

List of VM Consolidated documents of Dr. S. K. Kapoor

List 1 Different aspects of Vedic Mathematics

Aspect 12 Ancient Wisdom

01 INTRODUCTORY




1. Ancient wisdom, with *Vedas* as core, uniquely demonstrates organization of whole range of knowledge, as a single discipline of coverage range of entire Existence-phenomenon, with 'man' at its center. In precise terms it comes to be of the features of 'Earth to Sun' range.
2. For many historic reasons, the entire range of Ancient wisdom has not reached us. However, fortunately *Sakala Rigved Samhita*, the oldest source scripture has reached us intact from its first syllable to the last syllable
3. As the traditional claims go, the whole range of ancient wisdom can be revived in terms of formats and systems of *Sakala Rigved Samhita* itself.
4. The literature reaching us preserves well, as that 'following the values of formats and systems of wholesome single *Ved*', *Maharishi Ved Vyas* re-organized it as four *Vedas*, namely *Rigved*, *Yajurved*, *Samved* and *Athrav-ved*.
5. This organization resulted into four *Vedas* as of 21, 101, 1000 and 9 branches respectively and each branch having its distinct *Samhita*, *Brahmana*, *Arnaik* and *Upnishad* and thereby making it a knowledge range of 4524 scriptures.
6. The organization format of *Sakala Rigved Samhita* is of 10 *mandals*, 8 *aushtaks*, 64 *adheyas*, 85 *Anuwaks*, 1028 *Suktas*, 2024 *vargas*, 10552 *mantras / richas* and 432000 *akshras* of which 397265 are written and remaining 34735 are unwritten *akshras*.
7. This organization is as per the values of formats and systems of *Sakala Rigved Samhita* itself, as that the values of knowledge and of organization of knowledge run parallel to each other.
8. Essence of *Vedas* is known as *Vedanta*. The essence of *Vedanta* is the *Vedanta-tri*, the three-fold scriptures, namely *Upnishads*, *Braham Sutra* and *Shrimad Bhagwad Geeta*. And, the essence of *Vedanta-tri* is *Shrimad Bhagwad Geeta*.
9. *Shrimad Bhagwad Geeta* enlightens us as that the *Sankhiya Nishtha* and *Yoga Nishtha* are the twofold processing systems which are not only complementary and supplementary of each other but also run parallel to each other.
10. The available *Vedic literature* reaching us also preserves well, as that the sequential flow of pure and applied values of *Vedic* knowledge, conceptually format and systematise themselves as per the sequential range of the values of two-fold *Sankhiya* and *Yoga Nishtha*, as being :
 - (i) *Ek-shira* (One head god),
 - (ii) *Dwi-shira* (Two head god),
 - (iii) *Tri-shira* (Three head god),
 - (iv) *Chatur-mukha*
(lord with Four mouths),
 - (v) *Panch-mukha*
(Lord with Five mouths) and
 - (vi) *Shan-mukha*
(Lord with Six mouths),
 - (vii) *Sapt-bhumi* (Seven states),
 - (viii) *Asht-Prakrati* (Eight fold nature),

- (ix) *Nav-Braham* (pure values reservoir of Nine flow streams) and beyond that,
- (x) *Par-Braham* (the Ultimate source of pure values).
11. The first three of the above sequential flow steps, namely *Ek-shira* (One head god), *Dwi-shira* (Two head god), and *Tri-shira* (Three head god) together are the reservoir of features of *Triloki*.
 12. The next three sequential steps, namely *Chatur-mukha* (lord with four mouths), *Panch-mukha* (lord with five mouths) and *Shan-mukha* (lord with six mouths) are together designated and known as *Trimurti*.
 13. The steps following *Triloki* features and *Trimurti* values are the *Brahman State* features and values.
 14. *Trimurti* and *Brahman state* values and *vision* transcend linear order 3-space physical world. It is about the existence of Real four and higher dimensional spaces.
 15. *Vedic formats* and systems accept 4-space as Creator's space. Lord Brahma, the four head lord is the presiding deity of Creator's space.
 16. *Lord Brahma*, creator the supreme, is the four head lord with each head equipped with a pair of eyes. *Lord Brahma* sits gracefully upon the lotus seat of eight petals and meditates within Cavity of his own heart, upon the transcendental five head lord, *Lord Shiv*.
 17. These features of IDOL of Creator, the supreme, focus upon the values of the manifestation format of creations.
 18. One of the basic features of this format is that it permits transcendence. The pair of eyes of each head is parallel to the spatial dimensional order.
 19. The four heads of the creator are parallel to the dimensional frame being of four dimensions.
 20. These all values together, lead to *Sankhiya Nishtha* and *Yoga Nishtha* processing as of four folds, with pair of eyes as spatial dimensional fold, eight petals lotus seat as solid boundary of eight components, four head lord as hyper solid-4 domain fold and the transcendental seat of five head lord within cavity of heart being the transcendental origin of hyper solid 5 seat.
 21. The *Sankhiya Nishtha* which avails artifices of numbers with geometric formats would help workout above features of manifestation format of Creator's space as quadruple of artifices (2, 3, 4, 5) / along 2-space as dimension fold, 3-space as boundary fold, 4-space as domain fold and 5-space as origin fold.
 22. The transcendental lord, *Lord Shiv* is the five head lord with three eyes in each head. *Lord Shiv* has ten beautiful arms. *Lord Shiv* meditates within his own heart upon the self-referral six head *Lord Vishnu*, the over lord of 6-space.
 23. These features, values and vision of *Vedic formats* and systems is of four fold manifestation with 3-space in the role of dimension, 4-space in the role of boundary, 5-space in the role of domain and 6-space in the role of origin.
 24. The corresponding quadruple (3, 4, 5, 6) is of a sequential steps ahead of the quadruple (2, 3, 4, 5) and the same in its generality leads to the quadruples chain (n, n+1, n+2, n+3) for all values of n.
 25. The quadruples sequential chain (n, n+1, n+2, n+3) being the expression for the manifestation features and as such the same are designated as hyper cubes.
 26. Our well known 'cube', as such, emerges as a four fold manifested body of quadruple expression (1, 2, 3, 4) / (1 space as dimension fold, 2-space as

