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Indian Knowledge Systems Group Level Action-Outcome Infographic

DR. CHAITANYA UGALE

Independent Researcher, Author, & Trainer,
CHAITANYATMA RESEARCH TRAINING & DEVELOPMENT,
NASHIK (MAHARASHTRA, INDIA)

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Abstract:

Compared to the modern Social, Psychological, & Management Sciences, on the group level action-outcomes, Indian Knowledge Systems like Vedic-Yoga Sciences reveals richer basics. The group level behaviour is broadly described in the Vedic-Yogic-Sanskrit literature. It was lived in the subsequent Indian culture. This further study on the group level is a natural extension of the already established individual level study. It was a Yoga Science based action-outcome infographic implying workmen's prosperity. On the individual level, if one has to surpass lower Matter Force & act from the higher Yoga level. Then, the Soul Force determines the person's outcomes. 'Group Level Soul Force' drives action-outcomes for them. The novel products of this integral research are the infographic. It presented the outlined phenomenon of individual's actions in groups, their resultant positive or negative conflicting forces, consequential group level soul force & depending on outcomes. The integral research method used a mathematical modelling to produce infographic. It was grounded on the established Laws of Magnetism. As resulted, the yoga level action by individuals forms a much stronger, integrated, harmonious group that can generate positive Group Level Soul Force for greater success. The multi-level researches in the Yoga-Management field unfolding deeper social phenomenon are limited. It can be concluded that this Yoga Science based perspective on group functioning may have lasting implications for the group level study fields like Psychology, Management, & Social Sciences. Modern social problems can look for the remedies in the Sanskrit literature.

Keywords: Indian Knowledge System, Group, Action-Outcome, Soul force, Infographic

Introduction:

Group or level interactions from IKS revised as below- "A strengthened soul can silently conquer all the viciousness in the world. Such soul's living community can attain terrific accomplishments by the synchronized, collective strength"(Fareed-Ma'at, 2012). This importance of latent Soul Force on both individual & group levels as recognized by Gandhiji further uncovered & projected into infographic in this study. This seemingly idealistic theory nevertheless exemplified by

Vedic civilizations like, “बयरु न कर काहू सन कोई रम प्रताप विषमता खोईसब नर कश्हि परस्पर प्रीतीचलहि सुधर्म निरत श्रुति नीति। Sri Rama’s majesty had annihilated all the disharmonies. All people loved each other & enmity hold by none towards another. They followed the path of consciousness, righteousness, & order as directed by scriptures”(Srivastava, 2016). “Dilemmas arise due to ignorance of reality, the fundamental human unity. Person acts according to viveka (conscientiousness) discriminating between dharma (order) & adharma (disorder)- Mahabharat. On the macrocosmic realm ‘rta’ (natural law) is the order governing universe, & on the microcosmic, mundane realm it is expressed as dharma (order in the world). Here, with the group as the unit of society, hierarchy takes for structured cooperation, both within & between groups. Order at large sets a normative ideal towards which the dharmic civilizations strive through culture”(M. K. Sharma, 2018). These teachings advice more orderly individuals & their group functioning. Modern infographic is a knowledge transfer tool that is graphical presentation of scientifically researched & methodologically concluded information. Based on wisdom from IKS, current study tries to uncover distinctive group level action-outcome infographic. It fundamentally contrasts the modern Social, Psychological, & Management Sciences in broad ways. The shared pursuit of societal wellbeing can form a common ground for integration among these fields.

An individual is the basic unit of the group. The individual’s & thereby their group’s actions determines the outcomes for the business & the society at large. *This group level study further builds upon following studies on individual level.* Theoretically, ““प्रकृतेक्रियमाण ःानि गुणैकर्माणि ःःसर्वशः। (B.G.3.27) highlights the lower material level with प्रकृति बल / matter force, “योगस्थकुरु ः कर्माणि(B.G.2.48) denotes higher yoga level with आत्म बल / soul force & “ब्रह्मार्पणं ब्रह्म हविर्ब्रह्माग््नौ ब्रह्मणा हुतम्श (B.G.4.24) symbolises the highest Unified Field/Brahman level with ब्रह्म बल /Unified Field Force””(Ugale et al., 2019). As previously modelled & applied, “*The Soul Force (Atmabal)*’ is its one of the outputs. The emergence, leverage, & utilization of ‘Matter Force’ from action rooted in Matter level (ARL3) are ordinary. The ‘Soul Force’ from action rooted in Yoga level (ARL2) is superior & the ‘Unified Field Force’ is the super most from action rooted in Unified Field level (ARL1)””(Ugale &Singh, 2020). This taxonomy of action-outcome on individual level is quoted through ought this study to clarify understanding of group level action-outcome.

