

## Exploration

# Cosmic Intelligence, Its Manifestation & Humanity (Part V)

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### Abstract

This series of articles are further syntheses of “Singularity & Its Manifestation (Part I)” published in Journal of Consciousness Exploration & Research 4(8). The intention of this synthesis is to stimulate the imagination & introspection in others about this mysterious process of creation. Apart from dwelling on the subject ‘how we got here, and where we are going’, some rational steps forward in our onward journey shown by some scientific mystics find a place here. I hope the above purpose has been fulfilled through these pages.

Part V of this five-part article contains: 17. Validations from Modern Science; 18. Conclusion; Acknowledgement; Glossary; Points to Ponder; and Epilogue.

**Keywords:** Divine, God, singularity, absolute, universe, cosmic aberration, manifestation, Laws of Nature, laws of universe, evolution, Big Bang, big crunch.

## 17. Validations from Modern Science

Even great scientific mystics like Einstein have found it very difficult to establish their personal philosophical beliefs amidst objections from rationalistic logics.

In the Newton era when the scientific probes were conducted on the matter & forces at the gross level, scientists were able to predict & control with confidence. This encouraged all of them to look out for an intelligent design behind the evolution process itself. But when discoveries were made in the Einstein era at the quantum levels, scientists found it difficult to offer meaningful explanations even to their own findings. It became more & more clear, that meaningful answers to life & its existence lie with the unified knowledge of science & spiritual .

Although Einstein was a major contributor to quantum physics, he could not convince him self about the implications of what his quantum theory eventually predicted, namely, that nature was fundamentally random and unpredictable at its most basic levels in the atomic arena.

Einstein believed in the God of Spinoza.

Einstein, when asked if he believed in God, proclaimed that he believed in the God of Spinoza, Jewish philosopher. Einstein carefully studied Spinoza and used his understanding of Spinoza to understand nature and the working of the Universe. Spinoza taught that, God is ‘all that exists’ & each of us is a modification in the body of God. Today quantum mechanics is confirming this holistic view of the Universe. The only purpose of life, according to Spinoza, is to love God. We

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love God by emulating Him and understanding Him and His laws. In the process we maximize our creativity

Einstein tried to convince himself thus:

“God does not play dice with the Universe”, that in nature there was a fundamental and unavoidable interaction between the observed and the observer such that it was not possible to observe anything in nature without disturbing what we were observing.

Einstein continued: “God is subtle, but not malicious”.

Niels Bohr responded to these objections from Einstein thus’

“Stop telling God what to do!”

Looking into the following statements, there remains always a doubt as to why the Big Bang has taken place at all. Is it a Gambler’s move or a Boon, from the Almighty?

“God does not play dice” has been Einstein’s main conviction

“But the evidence is that God is quite a gambler” Stephen Hawking.

For the scientists who are non-believers, the quantum **uncertainty** is the theoretically established field reality that raises questions about a basic universal order. But the believers among the scientists like Einstein proposed the “**hidden variables theory**” by postulating even faster-than light correlations in an effort to prove their conviction in a basic order in creation.

Subsequently proposed theory of “**charge parity violation**” maintains that the “**quantum foam**” – **cosmic nucleus** - was in cosmic equilibrium with total cancellation of charges of both matter/antimatter contents of its complementary pair –**charge conjugation** - & also due to the true balancing of deviations in its orientation - **parity** - . It is the **quantum fluctuation** that caused the emergence of the Universe from the nucleus.

*The spirituality of the Upanishads reveals that the Universe came to being because of the **cosmic desire** urges of the primordial complementary pair - **cosmic nucleus** & the Universe is sustained eternally by matter and consciousness elements working in complementary pair mode. This “**charge Parity violation theory**” validates this Vedic view on the complementary pair phenomenon of the divine.*

Einstein on the need for freedom of thought.

“If the possibility of the spiritual development of all individuals is to be secured, a second kind of freedom is necessary. The development of science and those of the creative forces of the spirit in general, requires still another kind of freedom, which may be characterized as inward freedom - ethical freedom of the spirit / thought from the interdependence of restrictions from the authoritarian and social prejudices as well as from un philosophical routinizing - dogmas in general. This inward freedom is a rare & an infrequent gift of nature and a worthy object for the individual.” –Einstein.

His message to the society is: “Relativity teaches us the connection between the different descriptions of one and the same reality”

Since the time of Einstein lot of developments have taken place in the fields of science & consciousness that has brought these ideologies closer together.