- boundary fold, 3-space as domain fold and 4 space as origin fold).
27. Likewise 'interval' and square sequentially are of manifestation values and features and are designated as hyper cubes 1 and 2 respectively.
 28. The basic manifestation format being of the features of 'idol of creator'. *Lord Brahma* and same being of features of hyper cube 4 / (2, 3, 4, 5) / (2-space as dimension fold, 3-space as boundary fold, 4-space as domain fold and 5-space as origin fold), as such hyper cube-4 becomes the basic format of features and values of Creator's space (4-space).
 29. Creator's space (4-space) being the spatial order space, as here 2-space plays the role of dimension, as such it shall be of different features and values than that of linear order 3-space set up.
 30. Accordingly the mathematics, sciences and technology of 4-space are going to be of different features and values than that of our linear order 3-space.
 31. And with it, for transition from linear order 3-space to spatial order 4-space, there would be a need for transition from mathematics of '1 as 1' to mathematics of '2 as 1' and '1 as 2' both being available simultaneously.
 32. In the context, it also would be relevant to note that $2 + 2 = 2 \times 2 = (-2) \times (-2)$ and as such the spatial order mathematics shall not only be super-imposing and unifying addition and multiplication operations but also it would be super imposing and unifying 'orientations' as well.
 33. This super-imposition and of unification of orientations is in a way a reflection operation and as such the mathematics, sciences and technology of Creator's space avails, in addition to arithmetic operations, the reflection operation as well, and with it, it acquires the features of 'mathematics of light'.
 34. The applied values of '2 as 1' and '1 as 2', amongst others, is that here $\frac{1}{2}$ emerges as the mathematical tool.
 35. And, with it, also would be available the geometrical tool of 'half dimension'.
 36. It is the 'pairing' and 'halving' features and values which take the central place here in creator's space mathematics, sciences and technologies and same would be playing the prominent role in the structural formats of words formulations of 26 letters English alphabet vis-à-vis 52 letters of *Vedic alphabet*.
- Vedic claims***
1. *Vedic systems'* claim, amongst others, prominently is that the *Vedic alphabet* is the source format for all the alphabets.
 2. Further as that this format of these features is parallel to that of Human Mind.
 3. As such, claims go on, as that the knowledge bits of whole range of knowledge are inherently there in the *Vedas*.
 4. Taking values of these *Vedic claims* as these are, as a road map for exploring and having a test chase of them, attempt is here by being made to reach at the basis, rather the mathematical basis, if any, of English Language of its orthodox and classical frames.
 5. *Vedic systems* approach '*Vishnulok*' / (6-space with 4-space as dimension) as $6 \times 4 = 24$ elements domain availing 26 meters / *chandas range*, as $26-24=2$; $1+24+1=26$.
 6. These arrangements have beneath them, the geometric formats:
Firstly, as that there are two end points (boundary points) of an interval, hyper cube 1, the representative regular body of 1-space.

Secondly, as that the domain fold and dimension fold are coordinated as (n space, n-2 space) / (n, n-2).

7. *Sathapatya Measuring Rod* with *Lord Vishnu* (six head lord) as its presiding deity accepts *Lord Brahma* (four head lord) as the presiding deity, of the Measure of this Measuring Rod.
8. As such, *Vedic systems'* chase of geometric domains in terms of *Sathapatya Measuring Rod* is to be the 'basic tool', which is to help us chase the *Vedic mathematical basis of English language* of orthodox and classical frames.
9. Broad features of this Measuring Rod, are of the representative regular bodies of 1-space to 6-space synthesizing this Measuring Rod.

		
Interval	Square	cube
Hyper cube-1	Hyper cube-2	Hyper cube-3
$A^1 : 2A^0$	$A^2 : 4A^1$	$A^3 : 6A^2$
H	Q	b
Hyper cube-4	Hyper-cube 5	Hyper cube-6
$A^4 : 8A^3$	$A^5 : 10A^4$	$A^6 : 12A^5$

10. These bodies are also designated and known as hyper cubes 1 to 6. Symbolically, unless and untill the context to be otherwise, these may be depicted as above.
11. 26 measures / elements as such along hyper cube 6 format, and parallel to it alphabet letters A to Z shall be permitting association of artifices of numbers as follows :

A	B	C	D	E	F	G
1	2	3	4	5	6	7

H	I	J	K	L	M	N
8	9	10	11	12	13	14
0	P	Q	R	S	T	U
15	16	17	18	19	20	21
	V	W	X	Y	Z	
	22	23	24	25	26	

12. These artifices values of alphabet letters to be taken as their number values formats (in short NVFs). as such :
 NVF (A) = 01, NVF (B) = 02,
 NVF (C) = 03, NVF (D) = 04,
 NVF (E) = 05, NVF (F) = 06,
 NVF (G) = 07, NVF (H) = 08,
 NVF (I) = 09, NVF (J) = 10,
 NVF (K) = 11, NVF (L) = 12,
 NVF (M) = 13, NVF (N) = 14,
 NVF (O) = 15, NVF (P) = 16,
 NVF (Q) = 17, NVF (R) = 18,
 NVF (S) = 19, NVF (T) = 20,
 NVF (U) = 21, NVF (V) = 22,
 NVF (w) = 23, NVF (X) = 24,
 NVF (Y) = 25, NVF (Z) = 26.
13. It be taken as definition as that pairing of artifices to mean addition / sum of the values of the paired artifices.
14. Illustratively (1, 2) = 3 and parallel to it (A, B) = 1 + 2 = 3. Like that the letters w, o, r, d, together as 'word', to be taken as a formulation of artifices, which as per their pairing (operation) shall be leading to NVF (Word) = NVF (W) + NVF (O) + NVF (R) + NVF (D) = 23 + 15 + 18 + 4 = 60 = NVF (Four).
15. Like that every English Alphabet word formulation shall be accepting a distinct number value format (NVF).
16. The tabulation of such NVFs shall be helping us arrange entire vocabulary as a range of artifices.
17. The Bible Words Formulations run parallel to Artifices Range '6 to 241' with least NVF formulation being (Abba) as NVF 6 and the largest NVF

formulation being ‘presumptuously’ of NVF 241.

