

Chapter-1

The Evolution of Universe with Solar System

The Asamanya Vishwa model proposes a mathematically developed, approximated & theorized uniform framework to predict viable phenomena for the origin, development & existence of the material universe. Experimentally well established facts, findings, discoveries, laws, approximation, assumptions predictions, observed celestial properties and theories are used, combined and applied in new ways to develop this framework. In this model newly interpreted starting natural events are calculated, approximated, assumed, identified, designed & organized for origin, construction, development, evolution, operation and existence of the material universe from the empty universe.

There were no elementary particles and fundamental forces in the empty universe. It contained only eternal resonances as a starting energy and a vast empty space. Numerous eternal resonances were clumped together to make & hold an open wavy string vibrating at a multidimensional frequency. Such a wavy structure composed a long and highly subtle open resonant wave or an open wave of eternal resonances. We call this starting resonant wavy energy “great energy” (GE) which travels straight forwards in bundles at the speed of light. Each bundle of GE contains numerous open resonant waves.

Two bundles of the GE coincidentally come close to interact with each other. As a result their whole resonant energy flows inward spirally, accumulates & then coils into a densest energy point “great energy point” (GEP) between them. Highly energetic GEP resonating at multidimensional frequency acts like an ever potent multidimensional electromagnet to convert and recoil its resonant energy into outward spirally transmitting closed resonant waves (OSTCRW).

Although the OSTCRW, so formed, are highly short and narrowed at the GEP, they are able to gradually enlarge their overall circular length to transmit outwards. After a certain large distance OSTCRW are slowed down & stopped to transmit outwards & enlarge their overall circular length. As such OSTCRW are accumulated into an enormous torus shaped empty space to make a large torus shaped force field around the GEP. We call such an enormous torus shaped force field great energetic ring of resonance (GERR) for our better understanding.

The vast torus shaped energetic circumference of a GERR transforms its resonant energy into closed resonant waves to transmit inward spirally towards the middle of the GERR. Although such inward spirally transmitting closed resonant waves (ISTCRW) are highly subtle & have enormous overall circular length at the circumference of GERR, they gradually intensify, narrow and shorten their overall circular length towards the middle of GERR; because the transmitting area is gradually narrowed towards the middle of the GERR, the whole torus shaped area from circumference to middle of the GERR fills with such ISTCRW. We call them ISTCRW (G) because they are originated and transmitted at the speed of light from the circumference of a GERR towards its middle.

When ISTCRW (G) reach & strike at the middle they are so narrowed, shortened, energized and intensified with an extremely short circular length that they ultimately have to split into numerous short sized open wavy strings. Such open wavy strings are highly subtle. The following ISTCRW (G) are able to act as a great force (a proposed fundamental force) on the short sized open wavy strings to permanently coil them into extremely small closed wavy strings. Each closed wavy string is highly subtle, stable and

vibrates at certain frequency to earn positive or negative electric charge under the influence of the same ISTCRW (G).

Under the influence of the same ISTCRW (G) or great force these closed wavy strings are able to clump together in specific proportion to form all the elementary particles and elementary antiparticles at the middle of a GERR for a galaxy with all its stars and planets. When closed wavy strings with the positive electric charge clump together an elementary particle with positive electric charge is formed. Similarly negatively charged wavy strings clump together to make negatively charged elementary particles. When half of the wavy strings with negative electric charge and rest half of the wavy strings with positive electric charge clump together they form electrically neutral elementary particles. The interaction between electric charges on individual closed wavy strings in the elementary particles makes spin value of an elementary particle. The bosons contain half closed wavy string with positive electric charge and rest half with negative electric charge. This is why bosons have integer spin and no electric charge. While fermions contain more than half closed wavy string with positive charge or negative charge; this is why they have half integer spin and an electric charge.

Thus each elementary particle or elementary antiparticle is made of certain number of closed wavy strings clumped together under the influence of the following ISTCRW (G) at the middle of a GERR. Elementary particles include 12 fermions and 4 types of gauge bosons or messenger particles. 6 fermions are called quarks and the rest 6 leptons. Elementary antiparticles include two types of anti quarks (up anti quarks and down anti quarks) and two types of anti leptons (positron (anti electron) and electron anti neutrino).

The following ISTCRW (G) act on fermions to equip them with specific resonant frequency which make half integer spin (spin is an intrinsic mode of angular momentum made by the elementary particles, composite particles and nuclei) and colour charge or electric charge. The spin or angular momentum enables them to participate in different types of interactions with the help of gauge bosons. The same following ISTCRW (G) are able to act on gauge bosons to equip them with different resonant frequency to make an integer spin and colour charge. This enables each of them to make and carry one of the known fundamental forces to interact with fermions to perform interactions to make composite particles.

The interaction between fermions and gauge bosons allows them to give off or absorb closed resonant strings. This changes their vibration frequency to convert an elementary particle into other elementary particles or anti elementary particles. Such inter conversion of elementary particles by absorbing or giving off closed wavy strings make numerous short lived and short interacted elementary particles, subatomic particles and bosons to participate in interaction to form & hold composite particles. Such a comprehension indicates and provides evidence that a closed resonant wavy string is a building block of an elementary particle. Thus all the elementary particles are coiled form of the resonant waves like quantum theory claims.

Now the middle of a GERR is filled with all the elementary particles and elementary anti particles to perform interactions. When the following ISTCRW (G) acts on quarks each of them begins to vibrate at certain frequency to earn fractional electric charge, mass, and spin. Three types of quarks “up, charm and top” are equipped with the positive electric charge while rest three quarks “down, strange and bottom” are equipped

with the negative electric charge by the same ISTCRW (G). Three types of leptons 'electron, muon, and tau particle are equipped with negative electric charge by the same ISTCRW (G); the rest three leptons "tau, muon and electron neutrinos" remain electrically neutral. In the neutral elementary particles the half constituent closed wavy strings has positive electric charge and the rest half has negative electric charge; hence they make electrically neutral elementary particles.

The same ISTCRW (G) are able to act on gauge bosons in specific way to make integer spin to equip them with all the known four fundamental forces to act on elementary particles 'fermions'. Each type of gauge bosons is able to make and carry one of fundamental forces from the same following ISTCRW (G) to interact with the fermions at the same middle.

