti
Krishna
Tirtha,
Founder-
Vedic Maths**

About ICVM:

The teaching and learning of Vedic Mathematics, as per Shankaracharya Sri Bharati Krishna Tirtha, is based on his seminal work featuring mathematics based on sixteen sutras. Presently, grass-roots interest in Vedic Mathematics in India and elsewhere is flourishing and the conference aims to bring together all the stakeholders, including academic researchers and institutions from different parts of the globe. It will enable opportunities for further networking and development. There are growing numbers of schools in India that wish to use Vedic Maths in their curriculum. This idea has also been expressed by the Ministry of Human resource Development (MHRD). Aim of the conference is to infuse confidence in mathematic teachers about our ancient system of mathematics.

To promote Vedic Mathematics awareness at grass-root level, the Institute for the Advancement of Vedic Mathematics (IAVM) will be hosting the “4th International conference on Vedic Mathematics” in association with Chaitanya Bharati Institute of Technology, Hyderabad, during 29th – 31st August, 2019.

Conference Scope:

The 4th International conference will feature the following themes:

1. New Applications of VM techniques
2. Ancient and Classical Indian Mathematics
3. Vedic Mathematics in School Education
4. Application of Vedic Mathematics to Digital Signal Processors and computations

Pre-Conference Tutorial (उदित- ँदित)

(Saturday, 10.08.2109, 10AM-4PM)
Open to all; Venue: Seminar Hall, CBIT
No registration fee but pre-registration is essential
Awareness about Vedic mathematics
Inspiration from experts in the field

Program schedule:

|| **Dr. K. Ramasubramanian, Professor, IIT Bombay,**
will deliver keynote address ||

Day	Program	Who should attend	Registration Fee
Day 1 विदित दित	Presentation of papers by VM scholars mathematicians and VM practitioners	Academicians, mathematicians, heads of schools and departments	\$15 or INR 1000 per person for 3 days
Day 2 कलित कथित	Introductory session for all the teacher participants, & Concurrent workshops	Math Teachers and enthusiasts	\$8 or INR 500 per person per day
Day 3 सुहित सुहित	Introductory session for all the parents and students, & Concurrent workshops	Parents and Students	Free

About IAVM:

The IAVM, a charity registered in UK, was established to promote, disseminate, research and support the system of Vedic Mathematics internationally. The trustees are among the world's leading authorities on Vedic Mathematics and work to offer services, host conferences, and forums, and to take a lead on research and development of Vedic Mathematics and its integration into education. Vedic mathematics is becoming increasingly popular in India with an ever-growing demand for its use in education. The IAVM also supports and encourages research into modern applications such as in the use of Vedic techniques in digital signal processing and computer related applications.

IAVM Trustees:

1. **Mr. James T Glover, Researcher-Vedic Maths.**
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