Vedic Organization

1. As the tradition goes, the whole range of *Vedic scriptures* can be revived in terms of systems and processes of *Sakala Rigved Samhita*, and as such *Sakala Rigved Samhita* becomes our most valuable ancient treasurer.
2. This transcendental feature of *Sakala Rigved samhita* is there as the same avails the organization format of 6-space itself for knowledge of 6-space.
3. Six-space is of a creative dimensional order as that 4-space plays the role of dimension of 6-space as a self-referral domain.
4. With it, the *Sathapatya measuring rod* presided by Lord Vishnu (presiding deity of 6-space) and its measure presided by *Lord Brahma* (presiding deity of 4-space) becomes the basic *Vedic mathematics, Science and Technology* apparatus to be availed for chase of the organization format of *Sakala Rigved Samhita* and hence of ancient wisdom with Vedas as its core.
5. Further the format for existence within human frame, designated and known as *Pursha format*, which is of features parallel to the features of *Sathapatya measuring rod*, as such would become the basic format for chase of our Existence-phenomenon.
6. *Sathapatya measuring rod* avails hyper cubes 1 to 6 for sequential features parallel to *Shad chakras* / six eternal circuits of human frame.
7. As such for sequential chase, hyper cubes 1 to 6, that way become, the basic geometric formats for chase of Existence-phenomenon of ‘Earth to Sun’ range.
8. Accordingly 26 elements range of *Vishnu lok* / Sun / 6-space / hyper cube 6, as such provide values and features for 26 meters for coverage of Earth to Sun range and the same when manifest as 26 letters alphabet, its words formulations manifestation would be as per the features and values of the dimensional frames of hyper cubes 1 to 6.
9. With it, *Sankhiya Nishtha* and *Yoga Nishtha* stand established as the basic processing processes being complementary and supplementary of each other as that *Sankhiya Nishtha* presumes the existence of dimensional frames and avails artifices of numbers and on other hand *Yoga Nishtha* presumes the existence of artifices of numbers and avails the dimensional frames.

Languages















1. Within *Vedas*, whole range of knowledge gets unified as a ‘Single Discipline’. And, Mathematics is no exception. Studies reveal that Mathematics preceded the composition of *Samhitas* but the same ultimately gets unified with all other Disciplines of knowledge, within the Single Discipline of Knowledge as *Vedas*.
2. As the Traditions go, the whole range of Human articulated languages accept the features of *Vedic alphabet* for their alphabet formats. With it, the present study aims to chase the mathematical basis of English Language as it is, of its orthodox and classical vocabulary, of its 26 letters alphabet.
3. With it, the start with hypothesis and axioms for chase of mathematical basis of 26 letters alphabet comes to be as that the ‘Earth to Sun’ range permits coverage in terms of 26 meters which manifest as 26 elements of *Vishnu lok* (Sun) / 6-space.

4. Further, for this chase, it would be available a two-fold processing processes of *Vedic systems*, namely the *Sankhiya Nishtha* and *Yoga Nishtha*. Of these, *Sankhiya Nishtha* on its ultimate analysis presumes the existence of geometric formats for availing the artifices of numbers. And, on the other hand, *Yoga Nishtha* on its ultimate analysis presumes the existence of artifices of numbers for availing geometric formats within Dimensional Frames.
5. Still further, it be taken as an axiom as that '*Sankhiya Nishtha*' and '*Yoga Nishtha*' are complementary and supplementary of each other at every processing step which makes both systems running parallel to each other.
6. It is, in this background that 26 elements range, as such becomes the range of artifices 1 to 26. However while working out this range of 26 elements for coverage of 'Earth to Sun' range, inherently the corresponding geometric formats within dimensional frames would presumably come into play of their own.
7. It is in this background that artifice 6 comes to a central focus. The corresponding geometric format within dimensional frames coming into play would be of Real 6-space. With it, hyper cube 6 being its representative regular body would come to central focus.
8. Artifice 6, as part of double digit expressions shall be sequentially to be of values 06, 16, 26, 36, 46, 56, 66, 76, 86, 96. The parallel row of reflection pairs of this range of artifices would also come into play as: '60, 61, 62, 63, 64, 65, 66, 67, 68 and 69'.
9. Of these, the reflection pair of artifices (26, 62) is uniquely placed as that these are of the number value format NVF (God) = 26 and NVF (Cosmic) = 62, and as such NVF (Cosmic god) = 88 = NVF (Volumme) = NVF (Space) + NVF (Space).
10. It is this space pairing feature which that way is destined to play its pivotal role here in the compositions of the words formulations of 26 letters alphabet as English alphabet comes to be.
11. NVF (English) = 74 = NVF (Pairing), in the context gives us the basic lead as that NVF (Pairing god) = 74 + 26 = 100 = NVF (Discipline).
12. Accordingly, such chase of pairing feature being NVF (Pairing) = NVF (a format) would be of great help.

Artifices 1 to 26

1. Artifices of numbers presume the existence of geometric formats. Accordingly at the base of place value systems for the numbers, is available the *Sathapatya measuring rod* as synthetic set up of hyper cubes which for n-space as domain accept n-1 space as boundary.
2. With it, the boundaries and domains constitute parallel sequential set ups but with the natural difference in their sequential values which when in case of domains would be of values (1, 2, 3, 4, -- --), the same for boundaries shall be of values (0, 1, 2, 3, 4, ----)
3. Interval as hyper cube 1 of 1-space with 1-space as domain and 0-space as boundary shall be of artifice-1 at domain and of artifice 0 at the boundary. Its 1 artifice at the domain and 0 artifice at the boundary would be parallel to power 1 at the base and power 0 at the boundary and same would be of the features of the first place of the place value format.