One of gauge bosons 'gluon' makes and carries strong force (a well known fundamental force) from the following ISTCRW (G) to directly interact with quarks. Strong force enables quarks and gluons to participate in strong interaction which glues the quarks in different proportion into permanent threes to make all the composite particles and composite antiparticles at the middle of GERR. Then strong force binds composite particles 'proton and neutron' together to form nucleus. In respect of binding proton and neutron together, the strong force is called nuclear force or residual strong force.

Simultaneously the another gauge boson 'photon' makes and carries the second known fundamental force 'electromagnetic force' from the same ISTCRW (G) to act on electrically charged composite particles to make & hold their electromagnetic properties. This enables them to compose & hold nuclei.

Then W & Z gauge bosons make and carry weak interaction force (the third known fundamental force) from the same ISTCRW (G) to act on all fermions to enable them to interact. The weak force especially acts on electrically neutral leptons (electron neutrinos, muon neutrinos and tau neutrinos) to pack & hold them into a nucleus with composite particles to stabilize it. The proton in the so stabilized nuclei attracts an electron to form atoms 'hydrogen' at the same middle. Thus weak interaction is caused by emission or absorption of short lived W & Z bosons under the influence of ISTCRW (G). Thus weak interaction controls the emission and absorption of elementary particles in nuclei.

Finally the gauge boson 'graviton' makes and carries last known fundamental force 'gravity' from the same ISTCRW (G) to make gravitational waves which transmit inwards spirally towards the middle of GERR. Such gravitational waves are able to compose a torus shaped gravitational fields to operate and hold a torus shaped gravitation at the same middle of GERR. These gravitational waves transmit inwards spirally to push atoms inward spirally towards the middle to compose & hold a streaming ring of atoms at the whole middle.

This is the way by which a torus shaped gravitational field makes and holds a ring of streaming atoms at the middle of a GERR. Although gravitons, gravitational waves and gravitational fields like phenomena are hypothetically theorized by modern scientists to theoretically reconcile it with the origin and development of celestial bodies and their orbital mechanism, we approximate these terms in new sense.

Thus a whole middle of a GERR acts like a huge ring shaped energetic space where all the four fundamental forces are made and carried by the respective gauge

bosons from the ISTCRW (G) to act on fermions to assemble them into composite particles. Then the same fundamental forces are able to act on composite particles to make atoms and then to equip them with all the material properties to make & hold a ring shaped celestial object there. Such an enormous ring shaped celestial object should be observed in deep space because the matter forming processes should be going on elsewhere in the universe in a new GERR.

As such the first GERR holds numerous atoms, free nuclei and energized gauge bosons at its middle to make & hold a streamed atomic ring. When ISTCRW (G) act on such a streaming atomic ring, the atoms at once begin to vibrate at higher frequency to earn a stationary electric charge like piezoelectric quartz does. Then stationary electric charge propagates electric field. When electric charge moves with streaming ring it makes magnetic field to interact with electric field to finally form electromagnetic field.

Under the influence of interaction with the ISTCRW (G) this multi dimensional electromagnetic field is able to originate and hold numerous energetic or electromagnetic points (EP) along the whole middle. Each EP superfluously is energized by the electromagnetism & ISTCRW (G) to act as a revolving multi dimensional electromagnet to originate and hold an inward spiral pull to attract the atoms inward spirally.

The strong inward spiral attraction pull makes each streamed atom to have inward spiral rotations to reach an EP. When an atom nears an EP with inward spiral rotation, it picks up high speed to earn centrifugal force. The centrifugal force converts its inward spiral rotation into outward spiral rotation to escape the EP to put it at the middle of GERR to make & hold an inward spiral rotation again and so on.

The same atom repeats the same process several times till it bunches with other inward-outward spirally rotating atoms to make an inward-outward rotating starting mass around an EP. After formation of a disc shaped starting mass from the inward-outward spirally rotating atoms, it grows into a larger mass by getting all the atoms of a group influenced by the same EP. The process makes disc shaped billions starting space objects “great clouds” around billions EPs. Each EP has a great cloud around it. Each great cloud has an unimaginable large quantity of starting atoms which clumped into inward-outward rotating mass under the influence of ISTCRW (G) & EP.

Although a GEP as a revolving multidimensional electromagnet strongly attracts great clouds inward spirally, the GERR is able to hold great clouds at its middle against such a strong attraction pull. This is why all the great clouds originated along the middle of a GERR begin to orbit the GEP keeping them at the same middle. When all the resonant energy accumulated in the GEP has recoiled into OSTCRW, the GEP vanishes & disappears.

As a result, the GERR is withdrawn at once and a vast disc shaped space from past GEP to past GERR is permeated with faint OSTCRW which split & compose cosmic microwave background radiation. Now there is no ISTCRW (G) present to make & carry fundamental forces to transmit & act on subatomic particles in an atom to a whole great cloud. Simultaneously EP is vanished from the center of each great cloud. Now a torus shaped space from the circumference to middle of a past GERR, is filled with faint ISTCRW (G) which act on empty space as a dark energy (The hypothetical dark energy is believed to uniformly permeate all of space; it is approximated to explain accelerating expansion of universe by modern scientists).

As such all the atoms in a great cloud at once become unstable & begin to decay releasing large amount of radioactive radiation which includes stream of neutrinos and electromagnetic radiation. Without EP no inward spiral attraction force is present to attract the atoms inwards spirally towards the center of great cloud to hold them together bunched. This is why that all decaying atoms at once begin to apart from each other to expand the great cloud. In this process, a large proportion of atoms are completely decayed and vanished releasing large amount of radioactive, electromagnetic and nuclear energy in all directions.

These energies are combined & transformed into closed resonant waves after a certain distance to transmit outwards around the fast expanding and deforming great cloud. Such outward spirally transmitting closed resonant waves (OSTCRW) accumulate & compose an energetic sphere of resonances (ESR) at large distance to envelop the fast expanding great cloud. The ESR has a enormous bubble shaped volume.