Even though quantum mechanics says there are limits to our ability to predict, science can now predict the averages / trends of all the random fluctuations at the atomic level. These averages make up the everyday world of objective reality at the macroscopic level. This is the world in which we live and experience. This is the world we directly perceive. Within this world quantum mechanics enabled us to predict chemical behavior, which is the average interaction of many billions of atoms, as well as control with lasers, superconductors, and super fluids. These last three creations are examples of macroscopic quantum phenomena.

Randomness is not a major concern now because of these developments.

### Dark Energy’s DNA Origin

DNA and living organisms emit bio photons, whose radiation is coherent and blackbody, i.e. not thermal. DNA’s bio photonic emissions provide a holographic bio field for the generation, of physical structures. A seed, for instance, changes it self-from a particle state into the tree’s bio field for the purpose of self-reproduction. From the systems point of view a seed or genotype constitutes the input for the tree or phenotype the system’s output.

According to Systems Cosmology if we reverse the expansion of the Universe in time, we’ll find that the Universe does have a seed origin. In other words we’ll find that a cosmic seed or cosmic DNA constitutes the genotype & the Universe the phenotype tree. Also we’ll find that just as a tree is the seed’s way of making reproductions of itself, the Universe is the cosmic DNA’s way of making reproductions of itself.

In a way, we’ll find that life constitutes the cosmic systems input & output. Thus the observation of a tree system allows us to infer that our Universe yields life because the Universe it self-is the product of a seed of life. Based on this inference it is logical to propose that evidently dark energy also called vacuum energy or zero point field is the cosmic DNA’s life energy. Predictably dark energy that fuels the expansion of our Universe is the same as the quantum vacuum’s zero point energy, as well as the cosmic microwave radiation. The reason is that they all seem to originate from the cosmic DNA’s bio photon emissions, whose blackbody radiation provides a holographic bio field for the generation of the physical Universe.

Based on the fact that the bio photonic radiation emitted by DNA is coherent we may predict also that the cosmic DNA’s bio photonic field or “dark energy” is equally coherent.

Kazmer Ujvarosy:

The Universe is not made of solid stuff but composed of acts of consciousness that observe & recognize it.

There is a mind field present in all to recognize the same.

Everything in the Universe is made up of 'luxon' various types of light, electrons, quarks & other sub atomic particles - components of DNA.

We do not find obvious evidence of life or mind in so called inert matter...; but if the scientific point of view is correct, we shall ultimately find them, at least in rudimentary form, all through the Universe.

J. B. S. Haldane:

Mind or something of the nature as mind must exist throughout the entire Universe. This is, I believe, the truth.

Julian Huxley:

The laws of physics leave a place for mind in the description of every molecule... In other words, mind is already inherent in every electron, and the processes of human consciousness differ only in degree and not in kind.

Freeman Dyson:

That which we experience as mind... will in a natural way ultimately reaches the level of the wave function and of the 'dance' of the particles. There is no unbridgeable gap or barrier between any of these levels... It is implied that, in some sense, a rudimentary consciousness is present even at the level of particle physics.

David Bohm:

Mind is not contained in the body, rather the body is contained in the mind - its space field - and the both are not separated from each other

We become more aware of what is happening to our lives by steering away from strictly material goals & then can gain more insight into the mind, life itself.

This Author:

The purpose of life stems from 'God wanting to have this experience' through us we all sense this desire to have life as soon we stop desiring these kinds of dreams, cycles etc. things will come to stand still.

Fred Alan Wolf:

Quasi-religious Theory (based on a quantum theory of consciousness by the British physicist Sir Roger Penrose) says, the essence of our soul is contained inside microtubules within brain cells. Our experience of consciousness is the result of quantum gravity effects in these microtubules. Thus it is held that our souls are more than the interaction of neurons in the brain. They are in fact constructed from the very fabric of the Universe and may have existed since the beginning of time.

The concept is similar to the Buddhist and Hindu belief that consciousness is an integral part of the Universe, and indeed that it is really all there may be, a position similar to Western philosophical idealism

In a near death experience the microtubules lose their quantum state, but the information within them is not destroyed. Instead it merely leaves the body and returns to the cosmos.