Place value format with Sathapatya measuring rod at the base

10^6	10^5	10^4	10^3	10^2	10^1	10^0
						
A^6	A^5	A^4	A^3	A^2	A^1	A^0
						
A^7	A^6	A^5	A^4	A^3	A^2	A^1

4. Ahead, square as hyper cube 2 with 2-space as domain and 1-space as boundary shall be of artifice-2 at domain and of artifice 1 at the boundary. Its 2 artifice at the domain and 1 artifice at the boundary would be parallel to power 2 at the base and power 1 at the boundary and same would be of the features of the second place of the place value format
5. Likewise would be the parallel flow for the base and boundary values for the subsequent places of the place value systems. In the pictorial depiction above, the illustrative case of ten place value system has been focused. Infact it would be available for the whole range of place value systems.
6. Now, it would be blissful to convert the expression '26' of ten place values system of above format for different place values systems of geometric bodies.
7. The value '26' of ten place value system infact is the value $2 \times 10^1 + 6 \times 10^0$. In general it is of the format $2N^1 + 6N^0$.
8. It would be interesting to note that for $N=2$ it would be $2 \times 2 + 6 \times 1 = 10$.
9. The expression '26' for such two place value system is '10'.
10. Let us have a comparison of the pair of ranges :
1 2 3 4 5 6 7 8 9 10 and
1 2 3 4 5 6 ---- 24 25 26.
11. One of the glaring feature of this pair of ranges is that while the first range namely '1, 2, 3, 4, 5, 6, 7, 8, 9, 10' is a sequential range of ten whole numbers, but the second sequential range '1, 2, 3, 4, ---- 24, 25, 26' is precisely the sequential range of ten primes, namely '1, 2, 3, 5, 7, 11, 13, 17, 19 and 23'.
12. It is this feature which marks its presence prominently in the pairing operations and in respect of given sets of elements.
13. Here, it also would be relevant to note that there are precisely half number of primes namely '1, 2, 3, 5, 7' uptill the range of 1 to 10 out of total range of 10 primes of the range of 1 to 26. Further as that last three numbers of range 1 to 10 as well as of range of number 1 to 26 are composite numbers in each case. As such working with ten numbers range and working with ten primes range get coordinated with great structural advantages within spatial order Creator's space.
14. The values range for the expression '26' along 2 to 10 place values formats comes to be : $2 \times 2 + 6 = 10$, $2 \times 3 + 6 = 12$, $2 \times 4 + 6 = 14$, $2 \times 5 + 6 = 16$, $2 \times 6 + 6 = 18$, $2 \times 7 + 6 = 20$, $2 \times 8 + 6 = 22$, $2 \times 9 + 6 = 24$, $2 \times 10 + 6 = 26$.
15. In one way this values range (10, 12, 14, 16, 18, 20, 22, 24, 26) is parallel to the boundary components of hyper cubes 5 to hyper cube 13.
16. This domain boundary ratio $A^N: 2N B^{N-1}$ for hyper cubes leads to $(2N + 1)$ versions for hyper cube N. Illustratively interval as hyper cube 1 is having 3 versions corresponding to 3 geometries of 1-space. Ahead square as hyper cube 2 is having 5 versions parallel to 5 geometries of 2-space and so on.
17. Here, it would be relevant to note that hyper cubes 1 to 6 are respectively having 3, 5, 7, 9, 11 and 13 versions corresponding to equal number of geometries of 1 to 6 spaces respectively.

18. Further, it also would be relevant to note that as these are the manifested creations of spatial order Creator's space (4-space), as such unfolding for the hyper cubes shall be available along each of the pair of dimensions of the spatial order of the Creator's space which shall be making available a geometric set up of $2(2N + 1)$ versions for the respective hyper cubes.
19. This set of $2(2N + 1) = 4N + 2 = 4(N - 1) + 6$ shall be parallel to $2 \times 2(N - 1) + 6$ values range for the expression (26) of place values $2(N - 1)$.
20. Still further the value $4(N - 1) + 6$ shall be permitting re-organization as $(N - 1) + N + (N + 1) + (N - 2)$ leading to a quadruple $(N - 1, N, N + 1, N + 2)$ / hyper cube $(N + 1)$.
21. One may have a pause here and permit the transcending mind to chase these structural features which in the context of hyper cube N shall be leading to its origin fold / $N + 1$ as origin of hyper cube N and the same for 4-space in the role of dimension fold of 6-space shall be providing spatial order for dimension of dimension of 6-space with which all the four manifestation folds themselves shall be of the formats of four fold manifestation layers, a unique phenomenon which will make the formats and systems as of simultaneous transcendental and self referral features.
- / 6-space / hyper cube 6 format as 26 *Chandas* / Meters / Filters / Artifices range 1 to 26 accepting pairing operation which unifies Arithmetic operations as well as well as the reflection operations:
23. As mathematics of '2 as 1' and '1 as 2' being simultaneously available.
24. With transition from four fold manifestation layer (2, 3, 4, 5) / (2-space as dimension fold, 3-space as boundary fold, 4-space as domain fold and 5-space as origin fold) / hyper cube 5 at origin fold / origin of hyper cube 4, there would emerge a five fold transcendence range (2, 3, 4, 5, 6) with 6-space as base for five space as origin fold. It is this reach at self-referral base (6-space as base of origin) and a back reach from base of origin to origin itself as reflection pair of processes expressible as reflection pair of artifices (56, 65), which deserve to be comprehended well for full insight about this transcendence phenomenon of two fold features namely transcendence by way of decedence at 5-space as origin to 6-space as base, parallel to which shall be the artifices (65) of the center. And on the other hand the reverse transcendence from 6-space as base of origin to 5-space as origin by way of ascendance of artifices values (56) shall be of the values of emergence of 'light' from the 'center' of center of origin, namely from 6-space / Sun.
25. It is this emergence of 'light' of artifices value (56) which within spatial order Creator's space shall be of summation value $56 + 56 = 112$ of the features of 'mathematics' of Creator's space. It is the logic of light, space of light, light itself and the light cage which shall be manifesting dimension, boundary, domain and origin folds of the manifestation format of Creator's space.