The whole spherical circumference of ESR is able to originate ISTCRW. We call them ISTCRW (E) as they are originated by the ball shaped ESR to transmit inwards spirally towards its center to act on an expanding great cloud from all sides. ISTCRW (E) are able to reshape & condense the great cloud in a spherical denser form by pushing atoms inwards spirally towards the center of ESR. ISTCRW (E) are intensified towards the center of ESR to equip the gauge bosons with fundamental forces to transmit inward spirally to act on the decaying atoms to stabilize them at certain lower atomic mass.

The gravitons should compose ball shaped gravitational waves from the ISTCRW (E) to make and hold a ball shaped gravitation field to act on atoms to masses by pushing them inward spirally towards the center of ESR to form & hold a spherical great cloud there permanently. Thus spherical gravity is originated and transmitted by ESR which exists outside the great cloud. When gravitational waves transmit, ISTCRW (E) like inwards spirally, towards the center of ESR they are narrowed, combined & intensified gradually to act on core material with more intensity than above lying material; because transmitting area is gradually narrowed towards the center of ESR. This suggests and explains a viable operational mechanism for the force of gravity.

On the other hand in modern physics gravitational waves are hypothetically understood like a ripple in the curvature of space time which propagated as waves traveling outward from the source. Predicted by Einstein in 1916 to exist on the basis of his theory of relativity, gravitational waves theoretically transport energy as gravitational radiation. Although gravitons, gravitational waves and gravitational fields are hypothetically approximated & theorized, we use these terms to explain operational mechanism of gravity in a new way.

According to this proposed mechanism, the gravity is not an attractive force to pull some things inward towards the centre of a space object as scientists believe. According to them gravity is a force which is originated and transmitted outwards from a core of a space object; it brings together atoms and masses to form space object making & holding their precisely balanced orbital tracks. On the other hand according to Asamanya vishwa model it is a force which is made & transmitted inward spirally from outside to act on a space object from all sides by pushing everything with mass inward spirally towards the centre of an ESR.

This makes & holds a space object together in spiral form at the center of an ESR. Due to such viable & virtual operational mechanism of gravity a space object has

gradually denser material and higher rotation towards the centre than the above lying material. Hence gravity is an inward spiral pushing force which is gradually intensified towards the centre of a space object or ESR because gravitation waves are gradually narrowed to intensify and energize towards the center of ESR. It is originated outside the space object at the circumference of ESR to transmit it towards the center of a space object. Hence, this model is able to explain all the observed and felt properties of gravitational operations.

Thus gravity does not act between two celestial bodies like scientists believe. Each space object has its own ESR and ERR to exist and to orbit its parent space object. In this way gravity is individual property of a space object and it does not directly affect other nearby celestial bodies. It is not responsible for orbital mechanism of a space object around a parent space object as modern scientists believe. The orbital mechanism of a space object is operated by the ERR and ESR like phenomena. Similarly surrounding space of a space objects is governed and energized by the ERR and ESR like highly subtle phenomena. Such phenomena should exist in an unknown wavelength.

Although measurements and effects of proposed gravitational operations should be similar that of the known gravitational operations, it strongly indicates the existence of ESR and ERR like phenomena around each celestial body. The ERR produces torus shaped gravitation field to make and hold a ring shaped space object while ESR produces spherical gravitation to make and hold a spherical space object. The ERR and ESR together make and hold orbital mechanism of a dependent space object around its parent space object.

Scientists may confuse to interpret it that gravity is an inward pulling force which emanates from the core of a celestial object and it transmits outwards to attract surrounding celestial bodies at large distance. This is why that the gravity as an inward pulling force is neither able to explain operational mechanism of gravitation nor does it explain the formation processes of celestial objects.

Although operational mechanism of gravitation as an inward spirally pulling force is well approximated mathematically by Newton to Einstein it is not able to explain its own origin and viable operational mechanism especially in respect of expanding universe, active surrounding space of a space object, formation of celestial bodies from so called nebular dusty gasses and orbital mechanism of celestial bodies. This is why they are not able till today to propose any perfect viable operational mechanism for the force of gravity. Thus there is a strong need for better theory of gravity like Asamanya vishwa model proposes.

Let us come on decaying great cloud again. The energized W & Z bosons make & carry similarly fundamental force 'weak interaction' from the same ISTRW (E). Then they transmit inwards spirally towards the central point of ESR to transmit & act weak force on the decaying atoms in the great cloud to pack & hold the neutrinos & neutron like electrically neutral subatomic particles inside the unstable nuclei to stabilize them at certain lower atomic mass. Thus weak force rules the nucleic stability level in decaying atoms in a great cloud which is now without the GERR; This force acts through emitting or absorbing W & Z bosons by a nucleus.

Similarly gluon is able to make and carry strong force from the same ISTRW (E). The strong force makes and holds perfect bonding and binding among elementary particles 'quarks', subatomic particles and atoms. Other gauge boson 'photon' makes and

carries electromagnetic force from the same ISTCRW (E) to act on the charged sub atomic particles to atoms to make & hold their electromagnetic properties. This way it seems that ISTCRW (E) together acts like a super force which separates into four fundamental forces to govern & act on material elements through gauge bosons.

Thus radioactive radiation from a decaying great cloud makes & energizes an ESR. In return, an ESR originates ISTCRW (E) which energize fermions and enable respective gauge bosons to make & carry respective fundamental forces to act on energized fermions to a whole great cloud. This way an ESR is able to hold a great cloud in existence without the GEP, GERR and ISTCRW (G). Although a great cloud now has no fix circular orbital track to orbit the past GEP; they rush inward spirally towards it under the influence of past attraction pull from the past GEP; because the past attraction pull remains on great clouds and becomes functional after the withdrawal of GEP & GERR.

Now the great clouds with ESR but without the GEP & GERR are able to remain in existence rushing towards the past GEP. When one or two great clouds near the past GEP at the same time, they merge into each other and their material picks up ever high inward spiral rotational speed around it to earn a high centrifugal force. The high centrifugal force is able to convert inward spiral rotation into outwards spiral rotation to prevent this material from falling into the past GEP. This makes an inner hollow portion around the past GEP.

As such the material of both the great clouds begins to rotate spirally around & above this hollow portion at an extremely high speed to form the first galaxy. Both the ESRs of both the great clouds merge into each other to form a new galactic ESR that reflects other bundles of GE to enable them to come close to merge into each other to trigger & hold similar starting energy conversion chains in the form of new GEP and GERR to make and hold other galaxies billions in number in distant empty space. Out side the first galactic ESR there is again empty space in which new GEP and GERR can be formed to make and hold other galaxy similarly. Now no bundle of GE can enter a galactic ESR and no matter particles can go outside a galactic ESR.