“Let’s say the heart stops beating, the blood stops flowing, the microtubules lose their quantum state. The quantum information within the microtubules is not destroyed, it can’t be destroyed, it just distributes and dissipates to the Universe at large,” Stuart Hameroff.

The nature of life is not mortality. It is immortality. The DNA is an immortal molecule. That self-same molecule right from Big Bang is around even today through replication over millions of years. Nature perhaps has programmed it self-so that the body alone dies at old age. If we understand our brain & body well enough we can reprogram our self-to live longer, perhaps even indefinitely.

William Haseltine:

By 2100 Nano tech scientists envision making a molecular machine - nabot - a ‘replicator’ capable of copying anything. But the problem is the sheer number of cell/neuron molecules (trillions & trillions) that have to be organized while copying an object. The first & only hurdle is to make a Nano molecular robot ‘nabot’ that will replicate itself. The rest amounts to mere replications in others over & over.

### **Point to Ponder**

From the standpoint of human scientific progress such creation amounts to insurmountable tasks whereas nature has made this spiritually possible i.e. maybe even as simple as thoughts materializing into objects through coherence, using its cosmic wisdom to programme creation in such a manner that the parts of the ‘all potent’ cosmic nucleus themselves form the basic building block of all that exists - yoga. - meditation

Western logic relies on realistic analysis of any matter & found it difficult to understand Indian philosophies based on mysticism & metaphysics. But these recent scientific findings make it easier for them to follow the mystical logics of the Upanishads that form the basis of Hindu philosophy. Meditation & Yoga are becoming day to day activities now.

Hindu philosophy is the only one of the world’s great faiths dedicated to the idea that the cosmos it self-undergoes an immense, indeed an infinite, number of births & deaths. It is the only religion in which the time scales correspond to those of modern scientific knowledge” - Carl Sagan

It dwells on all the evolution stages namely, survival of the fittest where the might is right, the ethical stage that assures individual freedom, the moral stage that aims at organized progress through norms, mandates etc., the secular stage that leads to productive bliss where the norms are voluntary accepted & the spiritual state that nurtures self-realization..

Vedantic philosophy of India - dwells on the importance of practicing two of its major aspects, **Mysticism & Humanism** with equanimity. The first one aims at **‘being the Self’** that means leading a life with divine attributes i.e. a life with a right relationship with nature & ones natural attributes, thereby enhancing nature’s resources in **harmony & love. - co-creation**. The second one, **‘becoming the Self’**, aims at acquiring the knowledge of nature in its right relationship with your fellow beings & environment. This is a spiritual overview of the **self-realization** process.

The first one without the second is sterile & the second without the first lacks valid meaning. Because of this equanimity, Hindutva philosophy based on the upanishads held a supreme position among others even though it normally suffers a general criticism that its theories are not based on logical reasoning but on religious dogmas. But in its anxiety to hasten towards the more productive goals through spiritualism the Vedanta of the 19th century India tilted too much towards mysticism & lost sight of humanism - the phenomenal powers of collective human will & creativity. The Moral /mystic prerogatives / ‘rights & wrongs’ that were brought into the society as social norms were mistrusted as superstitions - tactics used for social exploitation etc. due to lack of validations of those norms by the scientific developments available during that period leading to the disintegration of its society ending in Hinduism being branded as a religion of fate & destiny.

Two major delusions crept into its fold during that period:

1. The mainstream of the society held the belief that liberation from worldly bondage was a means to avoid worldly sufferings & rebirth. This definitely is not a valid cosmic intent at all. On the other hand the Upanishads maintain that one should strive to live a blissful worldly life as a co-creator to fulfill the above intent.
2. The society believed that the creator can intervene & set right the hurdles and anomalies faced by the individuals, when prayed for. The Upanishad maintains that the creator has only initiated the evolution cycle that carries on in eternal cycles on its own. Then onwards he remains only a passive silent witness. He provides abundant natural resources that empower the individual & the collective consciousness adequately, to deal with all such situations. The collective consciousness may even empower it self-to emerge as an avatar as a savior in the affected environment as & when the need arises.

Optimum blend of mysticism & humanism only holds the key to the worldly progress.

To our satisfaction the present day scientific researchers validate the philosophy of the Upanishads & its main axiom ‘let Me be many & savour the diversities’. & now the Universe becomes a place of possibilities!

This should take us to newer frontiers devoid of such delusions.