4-space domain

22. These features together, as such emerge to be the simultaneous features of *Trimurti* (4-space, 5-space, 6-space) as the features of Vedic formats and systems, in terms of which the whole range of knowledge gets unified as a single discipline of Creator's space for the coverage of 'Earth to Sun range' in terms of 26 elements of Vishnu lok / Sun

26. NVF (Dimension) as NVF (Light logic), NVF (Boundary) as NVF (Light space), NVF (Domain) as NVF (Light) and NVF (Origin) as NVF (Light cage) deserve to be chased and comprehended well for full insight of the features, values and vision of disciplines of mathematics, sciences and technologies of Creator's space together constituting Vedic discipline of 'mathematics, science and technology'.
27. Here, it would be relevant to note that 'light' as domain shall be making it a set of 'seals' as the Existence-phenomenon of four space is 'porous' with holes, holes and holes everywhere which when sealed shall be making seals as domain
6. This, this way makes it a phenomenon, a step ahead of the expression of the range of five fundamental elements, namely Earth, Water, Fire, Air and Space.
7. Sum up: Learning focus is upon artifice six / 6-space / Sun / *Vishnu lok* / Atman (Soul) as expression range of 26 basic values / elements / features approachable as a range of artifices 1 to 26, in terms of which the Vedic universal claims are taken to be justified. ■

02

VEDIC UNIVERSAL SYSTEMS APPROACH

1. *Vedic way* to settle the universal systems is to avail twenty six values, which are also known as basic 6-space elements.
2. The established Vedic processing systems are two fold, designated and known as *Sankhiya Nishtha* and *Yoga Nishtha*.
3. The *Sankhiya Nishtha* presumes the existence of geometric formats and avails the artifices of numbers.
4. On the other hand, *Yoga Nishtha* presumes the existence of artifices of numbers parallel to dimensional frames and avails the geometric formats.
5. Both these processing systems run parallel to each other and are also complementary and supplementary of each other. The twenty six basic values / elements are the different features of Real 6- space / Sun / *Vishnu lok* / Atman (soul).

03

MATHEMATICAL BASIS OF ENGLISH LANGUAGE

Introductory

1. Present study is of the format of explorative chase for mathematical basis of English Language (of orthodox and classical vocabulary).
2. This study is inspired by the Vedic systems claims as that whole range of knowledge is unified with '*Vedas*' as its core. Further the Vedic claims are that the orthodox and classical human articulated languages are of specific values format of *Vedic Sanskrit*.
3. This on its specifics would take us to as that all such languages alphabets are of specific features of *Vedic alphabet* itself.
4. With it, the explorative chase range of Vedic systems would culminate as that 'Earth to Sun' range' chase would become possible in terms of 26 elements coverage by the *Sathapatya* Measuring Rod availing synthesis of formats of hyper cubes 1 to 6 as manifestation layers values of representative regular bodies of 1-space to 6-space.

5. This, as such, in practical terms makes available 26 meters / *chandas* / filters / measures / values / elements to be worked out as alphabet.
6. Taking this as axioms and postulates for the words formulations of 26 letters alphabet, the present chase study is being taken up to reach up till it would become possible for me.

2. English Alphabet

7. English alphabet of 26 letters 'A to Z', as such becomes the starting point of this chase study.
8. As a first step this 26 letters range from 'A to Z' is being taken as a range of artifices 1 to 26 in that sequence and order of alphabet letters range 'A to Z'.
9. With it, 'A' is taken as of artifice value '1', 'B' as of artifice value '2', 'C' as of artifice value '3' and so on, 'X' as of artifice value 24, 'Y' as of artifice value '25' and 'Z' as of artifice value '26'.
10. Further, the basic composition operation being accepted as the pairing operation. It is of basic applied value of artifices when paired to yield summation value of individual artifices subjected to pairing. Illustratively, when 'A' and 'N' are paired, these as formulation 'an' shall be of summation value '1+14=15'.
11. These artifices values of individual alphabet letters and also of paired letters are designated and accepted as 'numbers values formats' in short NVFs of respective letters (as well of respective formulations).
12. This as such shall be leading us to NVF (A) =1, NVF (Ab) = 1 + 2 = 3, NVF (Abc) = 1 + 2 + 3 = 6 and so on. It would follow as that the 'number value format' for individual alphabet letters on their summation, as summation value of the individual letters availed by words

formulations are to be the 'number value formats' of those formulations.

13. It would be a blissful exercise to tabulate different words formulations being of same number value formats, like NVF (Word) =60 = NVF (Four).

3. Classification of Words Formulations

14. The first assignment, as such for this chase study would lead us to having compilation of NVF Dictionary of English vocabulary.
15. This, that way would help us have classification of words formulations in terms of their respective number value formats.
16. It would be very interesting to note that the scripture 'BIBLE' is leading us for its coverage only along the NVFs range '6 to 241'.

4. Real Pairing

17. NVF (Real Pairing) = 110= NVF (Sun light) = NVF (Sky sky) deserves to be chased to have comprehension and insight about this pairing operation as NVF (meditation) = 110.
18. NVF (Operation) = NVF (Real matter) = NVF (Universe) and as such NVF (Pairing operation)= NVF (Universe pairing), and therefore the 'solar universe' with NVF (Solar universe)= NVF (One cube universe) makes this a unique attainment for the coverage of 'Earth to Sun' range as being of features of manifestation layer '3, 4, 5, 6' / '3-space as dimension, 4-space as boundary, 5-space as domain and 6-space as origin' and further as that summation value $3 + 4 + 5 + 6 = 18 = \text{NVF (Head)}$ brings everything being cognizable by 'head'.
19. Before proceeding further, one may have a pause here and permit the transcending mind to chase the formulation 'head'.