The ISTCRW (E) from the circumference of galactic ESR are transmitted inward spirally towards the inner hollow portion of the galaxy making gravitation waves. Inward spirally transmitting gravitational waves are so combined & intensified in this hollow portion that they push every thing with closed wavy strings (all elementary particles are made of closed wavy strings) inward spirally at an extremely high speed, even more than speed of light, towards the past GEP. Even, when a photon like bosons falls in this galactic inner hollow portion, it earns an ever high inward spiral rotational motion. This photon is not able to earn centrifugal force here, so it is unable to turn its inward spiral rotation into outward spiral rotation. This is why it has to reach at the past GEP with ever high inward spiral rotational motion to strike it. When it strikes with the past GEP with a high inward spiral rotational motion, it recoils & splits into numerous open strings of resonant wave which radiate out of galactic ESR to compose GE again i.e. eternal wavy resonances.

This way a past GEP acts like a massive black hole to engulf material particles including photon like bosons because bosons should be affected by the high centripetal force and unaffected by the centrifugal force. On the other hand composite particles, atoms and masses are affected by both the forces. Atoms earn centrifugal force when they

have high inward spiral motion near the past GEP to compose galactic masses above the hollow portion. But a large number of atoms are trapped into this hollow portion to reach at the past GEP to recoil into GE again before they could earn centrifugal force.

This is why the empty space of the past GEP acts as massive black hole for all the material elements originated in a GERR. This makes a cycle of energy and material flow. Thus inward spirally rotating atoms earn centrifugal force before the galactic hollow portion to prevent themselves from falling into past GEP to keep the galaxy in spiral form & well above from it. Under the influence of ESR some of great clouds before the galaxy are able to come close & merge into each other to form mini galaxy or satellite galaxy or Magellanic cloud like structures which finally merge into a principal galaxy.

A galactic ESR is able to originate and transmit ISTCRW (E) to equip the gauge bosons with fundamental forces to act inward spirally on galactic material to equip a galaxy with material properties as we know. In return the galaxy radiates radioactive energy mainly to energize galactic ESR and so on.

Now all the remaining numerous great clouds are rushing inward spirally towards the past GEP to merge in the first galaxy one by one under the influence of past attraction pull from the past GEP. When a great cloud merges in the galaxy, it triggers intense nuclear reaction in a galactic region. This galactic region at once begins to release tremendous nuclear energy to make strong winds of charged particles which are able to transform into OSTCRW to accumulate in torus shaped space around to compose a star energetic ring of resonance (SERR).

The galaxy makes & holds SERR forever so it never vanishes but fades in due course of time. The circumference of strong SERR originates ISTCRW (S) to make and hold fundamental forces through respective gauge bosons to act on the whole middle of SERR. As such SERR makes torus shaped force field & gravitational field around its whole middle to push and accumulate material of great cloud there. Although SERR is too smaller and weaker than GERR to make elementary particles at its middle, it is able to push, accumulate & hold ring of atoms from the material of great cloud at its middle to equip it with fundamental forces.

When one of a galaxy-approaching great cloud enters the SERR, the ISTCRW (S) & torus shaped gravitational field push it inward spirally towards its middle to accumulate & hold its material into a ring of streaming atoms at there. The streamed atomic ring at once develops multidimensional electromagnetism to originate and hold several EPs along the whole middle of SERR. They compose several inward-outward spirally rotating star masses 'molecular clouds'. Each star mass is formed around an EP along the middle of SERR like a great cloud is formed & shaped around an EP along the middle of a GERR.

During the inward-outward spiral rotations some of the atoms collide & merge into each other to appreciate into heavier atoms like Helium, Beryllium and lithium along the same middle of SERR. Some atoms stick together with different types of bonding & binding to form different types of molecules to form molecular cloud like star masses. Gradually they merge into each other to finally compose a full-fledged star like our Sun.

Although SERR exists forever around the galaxy, it fades as nuclear reactions in the concerned galactic region are slowed down in due course of time. As a result the ISTCRW (S) from the circumference of faded SERR are also faded. The faint ISTCRW (S) are not able to hold heavier atoms stable and EP stronger. As a result they begin to

expand & decay radioactively to release large amounts of radioactive energy in all direction.

This radioactive radiation is able to slow down after a certain distance to combine and convert into OSTCRW. Such OSTCRW moves outwards to accumulate in a spherical space to compose ball shaped force field 'star ESR' like helisphere at large distance. The ESR hold a bubble like volume around the star. The whole spherical circumference of star ESR or SESR originates and transmits ISTCRW (E) to enable the respective bosons to make & carry respective fundamental forces to act on the decaying & expanding star material. Now the faded SERR holds the star ESR at its middle to allow the star to orbit the galaxy in precisely balanced orbital track. Due to weak EP, the star material remains gaseous. These ways fundamental forces from the two sources (ESR & SERR) act on the star to keep it into existence with perfect orbital order

An enormous star ESR floats at the middle of a faded SERR to hold the star at its centre providing all the fundamental forces for axial spin, perfect spherical gravitation, nucleic stability and perfect spherical shape and so on. A faded SERR originates weaker ISTCRW (S) to make & hold torus shaped weaker force field to enable a star ESR to float at its middle to orbit the galaxy. It also aligns the ESR in certain angle which holds the magnetic poles of a star in certain direction in respect of the galaxy.

The EP at the centre of star becomes center of star material. Simultaneously the center of ESR also tries to become the center of star material. Hence EP and center of ESR together make & hold alignment of a star. A star ESR equips a star with inward spiral pushing force to make perfect spherical gravitation & axial rotation to keep the star together in perfect spherical shape at its own center through the ISTCRW (E). The numerous great clouds merge into galaxy to form numerous SERR to construct & hold numerous stars similarly around it from the galaxy approaching great clouds.