## 18. Conclusion

What is right is right because God says so, according to the true believers. The philosophers argue their case in more elegant terms, but when you get to the depth of what most of them say, it’s usually about how one can reason one’s way into discovering and then defining reality.

Darwin's theories of evolution provide an antidote. "Human societies evolved as did other species, not according to some preexisting design, but in response to the immediate environment their members encountered. There is no master plan. That means we only muddle along, constantly adapting to changed circumstances".

This is a tough pill for most people to swallow. When we start on a journey we like to know where we are going. And we feel reassured if we have someone we trust to guide us. The idea that we are stumbling along on a long trip through time, entirely on our own, can leave us feeling a bit scared. Where does that leave us?

The breakthrough advances made in DNA research answers most of the riddles in the evolution theories. Science can answer without ambiguity 'how' DNA, for that matter everything, is functioning. But the answer to "why", has to come from mystic intuitions only.

Science & mysticism themselves are two complementary ethics fundamentally united by the yearnings of human consciousness for understanding the relation between the cosmos & creation. These two sharply differ in their pursuits. Science uses its ability to distinguish between self & the non-self by objective & dispassionate logic. Mysticism in contrast invokes consciousness to achieve the unity of the self-& the non self.

*Science without religion is lame & religion without science is blind.* Einstein

These thoughts lead us to the following:

Laws of Nature are the laws of singularity, the non-contingent source, - the divine laws that govern the universal orbits with precision - the precise laws of the cosmos, the scientists measure with accuracy - the precise parameters of the genotype cosmic seed of the Universe. Singularity is the stabilizing factor & the sentient aberrations of the cosmic nucleus, the controlling entities of the Universe.

Laws of the Universe are the Laws of the aberrations of the nucleus - - the laws of the phenotype tree - - the contingent Universe in growth/decay cycles - -the panorama of 'cause & effect' contingencies savored by the source 'as many' - -.

The God principles - (sanathana) - eternal life principles - function in micro & also in macro levels.

The evolution is all about urge of the cosmic desire & the consequent release with the Big Bang, of the manifesting vitality from the head portion of cosmic nucleus, i.e. 1/4th of its portion as its aberrations, as mass/vitality unions. These aberrations have the inherent potentials independently as parts of the invincible nucleus for projecting & exploring new horizons on their own. But one has to realize & understand that the absolute desired this exploration be pursued as activities of 'one & also of many' simultaneously. This actually is the nature's inbuilt contingency that means each one has to explore the panorama as belonging to one common source. The collective consciousness holds the key for the realistic projection of this 'oneness' character of nature's panorama.

During the evolution progress the released masses regain progressively the coherence, the primal mass's base virtue (the self-healing vitality) that got disturbed by the reverberations of the **Big Bang**. That means the masses of the Universe progressively gain more & more of the evolution intelligence. At the same time the evolution vitality of the Big Bang that sustains the complementary pairs mode functioning in all the aberrations progressively reduces till involution. Ultimately when this vitality comes to an end the matter/antimatter elements of the complementary pairs are unfolded from their unions & get attracted to the source of their origin namely black hole & white hole respectively in cosmic attraction - **big crunch** - . This leads to their ultimate annihilation with an energy burst - **big bounce** - to form a new Universe. This cycle goes on by its own momentum eternally.

Where are we now & how we are heading?

According to Hindu scriptures, the evolution vitality will be progressively depleting till it comes to an end at involution - -end of the cosmic cycle - big crunch - pralaya - . According to them we are in the last quarter of this evolution cycle with 25% of its stabilizing vitality. Let us not despair. In a spiritual sense, this big crunch leads to the big bounce marking the continuation of the present evolution process with newer projections.

Now comes the Big Question. After big bounce, then what?

- a. Will an entity continue in existence as before?
- b. Will it take a new form/life?
- c. Will it merge with the cosmic mass?

The one answer!

Stronger its dispassionate free will, the more is its invincibility.

The hierarchy of the biological evolution is explored from single celled plants through to humans by examining how the various levels keep a resonant balance in the biosphere. It is apparent that human activities are seriously disrupting the balances of many kinds in nature. Being at the summit of the evolutionary hierarchy the human species subsumes all life in the biosphere. We, the human species should also begin to appreciate a far more meaningful worldview essential to our spiritual survival as individuals as well as to our collective survival & be in balance with the natural world. This means a big responsibility rests on our shoulders during our present explorations of newer horizons.