20. Firstly NVF (Head) = $18 = \frac{1}{2} \times 36$ which would lead to as that NVF (Head head) = NVF (Real).
21. This as such shall be bringing to focus, the 'Halving and doubling features' of 'pairing' like $18 + 18 = 36$ and $36 = 18 + 18$.
22. Further, before proceeding further, It also would be relevant to note that artifice 4, which is the first composite numeral following the triple '1, 2, 3', as that $4 = 2 + 2 = 2 \times 2 = -2 \times -2$.
23. With it '2 as 1' and '1 as 2' becomes the pair of approaches for reaching at the Mathematics of '4' as '2 as 1', and '1 as 2' available simultaneously and also attaining unification of addition and multiplication operations as well as for unification of opposite orientations. And still ahead, it also shall be attaining simultaneous handling of '1 and 2' / 'line and surface' / 'interval and square' / '1-space and 2-space' / 'straight line and circumference'.
24. In the context, it also would be relevant to note that NVF (Absolute) = NVF (A b so lute) = NVF (1, 2; one, two).
25. Therefore in the process 'absolute' is being attained.
26. And for it, artifice '4' is being availed for its features.
27. This as such, at the outset takes us to the existence of 4-space parallel to the features of artifice 4.
28. Further ancient wisdom enlightens us as that 4-space is a spatial order space as that hyper cube 4 as its representative regular body permitting expression as a four fold manifestation layer (2, 3, 4, 5) / (2-space in the role of dimension, 3-space in role of boundary, 4-space in the role of domain and 5-space in the role of origin).
29. NVF (One seed two) = NVF (Two seed one) = $125 = 5 \times 5 \times 5 = 5^3 =$ NVF (Transcendence), as such NVF (One cube universe) = NVF (Solar Universe) becoming possible because of permissible transcendence at origin of creators space (4-space).
30. Further it would be blissful to note that words formulations are of different features of our Existence-phenomenon.

5. Porous Space

31. NVF (Porous) = $104 =$ NVF (Four space).
32. Hyper cube 4, the representative regular body of 4-space as manifestation layer (2, 3, 4, 5) is of a domain whose origin is plugged with solid dimensional order / 5-space.
33. It is this 'porous' nature of four space which would help us comprehend and to have an insight as to how the Transcendental values of 5-space as solid dimensional order (3-space in the role of dimension) flow into Creator's domain (spatial order Creator's domain) / 4-space domain) only because of it being a 'porous' domain.
34. NVF (Domain) = $56 =$ NVF (Three) = NVF (Light) would further give us insight about 'porous light' with NVF (Porous light) = $160 =$ NVF (Creator, creator) = NVF (Sequentially), a blissful feature of creator pairing with itself; which would mean letter pairing with a letter as NVF (letter) = NVF (Creator) and this (letter, letter) pairing is sequential as NVF (letter, letter) = NVF (Sequential) = NVF (Discipline four).
35. One may have a pause here and permit the transcending mind to remain in deep sittings of trans and to be face to face with the phenomenon of Transcendental values (solid order of 5-space) being fountained into 4-space domain as 'discipline four' and as such, 'light' fountaining into 'space' and as a result

the spatial order manifestation layer (2, 3, 4, 5), transiting and transforming into solid order manifestation layer (3, 4, 5, 6).

04

ENGLISH BECOMES A PAIRING LANGUAGE

1. Summation value of 'English' is $5 + 14 + 7 + 12 + 9 + 19 + 8 = 74$ which is equivalent to the summation value of 'Pairing' being $16 + 1 + 9 + 18 + 9 + 14 + 7 = 74$.
 2. Further, it would be blissful to note that the summation value of 'element' as well is 74 as that $5 + 12 + 5 + 13 + 5 + 14 + 20 = 74$.
 3. Element, as such, is of 'pairing feature' which as such shall be giving us insight as that the artifices of numbers '1 to 26' as elements shall be bringing to focus this pairing feature inherently there in the artifices.
 4. It is this pairing feature which makes summation by way of addition being available and as such as well being availed in this process which makes English as a pairing language. ■
2. Here, it also would be relevant to note that alphabet letter 'A' is not marking its presence in the words formulation '1, 2, 3 and so on up till 999' being 'one, two, three and so on up till nine hundred ninety nine'.
 3. With it, out of artifices 1 to 5, the quadruple (2, 3, 4, 5) deserves to be comprehended and chased individually as well as collectively as a manifestation layer / hyper cube 4.

Artifices Factors and Primes

4. Artifice 1 is the only artifice which has only one factor, namely itself, i.e. '1', but $1 = 1 \times 1$ as well makes it of pair of factors.
5. All other artifices '2' onwards are having a minimum of two factors like '1' and '2' as factors of '2'.
6. The artifices which accept only up till two factors, as such are designated and known as 'primes'.
7. All other artifices with three and other higher number of factors are designated and known as composites.
8. Artifice '2' with its factors '1' and '2', as such shall be permitting formatting as a single axis and as a pair of axes.
9. This as such shall be creating a format of a format within dimensional frame of pair of axes, namely that of '2 space' / surface / plane / square / circle.
10. Here, it also would be relevant to note that the factors '1, 2' with re-organization set up '1, 1+1' and parallel to its first axis and both axes shall be leading us to the sequential feature of '1, 2'.
11. This sequential feature shall be parallel to the expression of 2 and surface within surface / interval and square within square.

05

NVFs DICTIONARY FOCUS

Initial Focus

1. It would be a blissful exercise to reach at NVFs Dictionary. First focus of this dictionary is to be upon the grouping of words formulations as per their number values. It would be interesting to note that 'A' is the only formulation with NVF as 1. Further, it also would be interesting to note that the next formulation 'abba' with NVF as 6 is marking its presence in the 'Bible'.

