Sri – Om
VEDIC MATHEMATICS AWARENESS YEAR

Swami Bharati Krshna Tirtha Ji Maharaj
(1884-1960)

All are invited to join Awareness program

All are warmly invited to join the awareness program of Vedic Mathematics. All teachers, parents and students are invited to Learn and Teach Vedic Mathematics for proper intelligence growth at School.

Dr. S. K. Kapoor, Sh. Rakesh Bhatia, Sh. Bhim Sein Khanna, Sh. Deepak Girdhar
- Organizers

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Vedic Mathematics and Modern Mathematics

I.   Vedic Mathematics and Modern Mathematics

II
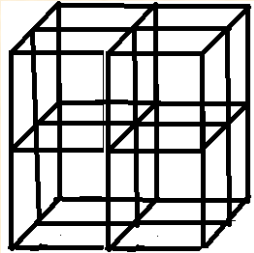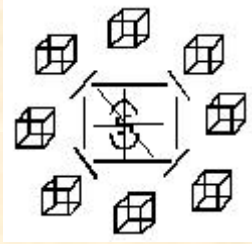## Second phase of applied values of Vedic Mathematics

1. Credit goes to Swami Bharti Krshna Tirtha Ji Maharaj to focus the attention of Mathematics students of present generation.
2. During second quarter of 20th century, the focus of Swami ji had been to demonstrate and to impress upon the interpretation of text of Ganita Sutras as to its values application to arithmetic.
3. Swami ji had ultimately been successful to convince about the arithmetic operations supremacy along the Ganita Sutras format.
4. However curiosities started surfacing and piling up of expectations as to what are the further extended applications of mathematical values of Ganita Sutras.
5. This urge and chase of it that way takes us to the second phase of demonstration of applied values of Ganita Sutras
6. It in a way can be said to be a transition from applications to school Mathematics to college Mathematics.
7. The catchword here, in the context of the second phase is going to be 'analysis', as comparison to the first phase catchword being 'arithmetic'
8. For concrete takeup, the graduation levels subject 'analytical solid geometry' is being choiced.

9. In the context of India, hand is being laid at the Text Book 'analytical solid geometry' for B.Sc. and B.A. Students by Shanti Narayan and Dr. P. K. Mittal published with ISBN no 81-219-2661-0 code 14 516 by S. Chand & Company ltd. (Ram Nagar, New Delhi-110055). This book is holding the ground for last three quarters of century, to be precise from 1939 till date (2015).

10. For the reference focus, in concrete symbolic description for distinctive tabulation for the features tagged for the pair of streams of modern Mathematics and Vedic Mathematics, choice is being had in terms of following pair of symbols:

Modern Mathematics format	Vedic Mathematics format
Analytical solid geometry format	Hyper cube 4 format
Eight octant set up	Eight solid boundary set up

11. Book Analytical solid geometry as its first chapter 1 'Co-ordinate'. It starts with

    '**Introduction**'

    "In a plane the position of a point is determined by an ordered pair (x, y) of real numbers, obtained with reference to two straight lines in the plane generally at right angles. The position of a point in space is, however, determined by an ordered triad (x, y, z) of real numbers. We now proceed to explain as to how this is done."

12. The conceptual terms being availed in 'introduction' itself are
    (i) Play (ii) Position of a point in plane
    (iii) Ordered pair (x, y) of real numbers
    (iv) reference of two straight line
    (v) Space (vi) position of a point in space (vii) ordered Triad (x, y, z)

13. Surfaces, solid, ordered pairs and ordered triads are the basic conceptual terms, values and formats whose comprehension, appreciation imbibing, insight, applications and connected aspects of different systems like that of modern

Mathematics and Vedic Mathematics are to be tabulated for their comparisons and for working simultaneously with them.

14. Here to illustrate the point, the word compositions of English language of Alphabet of 26 letters of individual number values format parallel to numbers 1 to 26 sequentially parallel to A to Z shall be leading to number values formats for the words as summation of individual letters values as in case of W = 23 O = 15, R = 18, D = 4, the summation value 23 + 15 + 18 + 4 = 60 as the number value format for the WORD to be expressed as NVF (Word) = NVF (W) + NVF (O)+ NVF (R)+ NVF (D)

15. In this reference:
NVF (PAIR) = NVF (SPACE) = 44

16. One may have a pause here and take note that 'Analytical solid geometry' approaches 'space', the position of its point can be coordinated (fixed) as (and in terms of triads (x, y, z) which ultimately makes the space 'a 3-space' and the point (x, y, z) being point of 'solid (body) of 3-space'.

17. One may further have a pause here and take note that Vedic Mathematics and modern Mathematics conceptually differ at this very initial stage of conceptualization of 'space' itself and accordingly about the fixation of a point in 'space'.

18. Modern Mathematics, as such is conceptualizing space as a static set up of 3-space format, while Vedic Mathematics approaches it as a 4-space, approachable in terms of dynamic state (3-space).

19. The other glaring feature of difference between two streams of Mathematics (modern and Vedic) can be pointed as that the approach of modern Mathematics starts with and presume attaining 3-space in the role of domain fold, while infact it unknowingly slips into role of 3-space as boundary fold (solid boundary) of eight components of hyper cube 4.

20. In the background of these introductory remarks, we shall be taking up th comparative study of approaches of modern Mathematics and Vedic Mathematics.

       To be continued….   *

* **24-02-2015**   Dr. S. K. Kapoor, *(Ved Ratan)*

Increditable India format

Today let us think of Vedic sounds to appreciate increditable India format, education policy direction, skills development vision and creation of jobs pool.

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Vyakaran Vedanga

Increditable India format

Increditable India format vibrates with Vedic Sounds and settles with values of Vyakaran Vedanga. Ashtadhiyay of Panani, with its auxiliary ganas like Dhatugans has become the base of this settlement. Whole range of human articulated language gets unified with the virtues of Sanskrit Grammar. Sanskrit Grammar is to play its role as to be the source reservoir of languages values. And for it, India is to rise to the occasion. Dedicated efforts are required to institutionalize this RESPONSIBILITY.

Also see at http://mygov.in/group_info/incredible-india

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Education policy direction

Direction is required to be intensified to restore Grammar role as source reservoir values of whole range of human articulated languages and also for protection of values of Sanskrit Grammar as well. The shortcut approaches to Sanskrit Grammar being experimented are suicidal for the main objective of exposing human mind to the transcendental values base of Sanskrit Grammar. Panani Ashta-adheyaye with its all the auxiliaries of Dhatuganas etc. be availed as per their organization formats.

Also see at http://mygov.in/group_info/new-education-policy   *

Skills development vision

Skills development vision eyes well to be face to face with the potentialities of Sanskrit Grammar to put intelligence on sequential progression path. The organization format of Sanskrit Grammar is inherently parallel to comprehension levels of human facilities. It is this feature which need be exploited well to develop skills faculty wise and that too as per their comprehension levels.   The traditional talent available can help develop required skills to be effective Sanskrit Grammarians.

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Also see at http://mygov.in/group_info/skill-development

Jobs creation pool

Jobs creation pool can be filled with preparation of Sanskrit Teachers. Within India itself, there is a very big need of Sanskrit Teachers. We are more than billion souls. We have very big range of languages which require proper help from Sanskrit Grammar. In addition, outside India, the demand of Sanskrit Grammar Teacher is on much bigger scales. With little resources and proper planning, human resource can be equipped with potential of being effective Sanskrit teachers for full spectrum needs.

Also see at http://mygov.in/group_info/job-creation

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*   **24-02-2015**   Dr. S. K. Kapoor, *(Ved Ratan)*