Lord Sri Krushna’s dual classification of all humans is as “द्वौ भूतसर्गौ लोकस्मिन्दैव आसुर एव च। (B.G.16.6) “In the universe, depending upon dominant tendencies in one’s heart, there are only two classes of people, either as divine or as demonic, there is no third type. The demonic class takes birth only to destroy the world”(Swami Adgadananda, 1983, pp. 309–310, V.16.6-16.9). “दैवी सम्पद्विमोक्षाय निबन्धायासुरी मता । (B.G.16.5) the divine qualities direct towards liberation, whereas the

demonic qualities direct towards bondage. “एतां दृष्टिमवष्टभ्य नष्टात्मानोऽल्पबुद्धयः ।

प्रभवन्त्युग्रकर्माणःक्षयाय जगतोऽहितः । (B.G.16.9) Due to misconception of the body as the self, the less intelligent, misdirected demonic individual turn out to be of cruel actions & born merely for the world’s destruction. Extending this understanding, the company of noble men results in the divine group (DV) & the company of evil men forms the demonic group (DM). Therefore, the previously mentioned (ARL3) signifies the demonic, & (ARL2) signifies the divine levels. Degree of integrity & harmony or degree of diversion & friction between DV vis-à-vis DM group’s members can finally determine the strength & direction of the resulting **Group Level Soul Force** & its dependent perfection & prosperity. “आत्मना विन्दते वीर्यं / Atmana Vindyate Viryam: Strength & inspiration for excelling in work comes from the Divine through spiritual practises & selfless work”(Kashyap, 2019). This individual contribution of ‘आत्मबल / Soul Force’ needs integration into group as ‘समूहात्माबल / Samuhatmabal’ means **Group Level Soul Force, i.e. GLSF** so as to positively influence outcomes. Or else, the group may function from lower Group Level Matter Force (GLMF). Recognition of the modern context of the group level phenomenon & related problems is as follows- “As the cutting edge of science rapidly opens new realms of understanding about life & the nature of reality, it increasingly validates many of the teachings of ancient traditions in terms of human interaction & the interconnectedness of all things”(Leah, 2017). Such western studies acknowledged the authenticity of the ancient teachings in relation to inter human influences. This study wants to advance these observations & scientifically unravel both manifest & transcendental aspects of the group level human functioning. It is appropriately established in the eastern sciences. The social & psychological sciences are key contributors to group level theory building in the management field. The research gaps to be explored in this research are like- “Community psychologists study the phenomena that occurs at multiple levels of analysis, including individuals, families, groups, neighbourhoods, societies, & cultures. *Taking an ecological view invites complex methodological questions regarding how to capture group or setting-level influences on human behaviour & community change?*”(Jason & Glenwick, 2015, p. 335). To address such group level issues, author reviews, re-examines, reinterprets, re-validates, & info graphically represents the related wisdom from IKS.

As mentioned below, the GLSF is extensively recognized & applied in the IKS for collective actions & their subsequent achievements. “समना सदेवा” *People with same divine thoughts grow together. The team spirit within the organizations plays a vital role in high growth -Atharva Veda*” (Goswami & Mittal, 2013). “अल्पानामपि वस्तूनामए संहतिः कार्यसाधिका” means group of small objects may lead to task’s accomplishment. It is like the collection of grass threads, even though less in

number & individually weak but if united as rope can tie up mighty elephant. Group of people with similar origin provides well-being”(Pandit, 1951, p. 23 v.35–36). “*The combined force generated by masses concentrating on one subject creates tremendous impact. The resultant enhanced energy fills attendees with enthusiasm & drive for an activity*”(A. S. Sharma, 2017 p.113). ““संघम् शरणम् गच्छामि / Sangham Sharanam Gacchami”, I surrender to the group who knows the real meaning of life & have common feeling of social welfare, & community development beyond betterment of their livelihood”-Buddha (Shrestha, 2018). This study infographs how surrendering to Buddha (as per ARL2-ARL1), also means following the group (DV), & thereby strengthens the GLSF. It is a journey from fighting with total disorder & mismanagement (caused by ARL3) to taking shelter in the more perfect management & order/dharma (AOL2-AOL3). The universe functions in orderly manner & one can command & operate the same universal natural laws on the individual & group level through Yoga.