12. Likewise all primes with their pair of factors shall be permitting their organization expression within a two dimensional frame, which shall be of the formats of 'rectangles', instead of 'square', but for '1' as '1 x 1' be a prime of a square format.
13. Still further, as far as the composites are concerned, these despite having three or more factors, shall be permitting the pairing of first two factors / axes, and pairing of the last or two factors in case of only four factors, and in general, all the last factors from third factor onwards.
14. This as such shall be permitting to have a pairing of pairs.
15. It is this feature of pairing of pairs which shall be coming into play with artifice 2/ 2-space / surface / plane/ square / two dimensional frame and as such the organization importance of the quadruple of the artifices (2, 3, 4, 5) / (2-space, 3-space, 4-space, 5-space) / (2-space in the role of dimension, 3-space in the role of boundary, 4-space in the role of domain and 5-space in the role of origin / (square, cube, hyper cube 4, hyper cube 5 as representative regular bodies of 2 to 5 space within Creator space (4 space).
16. With it the initial manifestation layers (0, 1, 2, 3) and (1, 2, 3, 4) shall be of basic focus for the organizational features.
17. The manifestation layer (0, 1, 2, 3) with summation value $(0 + 1 + 2 + 3) = 6 = 1 + 2 + 3 = 1 \times 2 \times 3$ puts a focus upon artifice 6.
18. This focus upon artifice 6, as such puts a focus upon six place value system with its numerals beings (1, 2, 3, 4, 5) and the place value 0.
19. With this focus, the focus shifts and takes to 1-space to 5-space and accordingly hyper cubes 1 to hyper cube 5, being the representative regular bodies of 1-space to 5-space, emerge as the basic range for transition from the manifested creations.
20. The manifestation layers (1, 2, 3, 4) with summation value '10', (2, 3, 4, 5) =14, (3, 4, 5, 6) =18, (4, 5, 6, 7) =22 and (5, 6, 7, 8), accordingly emerge as the basic manifestation layers.
21. These as such brings into focus the five manifestation layers, namely, the manifestation layers:
 (1, 2, 3, 4) with summation value '10',
 (2, 3, 4, 5) with summation value 14,
 (3, 4, 5, 6) with summation value 18,
 (4, 5, 6, 7) with summation value 22 and
 (5, 6, 7, 8) with summation value 26.
22. With it further comes to focus the place values 6, 10, 14, 18, 22 and 26.
23. The start with manifestation layer (0, 1, 2, 3) with a focus upon '0' dimensional value makes organization of 'affine features'.
24. Further the artifices triple '1, 2, 3' being the unique triple of consecutive artifices being of pairing factors 1×1 , 1×2 , 1×3 and as such consecutive primes, that way becomes the basic unique triple.
25. Further as that the corresponding 6 place value system shall be having a focus upon five numerals range namely (1, 2, 3, 4, 5), and with it artifice '5', as the largest numeral of 6 place value system becomes the basic artifice for the organization systems.
26. It would be relevant to note that amongst the range of nine numerals of ten place value system, namely (1, 2, 3, 4, 5, 6, 7, 8, 9), the numeral '5' is having a middle placement. Further as that the numerals range '1, 2, 3, 4, 5' shall be taking us from the first numeral to the middle numeral.

27. This as such shall be bringing to focus that the ten place value system can be worked in terms of six place value system with its numeral range being the half range of the ten place value systems; and as such the halving process would come into play.
28. Further, it also would be relevant to note that the manifestation layer (0, 1, 2, 3) is having 0-space as dimension fold while the manifestation layer (1, 2, 3, 4) is having 4-space in the role of origin fold and accordingly 0 space and 4-space because of their unique placements and unique features shall be helping transition and transformation for linear order into spatial order. This unique feature is there as that $0 + 0 = 0 \times 0 = (-0) \times (-0)$ and $2 + 2 = 2 \times 2 = (-2) \times (-2)$. However, here it would be relevant to note that while $0 + 0 = 0$, $2 + 2 = 4$ and that the triple (0, 2, 4) is of the features as that 0-space plays the role of dimension of 2-space while 2-space itself plays the role of dimension of 4-space itself.
29. Still further, it also would be relevant to note that while the manifestation layer (0, 1, 2, 3) is expression of the feature of hyper cube 2 but on the other hand the manifestation layer (1, 2, 3, 4) is expression of the feature of hyper cube 3.
30. Further, it would be relevant to note that NVF (Mathematics) =NVF (square) + (cube).
31. Still further, it also would be relevant to note that artifices 2 and 3 is the only pair of consecutive even and odd primes, and one amongst them namely '2' is the only even prime and '3' is the first odd prime of linear order and second odd prime of the spatial order.
32. Ancient wisdom approach is of two fold feature of *Sankhiya Nishtha* and *Yoga Nishtha*.
33. The *Sankhiya Nishtha* presumes the existence of geometric formats and avails artifices along geometric formats.
34. *Yoga Nishtha* presumes the existence of artifices of numbers and avails dimensional frames parallel to artifices of numbers.
35. With it, the second focus of NVFs Dictionary to be compiled for knowledge and Enlightenment is to be upon the geometric formats within dimensional frames beneath the NVFs of the words formulations.
36. Though the initial focus at this phase and stage would be upon the *Sathapatya Measuring Rod* availing hyper cubes 1 to 6 but as the 26 letters English alphabet is having only 5 vowels, as such the prime focus here is to remain upon hyper cubes 1 to 5.
37. A stage and step ahead would be to shift from manifestation layer (0, 1, 2, 3) to the manifestation layer (1, 2, 3, 4) and for it the source Vedic alphabet of nine vowels need be approached and the pairing rule of 'sphere' is to be applied for extension of 26 alphabet letters range to that of $26+26=52$ alphabet letters range.
38. Here, it would be relevant to note that, like the restricted use of letter A, there shall be a restrictive application feature of pairing of letters, as much as that the general use of letters is to be only of once repetitions which would mean that neither of the letter A to Z is to be availed thrice or more consecutively in any word formulation.
39. This would mean that only 'aa' and not 'aaa' is to be availed in words formulations and likewise is to be the position in respect of the letters B to Z