Thus a SERR composes molecular clouds like several star masses at its middle from the great clouds. All the star masses or molecular clouds in a SERR merge into one to finally form a full-fledged star. Two masses in the same SERR make a pair, then they gradually near to merge into each other to make a larger star. Such merging enables principal star to make and radiates tremendous nuclear energy in disc like space to make OSTCRW to originate and hold a planetary energetic ring of resonance (PERR) around. The remainder of great clouds accumulates at a PERR's middle to compose a ring of streamed atoms under the influence of ISTCRW (P) originated by the circumference of a PERR.

These ISTCRW (P) are able to make and hold torus shaped gravitation field to make & act on this ring of material at the middle of PERR. Then the streamed atomic ring makes & holds electromagnetism to make several EP along the whole middle of PERR. Each EP originates and holds inward-outward rotations to bunch the atoms into a starting planetary mass around it.

This way numerous EPs break the streamed atomic ring into several inward-outward rotating masses and hold them along the middle of a PERR. The planetary EPs are stronger than stellar EPs due to less distance from the circumference of PERR to its middle. The strong EP enables atoms to collide and merge into each other to make and hold heavy nuclei during inward outward rotation. The process of inward-outward spiral atomic rotation around an EP along the middle of a PERR is repeated several times till a group of inward-outward spirally rotating atoms is able to clump into each other to form

spinning axis to earn mass and volume. Thus only inward-outward rotating atoms are able to confer mass around an EP along the middle of GERR or SERR or PERR.

The nuclei of heavy elements, so formed, make rock and metal dust like material form to make solid mass. This is why the extremely volatile material of great cloud is able to heavier elements to make solid masses around the EPs at the middle of PERR. Numerous solid masses make a ring like torus shaped structure which looks like present asteroid belt between the Mars and the Jupiter does. The planetary masses gradually merge into each other in order to construct a planet at the middle of the PERR. The PERR also fades in due course of time to decay atoms & expand planetary masses to propagate radioactive radiation. As a result a large proportion of heavier elements in planetary masses decay mainly into hydrogen to oxygen like lighter elements in PERR. Oxygen combines with hydrogen to form a large quantity of water in some of PERR in decaying masses.

The resultant large amount of radioactive radiation from the decaying planetary masses finally combines & makes OSTCRW to accumulate and compose planetary ESR at large distance. The ball shaped circumference of ESR originates ISTCRW (E) which move towards the center of ESR from all sides. The respective gauge bosons are able to make respective fundamental forces from these ISTCRW (E) to equip the planet with gravitation, a nucleic stability level, electromagnetic properties and perfect spherical shape with axial spin and so on. Simultaneously the ISTCRW (P) from faded PERR equip the planet with a precisely balanced orbital track around the star. It also aligns & holds the planetary ESR at an angle in respect of its parent star. The EP at the center of planet and center of ESR together are able to align the planet in specific angle.

The planetary ESR keeps & holds the planet at its centre to equip the core material with higher rotational force and density than the above lying material. The inward spiral push by gravitational waves towards the centre makes & holds weight in material objects. As inward spiral push gradually intensified towards the centre of a planet, the weight is also intensified towards the centre.

The collisions among the atoms during inward-outward spiral rotation are able to appreciate hydrogen into heavier atoms by absorbing subatomic particles into existing nuclei as stated earlier to form different heavy elements, compounds and mixers to form solids, liquids and gasses to form a planetary mass. Due to short size of PERR, each EP forms solids, liquids and gasses from the material of great clouds. This way, along the middle of a PERR the heavy elements are formed during inward-outward spiral rotation around the EP; such heavy elements are able to make planetary material “rock-metal dust and gases”. Thus strong PERR makes numerous planetary masses along its middle; they gradually fuse together to make one planet.

The PERR fades in due course of time. The faded PERR can not hold the atom stable. The resultant unstable atoms begin to decay radioactively & radiate radioactive radiation to make OSTCRW to compose a planetary ESR around. The whole spherical circumference of planetary ESR originates ISTCRW (E). Gauge bosons are able to make and carry respective fundamental forces from ISTCRW (E) to act on unstable atoms to make & hold nucleic stability at certain lower atomic mass, perfect ball shaped gravitation, weight, quarks binding and a gradual intensifying inward spiral push to keep it denser at the core with higher rotational motion than the above lying material. A planet

covered with ESR successfully floats at the middle of the faded PERR to orbit its parent star and stay permanently at the centre of the ESR.

Thus all the material elements to compose a galaxy and all its stars and planets are originated at the middle of a GERR. The ISTCRW (G) only is able to be split in open wavy strings & then coiled into closed wavy strings to form elementary particles. And a GERR only is able to split & coil the starting ISTCRW (G) into all the elementary particles at its middle only; hence matter can be formed only at the middle of a GERR like enormous torus shaped force field. There are billions of electromagnetic points along the whole middle of a GERR; they compose billions of inward-outwardly rotating starting disc shaped masses 'great clouds' around them.

Hence, a starting space object is born as a giant ring of matter at the middle of a GERR. Similarly first gravitational field was made and existed in an enormous torus shaped space to make and hold ring shaped space object as a first or starting celestial body.

Thus gravity originated from ISTCRW (E) pushes the material inwards spirally with more intensity near the core to originate centrifugal force to make & put an outward spiral rotation on the core material to emerge it above. This makes intense collisions between inward and outward spirally rotating atoms at the core to originate intense heat & energy to trigger & hold nuclear reactions in core material. Higher collision between inward and outward rotating atoms keeps the galaxy in most volatile state; medium collision keeps the stars in gaseous state while lower collision keeps the planets in solid state.

The ISTCRW originated by circumference of a torus shaped force field 'GERR or SERR or PERR' are able to act on its middle to make & hold required fundamental forces to make and hold a torus shaped ring of material. As such a torus shaped gravitational field is able to make and hold a ring of material at its middle like a particle accelerator holds gas plasma at the middle of its magnetic field. While ISTCRW (E) originated by ball shaped circumference of a ball shaped force field 'ESR' of a great cloud or galaxy or star or planet' are able to make & transmit fundamental forces towards the center of ESR to make & hold a ball shaped space object.

The ball shaped force field 'ESR' makes & holds a space object at its center with a perfect axial spin & perfect spherical shape. This is the way by which the said force fields in the form GERR, SERR, PERR and all types of ESR are originated to make and hold all the material particles and fundamental forces to compose & hold space objects with perfect orbital order and axial spin.