Looking back at the evolution progress thus far, we can realize that the level knowledge acquisition & hence the co creation faculties in the individuals & environment has been on the increase. The coherence level in human beings is synonymous with creativity & overall desire fulfillment. The benefits of the accumulated knowledge perpetuated & preserved all along through transformations & transmigrations, have contributed to the ongoing progress. However, the prospects of a progressive depletion in the holistic vitality & stability leading to the ultimate cessation of activities can be a matter of great anxiety.



*The innate rhythmic action (satva) traits of beings may however withstand this instability whereas the innate over action traits (rajas) by their very nature are more prone to its adverse effects compared to the under action (tamas) traits.*

The quantum science also contributes to this anxiety by raising doubts about basic order in micro levels by declaring that this fuzziness in nature is yet to be resolved. The most we can hope for from rational science is for solutions to calculate the ‘**probabilities**’ as to where things will be and how they are likely to behave.

.For the scientists who are non believers, the quantum **uncertainty - random variables** - are the theoretically established field realities & for them there is no need for further investigations. But the believers among the scientists, who are intuitively not convinced, maintain that there has to be an underlying deterministic foundation that sustains the basic order. They have proposed the “**hidden variables theory**” postulating faster than-light correlations between entangled particles in the Universe, to prove their conviction. The debate is going on.

The developments at CERN Geneva & the “**charge parity violation theory**” have established that the **quantum foam - cosmic nucleus** - remained with absolute charge neutrality when the **quantum fluctuation - cosmic desire** initiated the **Big Bang** & total parity prevailed within the complementary pair elements of all the aberrations at their disintegration from the nucleus. Hence the Big Bang, the creation process itself, amounts to be an orderl event rather than a random explosion.

The ancient Vedic philosophy had been optimistic with its philosophy that the eternal self-sustaining evolution cycle with its inbuilt order is programmed to be sustained by the phenomenal active vitalities of the ‘collective consciousness’. This optimism only makes the Universe an environment of ‘possibilities’. There is thus no room for despair.

Need of the hour:

The scientific specialists look at the evolution as the dissipation of **oneness** into the growth of many as random **variables** in disorder whereas the scientific mystics view the same as the convergence of all the transient **hidden variables** back to the **oneness** with some basic order, with optimism. **Scientific specialists** have done their best to reveal to us in detail about the functioning of the Universe, ‘**Big Bang & after**’ & it is now up to the **scientific mystics** to close in on the theories on unification of all the laws of nature & its implications - ‘**big crunch & before**’.

Having reached this far, all scientists, instead of doubting & debating the “**intelligent design**” should resort to their ‘**intuitive**’ deliberations & hasten to resolve the mysteries with conviction. ‘**Objectivity**’ will vainly direct their investigations towards more ‘**manmade Big Bangs**’ only!

### Point to ponder

*Probabilities to science & Possibilities to mysticism are expressions that depict unpredictability. Had the creator desired ‘let there be many & they savour uniformity’ instead of ‘let me be many & savour diversity’, science might have found it far more easy in dealing*

*with the mysteries of the Universe!. Mysticism projects an optimistic environment of the creator without ambiguity.*

*Intellectual integrity made it quite impossible for me to accept the dogmas of even the great scientists. Indeed those intellectuals who accepted some intrinsic beliefs were abdicating their functions for the joy of feeling themselves one with the herd. Bertrand Russell*

### **Acknowledgement:**

I recently read a book “**Why science does not disprove God**” by Amir D. Aczel - research fellow in the history of science at Boston university - & would like to record my appreciation for his scientific credibility & argumentative vigor where he admits that he did not intend to prove the existence of God and in fact he also admits that God of literal interpretations of various scriptures certainly do not exist. But rather argues that science has not disproved the existence of God. His journey through science is with profound details. His quest for unraveling the mysteries of the origin of the Universe, evolution & after, is very much evident from the beginning to end. He finally concludes by emphatically disapproving the manner in which the prominent British evolutionary biologist Richard Dawkins & his ‘New Atheists’ were using science as a tool to prove their view points.

To my satisfaction I can say that I also went through a similar journey in my limited way, but have come to the conclusion that these very same findings are also validating the Vedic axiom of the Hindu Upanishads - ***God desired “let Me be many” & thus the Universe came to being.***

### **Glossary**

Parabrahmam: The almighty - cosmic nucleus

Upanishads & Vedas: Ancient Hindu scriptures.