2. Geometric focus

- which are to be taken for marking their presence only as 'bb' and not 'bbb'; 'cc' and not 'ccc' and so on.
40. Further, here it would be relevant to note that 52 letters alphabet as well accepts this restriction as a general rule as that in any word formulation there may follow at the most 4 consonants before or after a vowel of the word formulation of *Vedic* alphabet.
41. This feature is of much help to comprehend and to have an insight about the coordination of a pair of consecutive letters in the words formulations of 26 letters alphabet.
42. Letters 'A' and 'B' appearing consecutively as 'ab', shall be coordinated as a sequence terms and also same shall be of the format of (boundary, domain). In fact this feature would be reflected and would come into play for any pair of consecutive placement alphabet letters like 'ab' as first and second letter combine, 'bc' as second and third letter combine, 'cd' as third and fourth letter combine and so on.
43. The letters 'A' and 'C' are having placements with a single jump. This would be parallel to the feature of 'domain, dimension' coordination.
Likewise it shall be reflected in any pair of letters placed with a jump in the alphabet letters range a to z like 'a, c', 'b, d', 'c, e' and so on.
44. Ahead 'ad' shall be a coordination of pair of letters with a double jump which would be parallel to the features of (origin, dimension). This feature would work out coordination accordingly for any pair of letters with placements with double jump like ad, be, cf and so on.
45. Further ahead the coordination between first letter and fifth letter would be of the features of coordination of transcendence range as of 1-space and 5-space and also as of dimension fold and base of origin fold. Likewise would be the features of parallel coordination for pair of letters with triple jumps.
46. As $26 = 5 \times 5 + 1 \times 1$, as such this coordination format of first five letters is to provide the organization format from linear order to spatial order which shall be taking care of $5 \times 5 = 25$ jumps at a time because of which would get coordinated A and Z as 'AY' = Z.
47. Here, it would be relevant to note that $Z = 26 = (5 + 6 + 7 + 8)$, and as such a manifestation layer (5, 6, 7, 8), it shall be leading to 1-space as dimension transiting and transforming into 5-space as dimension at the end of the range.
48. AY, is parallel to the coordination of artifices 1 and 25 which would be parallel to the coordination of 1×1 with 5×5
49. AX, the coordination of artifices 1 and 24 is of the features as that $24 = 6 \times 4 = (5-1) \times (5+1)$
50. Here, it would be relevant to note that letter $X=24 = 6 \times 4$ for its this split feature of factors 6 and 4, is also availed for $X=10$ as that $10=6+4$.
51. Still further, it also would be relevant to note that $6 \times 4 + 6+4=34 = NVF$ (One)
52. Still further, it would be relevant to note that $26-24 = 2$ and as such artifices 26 and 24 are coordinated as (domain, dimension).
53. Further, it would be relevant to note that 8-space plays the role of origin fold of the manifestation layer (5, 6, 7, 8) with summation value 26 and that the ancient wisdom approaches *Vishnu lok* as affine 6-space in terms of 24 elements.
54. Further, it would be relevant to note that $NVF (W) = 23 = NVF (End)$. Also that $23 = 5 \times 3 + 3 + 5$. This way the letter 'w' has a unique placement feature. This letter 'w' with its pronunciation 'double

- u' is of the NVF value 'double u'=80 = NVF (Creator)= NVF (Letter).
55. Still further as that 'NVF' 'u, u' = 42= NVF (New) and that NVF (Creator) = NVF (New fire).
56. Still further as that NVF (Old) =31 is a linear order set up and NVF (New) =42, is a spatial order set up.
57. With it, the sequential coordination of letters w to z and z to w deserves to be comprehended fully and their values to be imbibed completely.
58. Coordination of letters 'u and w' is like 'dimension / domain' and (boundary / origin).
NVF (U)=21= NVF (Beam)= NVF (Edge)= $1 \times 3 \times 7 = 1+2+3+4+5+6+7$, and as such multiple features come into play which shall be helping reach at different co-ordinations of the alphabet letters with letter 'u'.
59. Likewise every letter is a bag of features.
60. NVF (v)= 22 = (4, 5, 6, 7) = NVF (go)= $11 + 11 =$ NVF (Bed bed) = NVF (A bag a bag) = NVF (Bee bag) = NVF (Ab egg) = NVF (Caged b) = NVF (Egg c) = NVF (D head) = NVF (E back)= NVF (F cage) = NVF (G face) = NVF (Dead h) = NVF (Age i).
61. Like that features' bags for artifices 10 to 20 may be chased as NVF (A bag) =11 , NVF (B bag), NVF (C bag) = age, NVF (D bag)=14, NVF (E bag) =15, NVF (F bag)=16, NVF (G bag) =17, NVF (H bag)=18, NVF (I bag) =19, NVF (J bag)=20, NVF (Bag bag) = NVF (Caged).
- 3. Transcend old / new area**
62. Another focus of NVF (Dictionary) should be upon transcendence from 'Old-New: Format'.
63. NVF (Old) = 31 is of the features of linear order 3-space. NVF (New) = 42 = a spatial order 4-space set up and NVF (Old new) = 73 = NVF (Format).
64. NVF (Transcend) = 98 = NVF (Old new area). To transcend 'old new area' would mean transcend the area of format itself.
65. NVF (Mathematics) = NVF (Square cube) = NVF (Light, light).
66. NVF (Light) = NVF (Old area), NVF (New light) = NVF (Transcend), NVF (Water) = NVF (New Area).
67. As such the range '1, 2, 3, 4, 5, 6, 7, 8, 9' may be exhaustively covered by approaching from one end along the transcendence range (1, 2, 3, 4, 5, 6, 7, 8, 9) and from the other end along the manifestation layer, in its reverse orientation (9, 8, 7, 6), followed by the transcendence range (5, 4, 3, 2, 1).
68. NVF (Full) = 51 and NVF (Zoom) =69 and as such NVF (Full zoom) = 120= NVF (Wholeness) = NVF (Four four).
69. Further as that
NVF (Past) = 56 = NVF (Light), and
NVF (Present) = NVF (Pre two)
= NVF (Pilgrimage) and
NVF (Future) = NVF (Mirror) = 91
and beyond that
NVF (Beyond) = NVF (Center) = 65.
70. These features of time line, 'past, present and future, and also (beyond)' shall be taking us to time cycle.
71. This shift from 'line' to 'cycle' is a shift from NVF as (40) to NVF (45) = NVF (1 + 2 + 3 + 4 + 5 + 6 + 7 + 8 + 9) as 'back cycle line' is a 'straight line' expression with NVF (Back cycle line) = NVF (Straight) = NVF (Two space).
72. These all features will help have transcendence from '**old and new**'.
73. It would be a blissful exercise to enlist different **grouped formulations**, particularly sequential formulations.
74. Of these the **paired formulations** like 'up down', 'yes no' and the like as well

shall be grouped and chased to comprehend and to have insight about their grouping feature.

75. The **integrated sets of formulations** like organs of the human body, parts of tree and the like as well deserve to be chased to have more insight about the Existence-phenomenon of 'Earth to Sun' range'.

Think, Meditate and Trancend ■

NVF (Transcend) = NVF (Axes, Axes). ■