The ERR & ESR both together align & hold stars and planets in certain angle in a disc like space around the parent space object. This keeps North Pole of a star or planet in certain direction and South Pole in opposite direction in relation with their parent space object. The stars, planets and satellites only have their parent space object to orbit. A galaxy or a great cloud does not have any parent space object to orbit. However galaxy orbit the past GEP and great cloud with GERR had GEP as its parent space object to orbit it in a fixed orbital track 'the middle of GERR'.

The great cloud without the GERR has no fixed orbital track to orbit the past GEP. This is why they can align in any direction in respect of past GEP. Galaxy similarly can align it in any direction around the past GEP. Stars can not align themselves in any direction like a galaxy or a great cloud can do. This is why stars, planets and

satellites have a fixed orbital track in the form of ERR to orbit their respective parent space objects.

The two basic theories of modern physics 'quantum mechanics & general theory of relativity' contradict each other in defining subatomic particles, atoms & mass with the origin, source & operational mechanism of fundamental forces and space object. Thus, there is need of a unified framework of explanation for the material universe which should explain origin and operational mechanism of observed & tested properties of matter, mass, space and finally material universe . Asamanya vishwa model is the framework to explain from elementary particles to galaxies through a uniform mechanism based on ERR and ESR like torus and ball shaped force fields. The proposed fundamental force fields 'ERR and ESR' should be observed and validated by Astrosat like space observatory.

Such a mechanism proposes ISTCRW & OSTCRW like highly energetic resonant wavy energy to make & operate four fundamental forces to make and hold different types of space objects. Thus the proposed mechanism is able to explain from an elementary particle to a galaxy with the perfect operational mechanism for the fundamental forces in a unified way. As such this model is able to reconcile all the known fundamental forces and the proposed first fundamental force 'Great Force' with the origin and development of different celestial objects with a single framework of explanations.

Although the God particle theory won the Nobel Prize for physics in 2012 for theorization of existence of Higgs bosons to confer mass, the CERN has re-started so called big experiment recently in April 2015 in the world's biggest particle accelerator 'LHC' with doubled energy level to detect & prove theorized existence of GOD particle or Higgs boson. However its first course of experiment completed in 2013 was not able to detect this theorized God particle and then LHC was closed to revamp it for the following two years.

The origin of elementary particles and mass (meaning the resistance of an object to being moved) is the basic question for the scientists concerned with big experiment. They believe that Higgs Boson enables the subatomic particles in atoms to help invest them with mass. And without the Higgs Boson no mass can be formed. The Higgs theory explains hypothetically how particles clumped together to form all galaxies, stars, planets and life itself.

Scientists believe that the collisions between two beams of protons at high energy level are able to produce extreme heat to generate conditions of early universe just after the big bang. However, till now the data of the said experiments at CERN have not substantiated this mathematically based theorization of the existence of the GOD particle and hot big bang beginning of the material universe from the empty universe 13700 millions year ago.

Some Indian Scientists hope that the on going experiments in LHC will show unexpected evidences for new particles for a new physics and a theorized concept 'super symmetry' beyond the standard model. They think that standard model is incomplete and there exists physics beyond the standard model. This strongly suggests that a new framework of explanation is required for new physics.

Our Asamanya vishwa model suggests a new viable framework for the same. According to this model the said big bang event never occurred to begin material universe. According to this model all the material elements for a galaxy with all its stars

& planets are formed in a GERR. Thus material for each galaxy is formed separately. This is why GERR & great cloud like phenomena should exist elsewhere in deep space. And SERR, PERR and ESR like energetic activities should exist in our solar system to hold our sun and planets in precisely balanced orbits; hence they should be discovered in near future by Astrosat like space observatory.

Recently launched ISRO mission 'Astrosat' (a mini Hubble like Indian space observatory launched on 28.9. 2015) is able to probe the deep space in multi wave length including black hole, white dwarfs, comets and galaxies with entirely new perspectives. It will measure infrared and ultraviolet first times in space to analyze short term and long term intensity variations in active galactic nuclei.

Hence Astrosat should detect GEP, GERR, SERR, PERR, ESR like force fields as matter forming and assembling process should continues elsewhere in deep space in such force fields. These force fields should give off resonances in different wavelengths and they should be identified & detected by the Astrosat to discover a new operational mechanism for the material universe.

It should also detect planetary ESR like spherical force field which originates and holds fundamental forces to act on a planet. Identification and detections of such GERR, SERR PERR and ESR like resonant force fields will validate such a new framework. The Astrosat should also be able to detect OSTCRW and ISTCRW like resonant energy in earth's PERR & ESR. The recently observed helisphere should be probed in detail by Astrosat. This helisphere should be Solar ESR that makes & holds all the properties of solar systems as discussed earlier.

Asamanya vishwa model presents a unified framework of explanations for the origin of material universe without the big bang. It explains all the mysteries behind the beginning and development and evolution of material universe without well approximated & theorized starting event 'big bang'. As such scientists should explore the Asamanya vishwa model dependent realities to develop a unified theory which should make a viable framework of explanations for nature and its laws with new irrefutable evidences.

The above cited new framework is also able to explain that how does a black hole exist and work; how a galaxy earns spiral form & shape with spiral arms above the galactic inner hollow portion; how a past GEP acts like a black hole for all the great clouds originated in a GERR. This is the mechanism by which a black hole like phenomenon is existed & operated at the central place of a galaxy. Hence, a present GEP is a gate way to manifest material universe and a past GEP is gate way to inhale a material universe.

Let us discuss modern theories to compare, substantiate and analyze Asamanya vishwa modes in detail.

The Modern Theories V/S Asamanya Vishwa Model:-

Man has been developing theories and beliefs based on mathematical calculations, assumptions, approximations, observations, logic and experiments since the beginning of civilization to explain laws of nature, natural forces and natural processes that should originate, design, construct, maintain and govern the material universe. Each of ancient civilizations finally puts forth, supports and follows the well developed concepts of GOD or a supernatural power in the form of a mythological mechanism in which imaginary starting natural events are assumed, approximated, calculated & organized based on

certain mythological inputs to explain the origin, development and existence of the universe and life on the earth.