As per IKS, the authentic & authoritative account of the good/bad group level human influence & its consequences on success/failure further solidify author’s argument as follows- “परस्पर देवो भवः । Paraspar Devo Bhav” Raise divinity unto one another”(Kashyap, 2019). “Earlier, Valmiki had been a hunter & a highway robber till cultivated by the seven seers & eventually turned out to be a great seer & poet” (Saint Tulasidas, 1574, p. 24). Maharishi Patanjali’s experiential knowhow as, “अहिंसाप्रतिष्ठायां तत्सन्निधौ वैरत्यागः। (P.Y.S.2.3.5) One who is firmly established in the non-violence (Ahimsa), in such a company, even cruel creatures renounce hostility” (Setty A.G. et al., 2016). “Intellect goes down in company of the inferior men, remains equal in company of equal men, & enhances in company of higher intellectuals. The good qualities becomes good in company of noble men & the same turn into vices in bad company” (Pandit, 1951, p. 9,11, v.42, 47). “*The particles of various human ideosphere are being incessantly mutually absorbed by individuals entering each other’s fields (p.99). Upon interaction the mental tug of war takes place between the will power of two persons. One with the ideosphere having stronger bio magnetic force, more capacity, & potentiality dominates other(p.103)*”(A. S. Sharma, 2017).

Swami Vivekananda explains this group or leadership phenomenon. “There is the existence of the genuine power of the mind to influence other minds by consciousness propelled will-force. The world is one of influence. Except body preservation, every particle of our energy is continuously being used in influencing others. Our bodies, virtues, intellect, & spirituality, continuously influences others; & vice versa. *Yoga Science has discovered the laws which develop the influencing personality & by proper attention to those laws & methods, everyone can grow & strengthen the personality.* This is one of the great practical things, the secret of all education, having an universal application.....””(Pal, 2014). “The negative forces having fundamentally material power (-GLMF) are numerous, seemingly powerful, shallow, misleading & distracting yet spiritually & morally

weak. Though individually very powerful, they conflict amongst themselves thus they lack collective power in absence of sensible unification. Since *Pandavas* although few in number & low in force (GLSF), were well organized, methodical, balanced & aware of truth hence they finally become successful & victorious”(Swami Rama, 2008, pp. 21–26). “Order emerges from the perfectly symmetric, lowest entropy state of the unified field, not from fundamental random disorder” (Boyer, n.d.). As stated by these authors, the final infographic guides the way to order, & group level prosperity. These scriptural & masterly proofs on the group level action-outcomes mathematically modelled on the basis of the magnetism here. The participating groups can benefit by default by mastering this art & science,

“तात स्वर्ग अपवर्ग सुख धरिअ तुला एक अंगा तूल न ताहि सकल मिलि जो सुखलव सतसंग *In one scale of the balance, put together the delights of heaven & the bliss of final beatitude; but they will all be outweighed by a moment's joy derived from Satsang- the communion with the saintly men rooted in truth (ARL2-ARL1)*”(Saint Tulasidas, 1574, p. 769 V.5.1.4). “The sensation of peace or of Ananda is the symptom of satsang (p.28). Has anyone ever got anything great, without contact with the wise? *In any case, it is the company which determines the future of the individual. A man undoubtedly reaps the fruits of the company he keeps* (p.39). *Satsanga alone is the root cause of salvation* (p.53). One's enjoyments are determined by the quality of one's company. *The highest good was accomplished by all owing to their association, direct or indirect* (p.54). Who can indeed avoid the evils of bad company?(p.269)”(Haritayana, Vedic Times). The formula is “In order to select a life style for achieving a particular objective, one should identify & choose talented & successful individuals in the aspired field as role models, & interact with them with devout respect & humility & learn from them sincerely” (p.105) (A. S. Sharma, 2017).