**Karma:** Naturally ordained actions of the aberrations. The almighty, the cosmic nucleus, desired to become many & savour the diversity, as ‘one & also as many.’ Thus He sprang up as many aberrations, sentient & non sentient etc. that comprise the Universe, with the intent to savour the universal delight through their energy dissipations. These vibrations & actions of beings & entities are referred to as karma in Hindu scriptures.

**Duality:** Existence of an entity as a complementary pair i.e. as a pair of an active component stabilized by its spontaneous passive complementary one.

**Atman:** The consciousness - the faculty bestows awareness to the non-sentient matter to become a sentient matter – soul.

**Soul:** Sentient matter with consciousness which can use a compatible non sentient mass as a medium in growth/decay cycles & become a being.

**Being:** A complementary pair of soul/Atma.

**OM reverberations:** The vibrations of the universal rhythm.

**Varna:** Form attribute shade that gives form to the created entities.

**Guna:** Trait attribute action traits corresponding to varna shades. Satva guna - Rhythmic traits.

**Rajas guna:** Over excited traits.

**Tamas guna:** Under excited traits

**Liberation:** Transcending the universal bindings & merging with the cosmic radiation.

**Mukthi:** Realizing the Almighty through self-realization.

**Avtar:** The emergence of the collective consciousness with a cosmic form that acts as a savior in the environment.

**Maya:** All worldly appearances are only transient in nature & not real.. This illusion is maya.

**Pralaya:** The end of a cosmic cycle.

**Dharma:** Ethical laws of divine that nurture emotional harmony.

**Moksha:** Transcendental bliss.

**Eternal:** Ever existing nature as those of the cosmic evolution & involution cycles.

## **Points to Ponder**

• Knowledge on consciousness however will clear the myths surrounding our existence but this subtle phenomenon is beyond the scope of objective scientific analysis. Scientific Mystics are the need of the hour indeed.

- The 'one time job' of the 'cosmic desire' was to trigger the Big Bang as a catalyst in the annihilation of matter / antimatter complementary pair of the cosmic nucleus. In doing so, it got permeated into all aspects of evolution process of the Universe, a contingent arena comprising complementary pairs that sustain self-healing stability.
- For that matter the evolution starting from the Big Bang has been programmed to carry on in eternal cycles with its own momentum.
- The core matter in all the creations is a part of that invincible nucleus. In essence every entity is 'desire propelled' & can attain salvation in its natural state. Remaining in 'coherence' & 'harmony' through self-will it can attain invincibility. e.g. Laser & Super conductor.
- The Universe emanated in energy saturation at evolution & will be in energy depletion at involution, that implies a gradual deterioration in universal vitality & stability till the ultimate cosmic attraction - big crunch
- Singularity (unmanifest nucleus) is the stabilizing factor & the manifest sentient aberrations of the cosmic nucleus, the controlling entities of the Universe.
- Divinity it self-pervades in all the panoramic forms with self-consciousness in all entities as the basic building block that enlivens their sensory & motoring organs rightly attuned for savoring its panorama. Can there be any other scheme of arrangement that will realize the cosmic intent any better?
- Non sentient contingent matters with low vitality & also the autonomous sentient matters are subject to random behavior making the environment a zone of illusion. While the cosmic forces sustain the basic order by cause & effect transformations of the non-sentient, the evolution progress or otherwise is attributed to the dispassionate intelligence & autonomous vitality of sentient beings. That is how important we are here.
- In absolute harmony the active & passive aspects of the complementary pairs balance each other & for that matter all the pairs of opposites have to also. Such an environment means that there cannot be any activity at all. If all the karmic activities have to take place as intended, energy dissipations will go on with undulations in harmony due to energy transfer interactions The presence of ego in the environment means the presence gross levels of complementary pairs of opposites, which can even bring imponderables. But since all these are evened out by the coherence of the universal rhythm, overall harmony prevails. But ego has to be viewed as part & parcel of nature contributing to its panorama.
- It is up to the collective will of beings to make a symphony out of these energy vibrations.
- The inbuilt self-referral vibrations account for the self-healing feature.
- Since one has to necessarily live in replication life after life throughout the cosmic cycles it is wise to live a life devoid of ego, a karmic life free from frustration.
- Replication function carried out by all the entities serves to preserve the oneness character of the Universe.