Modern scientists have developed modern theories & models substantiated partly by experimentally derived & observed facts and findings. Modern theories have rejected main mythological currents by proposing scientific mechanisms for the same on the basis of newly earned scientific insights based on remote sensed feed backed data & telescopically observed properties of the material universe. Thus the major part of modern theories rests on mathematically based assumptions, calculations, approximations and speculations; not on practical experiments and resultant facts & findings for example stellar theories. It seems that on the one hand experimental facts & findings with telescopic data were wrongly calculated, approximated & interpreted in order to substantiate & match theoretical properties & approximations forcefully. On the other hand new advances in theoretical physics are made in order to match the experimentally culminated facts and findings. In both the cases their efforts are biased.

As such all the modern theories regarding the origin and evolution of material universe depend on model dependent realities instead of experimentally determined facts and findings. Although different types of radiation maps are able to detect, identify, observe & measure a few surface galactic & stellar properties, scientists have to mainly depend on model dependent realities for other main galactic & stellar properties, like their origin, composition and working.

Western thinker Stephen Hawking in his book *Grand Design* warns us against the modern model dependant realities, limitations, possibilities, predictions and their inabilities especially to produce quarks in laboratory; even they have developed well defined theories to explain nature & its laws. In fact, they are unable to formulate or theorize any starting energy, process and energetic space to make elementary particles and fundamental forces. Let us discuss standard model.

According to the standard model of subatomic physics time, matter, energy and space, all came into existence 13700 million years ago. This early universe was smaller than a pinhead, hot and ever dense. It begins to explode in such a manner that matter and antimatter were created spontaneously from the energy released by explosion, called hot big-bang beginning. Ever since it has been cooling and expanding. The big bang created virtual particle pairs- one of matter and one of antimatter. They annihilate each other incompletely, the rest of the matter and antimatter particles decay into 6 types of quark & 6 types of lepton called fermions and 4 types of gauge bosons. Three gauge bosons except graviton have been detected & well established so far.

The electrons and quarks were most numbered elementary particles after the big bang. The 'two up quarks' and 'one down quark' combined to form vast quantities of protons with positive charges, while 'one up quark' and 'two down quarks' to form neutrons with no charges. Most of the protons were destined to become the nuclei of hydrogen atom but collisions between protons and neutrons started to form nuclei of some other light elements like helium, lithium and beryllium

After the big bang the universe was a formless soup of particles shooting around at the speed of light. A scientist Higgs proposed the existence of a mechanism by which matter gains mass. He argued that if there were an invisible field responsible for the process, it must be made up of particles called GOD particles. Higgs clearly admits that there must be an invisible field that commands and manages the mass gaining processes.

Although the existence of this Higgs Boson or GOD particle has not been validated by the CERN even after several years of long research and experiment during its first phase of big experiment in LHC, it is theorized that Higgs boson is believed to confer mass and is a building block of the mass. Initial mass makes nebula which earned gravity. Then the gravity begins to cause gas atoms to come together to form individual galaxies and stars.

Thus, they have theorized that the ordinary matter and dark matter of the universe is bunched together into approximately 10 billion galaxies. Most galaxies have billions of stars and large clouds of gas and dust called molecular cloud. However modern scientists are not certain about origin & operational mechanism of the 'gravity'. As such they have not yet been able to explain how initial nebular masses evolved before the force of gravity. They think that all the fundamental forces were united in a single super-force before the beginning of material universe. Then it was separated into four fundamental forces to hold & govern the material universe.

Modern theoreticians in their endeavors to overcome the obstacles to explain the big bang theory in scientific terms have explored several approaches which include the quantum gravity, vacuum fluctuation, inflationary universe models, oscillating universe hypothesis and finally the GOD particle theory. In fact, these approaches too have not yet been able to explain starting realities to begin and hold the material universe through a single large explosion 'big bang'.

The 'GOD Particle Theory', a new version of standard model, won the Nobel Prize in Physics 2013 for theoretically suggesting how the universe begun from a dense energy point, smaller than a proton, in which all matter, energy, space and time were coiled. According to GOD particle theory 13700 million years ago the said explosion 'big bang' begins to heat, expand, spread and inflame it to transform its energy directly into elementary particles with a single supernatural force. This single supernatural force separates into 3 fundamental forces to begin, construct, govern & maintain starting atoms. Collision with Higgs bosons resist atom's speed to get them together to confer mass which from a nebula. Nebular gas and dust develop last fundamental force "Gravity" to condense a nebular part into first star, residuals around it into planets and centre into first galaxy. This expanding, spreading and inflaming Nebula forms billions of individual galaxies, stars and planets similarly.

This is the new version of standard model "The God Particles theory" which does not explain how, why and where did energy turn directly into elementary particles and single super natural force? How did a single point of energy produce such a huge quantity of matter to form such a vast material universe? How did a single point of energy produce such inflaming and expanding matter to make new galaxies, stars and planets billions in numbers? The global science community has recognized theoretically 'Higgs boson theory' as a new version of standard model; because scientists are not able to theorize any viable mechanism to originate and hold the material universe without big bang event.

Scientists are trying to develop grand unified theories to unify all the fundamental forces. Although one of grand unified theories 'the string theory' is in its infancy, it defines elementary particles in term of closed strings vibrating at certain frequency and composite particles in term of multiple closed strings vibrating at different frequency called membranes. This theory tries to mathematically model the behavior of fundamental forces to make and hold universe on a new scale. According to it same kind

of strings vibrating at different frequency can form different elementary particles; for example an electron is a piece of a closed wavy string vibrating at a certain frequency; while a quark is identical piece of same kind of a closed wavy string vibrating at different frequency. The theoretical descriptions of these closed vibrating strings include a description of wavy structured elementary particles; for example closed loops of strings have multidimensional closed wavy structure vibrating at certain frequency to make fermions while gauge bosons are formed by the similar multidimensional closed wavy structure vibrating at different frequency. They assume that energy of such vibrations transforms into mass, charge and volume. This proposes a new framework which tries to reconcile Einstein's theory relativity with the quantum mechanics. They think that string theory can be used to make a unified theory of gravity unified with the other fundamental forces and it is an effective framework for understanding elementary particles with more deeply unifying all the four fundamental forces.