Methods & Material:

“Epistemologically strong sciences also include theorems, lemmas, & assertions. A backbone element may be a theory, a concept, an idea, ***an integral research approach***, a system of axioms or a system of axiomatic requirements, etc” (Novikov & Novikov, 2013, p. 99). “Along with the fundamentals of Integral Theory, Integral Research (IR) considers the major methodologies of qualitative, quantitative & mixed research. It is an over-arching framework for studying social phenomena” (Carlgren, 2017). *Stemming from Sri Aurobindo's integral vision & not following later alterations by Ken Wilber, for Yoga Science, integral considered to be the view from the elevating levels of consciousness*. By adhering to the IKS based integrated Yogic evolutionary viewpoints spanning entire field of existence, one may find entire group level phenomenon. Hence this group level study explored with an ***integral research method with the aid of mathematical tools***. *Here there are not any hard tools but loose ways of integral thinking & seeing guides the research*. This choice enabled to address multilevel, multidimensional challenges regarding group level action-

outcome.

The used mathematical tool has characteristic being “A First-Principle Models based on physical laws, which is descriptive, & explaining material parameter values often not known (measurements). The Metaphor used by forming mental image of situation being modelled, which symbolizes the problem, using concepts & analogies”(Aarts, 2010). Similarly, the group level parameters are impractical to measure in this yogic context. So by building upon previous models on individual level & by using IKS case studies as metaphor & based upon the established laws of magnetism, current study arrived at possible reliable proofs. The choice of mathematical modelling into the IKS based group level phenomenon can methodically bring it at par with the current western sciences. In similar context, “Mathematical Sociology is treated as the application of mathematics in explaining complex social realities”(Singh & Banerji, 2015) & also “Mathematics is the language or medium which can express the principles of physics with exactness & precision”(Dongre & Nene, 2016, p. 9). These researchers have successfully cited it before with Maharishi Kanad’s ancient laws of Karma & Newton’s laws. Accordingly, the Laws of Magnetism applied in unfolding complex Yoga Science based group level action-outcome. This can be the novel research method for the group level or socially applied Yoga Science. *The blending of the concerned indigenous group dynamics towards final model is assumed as follows-*

“सक्ताः कर्मण्य विद्वांसो यथा कुर्वन्ति भारत । कुर्याद्विद्वांस्तथासक्तश्चिकीर्षुर्लोकसंग्रहम् ।
(B.G.3.25) The wise men continues to act unattached (AQL2), to outcomes (AOL) pursuing the nourishment & protection of the world (AOL2) while the ignorant act with attachment (AQL3) to outcomes (AOL3)” (Jurewicz, 2016). “(Lord Shiva declared to listening O Goddess Bhavani), *ऋधु अवग्या तुरत भवाजी कर कल्याण अखिल कै हानी । Disrespect to a saint immediately robs one of all the blessings*”. Demon King Ravan (ARL3) humiliated his younger brother & minister Vibhishan (ARL2) upon counselling him to reject demonic ways of ruling & opt for divine means. As soon as Vibhishan with like-minded ministers (DV) left demon King Ravan for Sri Ram (ARL1), the doom of Ravan & demonic clan (DM) was sealed (AOL3- death to all fixed)”(Saint Tulasidas, 1574, p. 804 v.5.1.41). Ramayan & Mahabharat cases suggests that *human has options whether to choose between (ARL2) over (ARL3) & forming such groups. As “कर्मण्येवाधिकारस्ते...Karmanyevaadhikaraste”- action is individual’s authority, “मा फलेषु कदाचन। Ma phaleshukadachan”- outcome of chosen action (AOL) is beyond individual (B.G.2.47)*. At any instant individual’s action can happen only either through (ARL3) or (ARL2) extending up to (ARL1) channelizing the corresponding forces governing outcome levels (AOL)”(Ugale et al., 2019).