- The ‘complementary pair functioning’ in nature implies a basic similarity in all the beings along their energy transfer axes.
- ‘Complementary pairs functioning’ means the presence of ‘dualities’ & pairs of opposites in both subtle & gross levels. This ensures both dynamic & static stability.
- Desire is the fundamental cause for initiating transformations in matter by unfolding the elements of the complementary pairs & the release of energy due to their annihilation. So without desire there are no transformations & the evolution comes to a standstill.*
- ‘Desire’ creates the energy for sustaining all the universal actions as those belonging to ‘complementary pairs’ in compatible unions.
- The divine intent after all is to bring the heaven down to earth - bring blissful horizons - here & now - to one & all & not for anyone to liberate from the zone of the Universe to that of the cosmos, serving no karmic purpose in the Universe.
- The nature intends the beings to upgrade their potentials life after life through refined transmigrations. Not striving for the same leads to social degradation.
- The cosmic intent is to savour the worldly bliss through the karmic I ness of the entities & not through their Egoistic I ness.
- The evolution dynamics can empower the collective will to make the world an environment of possibilities. Not striving towards this end will make this a place of probabilities or delusions that govern the destiny. Collective consciousness only can actively intervene to change the evolution course.
- Enlightenment implies appreciating a unified outlook that accommodates various differences in the manifestations as well as the differentiating outlook that recognizes ‘oneness’ as the backdrop for all that exists, with equanimity.
- Ego taints the positive action traits with negativity. This permeates the active self-consciousness in beings, in an otherwise positive oriented panorama of natural evolution nurtured by subtle dualities. The presence of ego in the environment thus disorients the minds away from the universal rhythm. But the coherence of the universal rhythm sustains overall harmony.
- Ego any way is part of nature contributing to its wider panorama. The presence of imponderables has to be viewed with that perspective as to how much ego can be tolerated to sustain the quality of the environment.
- With ego, the range of the panorama enlarges; it transforms the subtle dualities to gross pairs of opposites of even negative traits. This explains the presence of imponderables in the Universe, the creation of the divinity, which is assumed to be an embodiment of all that is good.
- We know ‘more the dispassion higher is the bliss level.’ But in total dispassion one merges in divine vitality & becomes instantly empowered - beyond the range of guna vibrations i.e. without the faculty to differentiate & savour various feelings & gratifications. Then, what is the

optimum level of dispassion one should be in, for savoring optimum level of happiness/ bliss in the Universe?

- All varna & guna - form & trait vibrations replicate according ones primordial pattern on his mass disintegration. However the coherence in the gaps of space within their masses, whatever may be their pattern of disintegration, can be upgraded to that of even the source it self-through transcendental awareness by self-will that means, the coherence in their masses makes them glow in the cosmic radiation attained during transcendence. Hence varna & guna are not at all impediments to invincibility not at all factors in the attainment of bliss - .
- All are equally exposed to all the vitalities of the cosmic radiations & the universal rhythm etc. That is all, what equality is about. self-will alone holds the key to ones attaining invincibility.
- The Absolute guides the overall destiny of the universal rhythm & its harmony only, as an eternal 'Silent Witness' & not the individual self-willed actions & counter actions of sentient beings etc.
  - Science explores to look out for a divine plan, an order in its destiny. But the reality is that the Universe is a play field of divine Lila - environment of intuitive speculation & possibilities - -. Mysticism holds the key for the truth behind this lila..
- Science establishes the role of probability along with statistics as a tool in its evaluation. But the scientific mystics now declare that the Universe is a place of possibilities & much more.
- Destiny nurtures 'coexistence' & 'co creation,' but not 'ego.'
- Stronger the will power, lesser is its dependence on caste, jathi/groups etc. for emotional support.
- The Universe is a manifestation of the desire of the Absolute who is Holonomic - parts of wholeness out evolving out of wholeness in eternity - & Autopoietic - - self-creation of 'oneness,'as many & vice versa - -.•One global government is a natural need of the moment & the same needs to be headed by a 'spiritual visionary' to reveal the above realities to all the beings & thus solve all the ethical issues of the day. It is easy to think of ways to govern a society by laws based on "rights & wrongs," but often it carries a tinge of coercion Only a 'natural' adherence to all the ethical & secular codes by nations can ensure optimum progress in harmony.
- When the laws truly nurture ' self-realization' in everyone, "Ram Rajya" establishes by itself. But "how" is a big challenge faced by the world leadership & the answer is this. "Society must acknowledge & accept the class of individuals, who believe and spend their life in such a spiritual orientation, as the highest in social hierarchy. The leadership role then remains only that of a catalyst."
- A society aiming at progress has to invariably use the services of visionaries for foresight & gurus to act as catalysts during self-realization & also for the periodic evaluation of the progress of its constituents. Counselors are the back bones of the society.