After modifying Swami Rama’s commentary, the added assumptions for final infographic are as follows- “In this righteous battle of life, eldest **Kuru Duryodhan (ARL3)** an evil, destructive, &

unjust leader leads the negative forces of entropy, & destruction (*-GLMF*) resulting in (*AOL3*). Positive opposing force of *Pandavas* (*ARL2*) although materially weak leads to consciousness (*AOL2*). They collectively represent the positive qualities, spiritual & moral strength (*+GLSF*). *Both these dormant positive & negative opposing forces reside in human heart*" (Swami Rama, 2008, pp. 21–26). The individual's influence in a group may result in either Satsanga-company of noble, truthful men (*ARL1-ARL2*) creating '+ GLSF that is Life Nourishing Influence' or Kusanga-company of evil, ignorant/untruthful men (*ARL3*) creating '-GLMF that is Life Destructing Influence'. The ultimate GLSF is product of the dominant influence in the group.

"Case study from the Puran, the story of Lord Dhanwantari, the positive (DV) & negative (DM) forces of nature represented at each end of a giant snake (Vasuki) that encircles the mountain (Sumeru) suspended in the ocean. *These forces showed both as being together & yet tugging against each other (ARL). Their tugging spins the mountain back & forth churning the ocean repeatedly resulted in emergence of Lord Dhanwantari, with the elixir of immortality (Amrut –AOL1) filled in a pot. The ocean described here is the unbounded ocean of consciousness, the field of pure consciousness. It is a field of perfect symmetry & balance; the self-interacting dynamics of this field (ARL1-AQL1-AOL1), give rise to all the laws of nature that uphold the processes of creation, evolution, & dissolution in the universe. Enlivening the infinite silence & dynamism*"(Dillbeck, n.d., p. 44). Similarly, the groups in business organizations & society can be positive & negative forces but ought to work together.

Symbols & terminology assumed & used as–

- Or = \oplus , Friction = μ , Weak = $\downarrow\downarrow$, Strong = $\uparrow\uparrow$
- Yoga Level Action = *ARL2-ARL1*, Material Level Action = *ARL3*, Group Level Material Force (*-GLMF*), Group Level Soul Force (*+GLSF*), Satsanga/Company of Noble Men (Life Nourishing Influence) = \cup , Kusanga/Company of Evil Men (Life Destructing Influence) = \cap , Dharma/Order in Group = \odot , Adharma/Disorder in Group = \otimes , Magnetism = Successful, Prosperous, Peaceful, Consciously Elevated Outcomes = M, M at maximum = Siddhi/Perfection = \odot^*

Further to "*Weber's Theory, Magnetism Facts, the bracketed assumptions, symbols & terminology used*, the equations are –

1) Every molecule of magnetic substance act as 'Molecular Magnet' (i.e. every individual as the basic unit of the group)

2) 2 types of People = (*ARL2-ARL1*→DV) \oplus (*ARL3*→DM)

3) Lines of Force or "Magnetic Flux" Phi (Φ) = Influence" (n.a., n.d.).

The 3 possible groups & influences/forces are as follows-

If a group (Full Magnet $\Phi = 100$) has 100 individuals (each as Molecular Magnet $\Phi = 1$), then, the final influencing force can be -

Group Case- I - Φ = (DV100% DM 0%) \rightarrow (100 0) = 100 (+GLSF)

Group Case- II - Φ = (DV 0% DM 100%) \rightarrow (0 -100) = -100 (-GLMF)

Group Case- III - Φ = (DV 1% to 99% \oplus DM -99% to -1%) \rightarrow (1 to 99 -99 to -1) (+GLSF - GLMF)

4) Repetition of Magnetization (Yogic Practises & Dispassion) = ARL2/ARL1

5) ‘Molecular Magnet’ in Magnetised State (Group’s Integration & Harmony) =ARL2/ARL1 \rightarrow DV \rightarrow U \rightarrow \odot \rightarrow (+ GLSF) \rightarrow M $\uparrow\uparrow$

6) ‘Molecular Magnet’ in Un-Magnetised State (Group’s Diversion & Friction) = ARL3 \rightarrow DM \rightarrow \cap \rightarrow \ddot{z} \rightarrow (- GLMF) \rightarrow M $\downarrow\downarrow$

7) Magnetic Saturation (Siddhi/Perfection) = (M $\uparrow\uparrow$ \rightarrow \odot)

Results & Discussion:

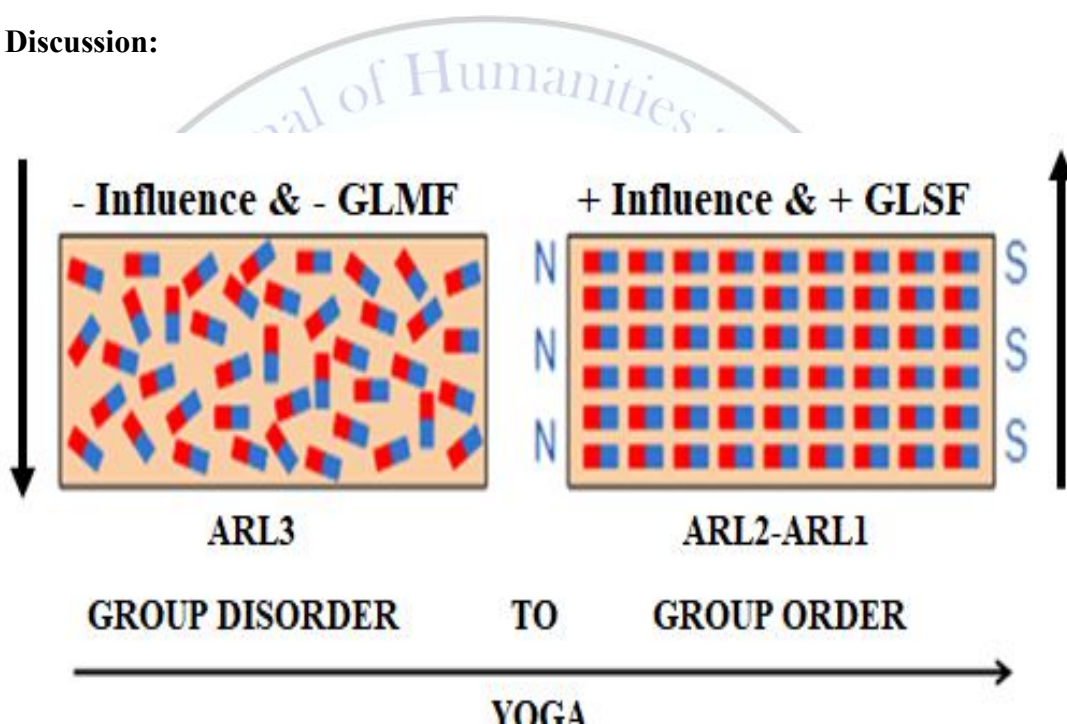


Fig.1 Yoga Level Action from stillness of mind (ARL2-ARL1), implying Disordered to Ordered Group & going from weak -GLMF to Strong +GLSF

Added the company of noble men plays decisive role in group’s integration, harmony & order. It decides the final force that determines group’s outcomes like prosperity, peace, success & conscious elevation. Extending upon wisdom from IKS explaining the group dynamics, the mathematical modelling based on the Metaphor & Laws of Magnetism facilitates the development of the Yoga Science’s Group Level Action-Outcome Infographic as depicted below in the figure 2.

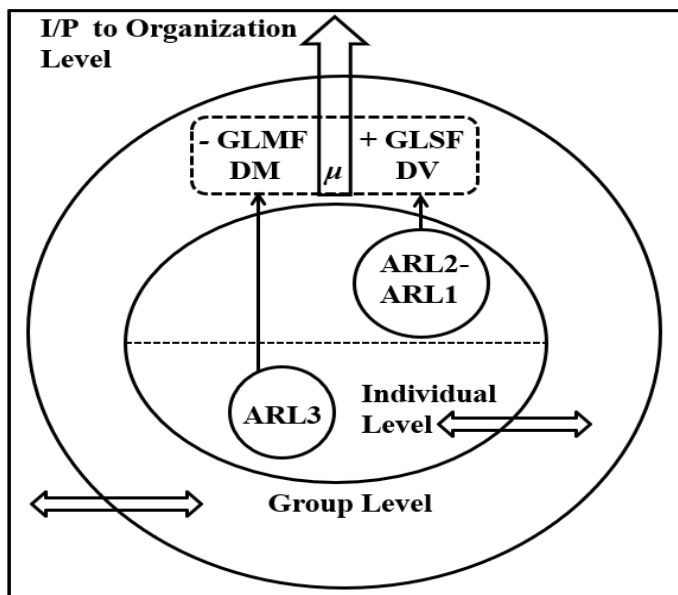


Fig.2 Yoga Science's Group Level Action-Outcome Infographic

Based on the scientific mathematical proofs laid on the laws of magnetism, this Yoga Science's Group Level Action-Outcome empirical outline illustrates the way individual's action levels influence their group's outcomes. The matter level action forms DM & the yoga level actions form DV. Friction takes place between these two forces. The dominant force between - GLMF & + GLSF decides the resultant group level force.

The company of noble men is preferable over evil men at all the times for the highest good. Yoga turns disorder into order in the person & thus in their groups. The orderly force is the powerful group which can taste real success. Such a divine group producing positive life nourishing influence causes much stronger GLSF over weak GLMF produced by the demonic group producing negative life destructing influence. The positive forces multiply exponentially by means of yoga. The group level output force GLSF/GLMF becomes the input to the organizational level. The strong GLSF aids in group's success & prosperity & hence recommended for the working groups.

This group level study extended upon the individual level action-outcome studies of (Ugale et al., 2019) & (Ugale & Singh, 2020). The integral research using mathematical modelling added to the magnetic theory validated the IKS based yogic science's action-outcome infographic on the group level. The study charted out the means to the ends for the human groups. From IKS, Ved Vyasa (N.D.), (Haritayana, Vedic Times), (Pandit, 1951), (Swami Adgadananda, 1983), (Swami Rama, 2008, pp. 21–26), (Srivastava, 2016) & (A. S. Sharma, 2017) etc. classically narrated the inputs of group level action-outcomes. In infographic it is simplified, modelled, synthesized & made currently relevant using modern research method. This research method can be novel to the Yoga-Management's group level & social studies. (Sharma, 2018) gave natural hierarchy & order as Dharma– Transcending Biology which formed as a key theoretical block for this group level order-disorder.

(Goswami & Mittal, 2013) compared Vedic business excellence model with the western models. In contrast before conceptualizing the organizational level model this study initially worked out & info graphed the group action-outcome dynamics. The important human influence narrated by (Pal, 2014) validly established in the current study. (Shrestha, 2018) highlighted the superiority & usefulness of philosophy of Buddhists Economics in people's daily life linked with business, production, cooperatives & agriculture. Additionally, the current study scientifically modelled the group dynamics with yoga/union as the very basis of cooperation, righteousness, & appreciable outcomes.

The conviction of Gandhi as stated by (Fareed-Ma'at, 2012) about the strength of truth turning in group's power for societal wellbeing was empirically established in this study. The Community psychologists (Jason & Glenwick, 2015, p. 335) highlighted importance of studying group level influences on human behaviour & community change. These studies are critical pertaining to the multi-level, multi-dimensional complexity in these phenomena. This study tried to simplify these complexities by means of a single, simple, empirical infographic with IKS & modern scientific proofs of group levels influences & their outcomes. The emphasis of (Singh & Banerji, 2015) about applied mathematics in clarifying complex social realities in Mathematical Sociology & of (Dongre & Nene, 2016, p. 9) pointing the role of mathematics in physics to bring precision, & exactness, & meaningful connections duly executed here. (Dillbeck, n.d., p. 44) reported case study of positive & negative forces through Purana story. This study modelled & validated this magnetic tug of war of disorder vs. order & frictional outcome of these forces for the groups.

Conclusion:

The practise of the yoga-based actions caused strong GLSF that can ultimately & successfully lead to group's total human goal attainments. The IKS based Yoga Science's multi-level, multi-dimensional & complex group level action-outcome dynamics in a simple infographic can uncover many group level mysteries in social & psychological, & management sciences. The positive or negative group forces can have lasting implications for the groups, organizations & society on their action-outcomes, prosperity, health, existence & overall life. Further studies can be taken on the organizational level action-outcome functioning. This unique unfolding of Yoga Science based action-outcomes on group level may initiate circumstantial review of modern yogic, social, psychological, & management sciences. It can pave a way to integrate related eastern-western sciences & to find solutions to stated social challenges through IKS based infographic. The current relevance of Indian Knowledge System's Vedic-Yogic wisdom in Sanskrit is evident. This study with novel research method can also be treated as a method article & contribution in advancing Yoga Science's social applications.

Conflict of interest - Nil

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