- Considering the fact that human beings are ethical entities with consciousness, each having innate feelings of its own, natural acceptance of the rational mandates can take place only after intuitive satisfaction. So much so these mandates can be recommendatory only.
- A rule a mandate implies coercion. Only a spiritual environment that nurtures voluntary self-realization is conducive to their natural acceptance & adherence.
- The end products of rational (scientific mystic) & ethical (spiritual) approaches, however tend to be one & the same since the former is based on the coherence of vision & the latter the harmony of self-realization, both together being the prime virtues of the source itself.
- While we appreciate that it enlarges the range of universal panorama, it is worthwhile to debate as to 'why' & 'how far' should a society tolerate 'Ego.'
- "An average human being self-heals his karmic energy vitalities through their passage from mooladhara the seat of attraction to the head the seat of radiation. He also experiences sensual gratifications from sensory & motor organs, neglecting the possibility of his upgrading his astral mass 'active' self-consciousness & also the mass of the reproduction cells 'passive' holistic consciousness - .
- Since both these consciousness together form the sentient complementary pair of the 'most developed species,' the nature has rightly programmed the evolutionary intelligence to progress through the enrichment of the transmigration process by refined souls."
- Energy vibrations that emanate from cosmic radiations have spiritual & social relevance. The Universe is thus a spiritual arena
- Nature sustains a universal order despite egoistic disruptions. Let us imagine the grandeur of the universal panorama devoid of such ego disruptions!
- Nurturing nature is virtue & hindering the same is sin
- This is the nature's natural prescription for contentment.
- Strong dispassionate will power is the key to good individual well being
- About making nano robots - nabots - that can perform human functions:
- From the standpoint of human scientific progress such creation (assembly of trillions & trillions of cells) amounts to insurmountable tasks whereas nature has made this spiritually possible maybe even as simple as thoughts materializing into objects through the coherence of consciousness using its cosmic wisdom to programme creation in such a manner that the parts of the 'all potent' cosmic nucleus themselves form the basic building block of all that exists.
- The more the coherence in the intelligence of the ethical state - harmony oriented, the closer it gets to the moral/rational state - norm oriented production & then on voluntary acceptance of the norms, the entities can move on to the secular state - blissfully productive state.

- The evolution dynamics can empower the collective will to make the world an environment of possibilities. Not striving towards this end will make this a place of probabilities or delusions that govern the destiny. Collective consciousness only can guide the evolution course.
- According to Hindu scriptures, the evolution vitality will be progressively depleting till the end of the cosmic cycle - pralaya - big crunch - .According to them we are in the end of the last quarter of this cosmic cycle with low levels of stability. Let us not despair. In a spiritual sense, this natural crunch merely leads to its continuation as big bounce, the beginning of a new stable evolution cycle.
- The Vedic axiom “Let Me be Many” of the Absolute has got the Nature’s validation over the ages. Now that science is also giving its validations, the first step in this direction for the scientific mystics is to clear all the myths surrounding the basic understanding of our existence itself. Purely objective deliberations will lead us to the necessity of proving this reality through manmade Big Bangs only!
- Probabilities to science & Possibilities to mysticism are expressions denoting unpredictability. Had the creator desired ‘let there be many & savour uniformity’ instead of ‘let me be many & savour diversity’, science might have found it far more easy in giving its answers!***
- The divine desire “let Me be many” has rightly been initiated by the Big Bang which the science has found to be an orderly event in the creation process, rather than a random explosion.***

*Intellectual integrity made it quite impossible for me to accept the dogmas of even the great scientists. Indeed those intellectuals who accepted some intrinsic beliefs were abdicating their functions for the joy of feeling themselves being one with the herd. Bertrand Russell*

## Epilogue

The intention of this synthesis is to stimulate the imagination & introspection in others about this mysterious process of creation. Apart from dwelling on the subject ‘how we got here, and where we are going’, some rational steps forward in our onward journey shown by some scientific mystics find a place here. I hope the above purpose has been fulfilled through these pages.

*(The End)*