The Grand Unified Theory (GUT) seeks to explain how three fundamental forces except gravity could be united as one 'super force' at extremely high temperature just after big bang. The strong force separated from the other two when temperature is dropped just after the big bang. Similarly the electroweak theory implies that the weak interaction and electromagnetic force are united at high temperature and energy in the electroweak force. They separate from each other when temperature had dropped sufficiently.

As such regarding unification of four fundamental forces various theories have been proposed, but none is entirely satisfactory as all are developed to substantiate and explain big bang event and resultant origin & separation of four fundamental forces for formation of material universe. A problem in testing any GUT is that the creation of gauge bosons would require far higher energy than can at present be created on earth. But attempts are being made with the second run of LHC. Scientists hope that ongoing second run of LHC will discover and reveal new evidence & new particles for new physics beyond the GOD particles theory and standard model of particle physics.

Thus no modern theory is able to explain virtual origin of fundamental forces and elementary particles to make and hold material universe. Now we are in the position to seek the answers based on Asamanya vishwa model to compare with modern science for the following questions for better understanding to suggest a perfect uniform mechanism for origin, development, existence of the grand universe which contains all the galaxies together.

Q.1.What is starting energy that exists before the beginning of material universe to begin it?

Ans:- According to Asamanya vishwa model (AVM) the eternal resonant wavy energy is the starting energy that existed before the beginning of a material universe. We know that an elementary particle to a galaxy like giant space object resonate at certain frequency. This is why that everything must have been originated by the resonant energy. If the nature of different energy forms we know today is reversed, it leads back to a resonant wavy world where all the matter and energy were in the form of eternal resonances. As such eternal resonance is fundamental energy that existed without matter before the beginning of material universe. Such energy should be able to trigger & hold a starting energy conversion chain to originate elementary particles and fundamental forces to begin the material universe into form of GEP and GERR.

According to modern science (MS) the universe is expanding and so it stands to reason that in the past everything must have been concentrated into a tiniest single point. As such energy in the said tiniest single point is starting energy which explodes & transforms into all the elementary particles and fundamental forces to begin, inflame, develop and then expand material universe. Although this is the origin of explosion called big bang, but they do not specify any form & nature of starting energy to begin big bang.

Q.2. How, why and where does a starting energy trigger a starting energy conversion chain in the empty universe to make elementary particles and fundamental forces to begin, develop and hold the material universe?

Answer: According to Asamanya vishwa model (AVM) there are eternal resonances as starting energy in the universe. Such eternal resonances compose open resonant waves which travel in bundles. The two bundles of this starting resonant wavy energy 'GE' come close coincidentally to interact with each other to coil their whole energy into tiniest point 'GEP' between them to begin a long lasting starting energy conversion chain. This chain is followed by so many smaller intertwined chains of energy conversion in form of GERR and ESR to begin, develop, operate and hold a natural mechanism to make and hold a material universe (a galaxy and all its stars & planets).

According to modern science (MS) a single supernatural event 'big bang' is responsible to originate, hold and operate an ever lasting starting energy conversion chain to begin, develop and hold an ever expanding material universe which contains billions of galaxies, stars and planets.

Q.3. How, why and where does the starting energy coil into elementary particles to compose starting atoms to make and hold starting space objects?

Answer:- According to AVM the starting energy is resonant wavy energy which interact to coil into GEP to make OSTCRW to compose a GERR. A GERR makes ISTCRW (G) which split into different sized pieces of open wavy strings and then they are coiled into all the elementary particles at the middle of the same GERR. Then elementary particles 'gauge bosons' make and carry all the fundamental forces from the following ISTCRW (G) to act on the rest of elementary particles 'fermions' to make composite particles. Thereafter composite particles are able to make atoms which form starting space object 'great cloud'.

According to MS there is no ISTCRW like starting energy to split & coil into elementary particles. As such all the elementary particles and fundamental forces are produced directly through an unspecified energy released by the big bang. Around 14 billion years ago the whole universe was inside a bubble which was far smaller than a pinhead with extremely high temperature and density. Then it suddenly exploded to grow unlimited energy to form all the elementary particles and three fundamental forces except gravity to originate, construct, develop, govern and hold ever inflaming & expanding gaseous nebula which begin to develop gravity. Then gravity is able to condense nebular gases into individual galaxies and stars billions in number.

Q.4. How, why and where do gluons earn strong force to glue elementary particles 'quarks' into permanent threes to make composite particles to compose nuclei?

Answer: According to AVM the ISTCRW (G) from the circumference of GERR are combined & intensified at the middle of GERR to energize & equip gluons with strong force to make interaction to glue the quarks into permanent threes to compose composite particles to make nuclei. After the withdrawal of GERR, the ISTCRW (E) from the

circumference of the ESR are able to equip gluon with strong force to bind & hold the quarks into permanent threes to hold the composite particles in existence. Then composite particles are able to make & hold electromagnetic properties from the same ISTCRW through the photon to form & hold nuclei which attract & hold the electrons to make atoms.

According to MS the gluons carry strong force to make strong interaction to glue the quarks into permanent threes to make composite particles; it does not describe any direct source, origin & mechanism for fundamental force 'strong force' to energize gluons and its operational mode. Similarly they do not specify any particular space for such processes. They believe that a super force existed just after the big bang was separated into three fundamental forces to make, develop, hold & rule a nebula which develop last fundamental force 'gravity' to condense nebular gasses into space objects.

Q.5. How, why and where are simple hydrogen atoms appreciated into heavy atoms?

Answer: According to AVM under the influences of inward-outward spiral rotation around an EP along the middle of a GERR or SERR or PERR the simple atoms are able to smash & merge into each other to appreciate existing nuclei into heavy nuclei. The composite particles also smash and merge into existing nuclei to appreciate them.

There is no clear mechanism to appreciate existing nuclei in nature according to MS. They theorized on the basis of some nuclear experiments that intense collision among the atoms leads nuclear fusion to make heavier atoms at extreme high temperature.

Q.6. How, why and where do individual atoms come together to earn mass to make space objects?

Answer: According to AVM the streamed atoms are able to make mass by inward-outward spiral rotations around the EPs along the middle of a GERR to make starting space objects 'great clouds'. After the disappearance of GERR the great clouds develop ESR to make and hold the fundamental forces to act on it. Similarly stars masses are formed at the middle of SERR by the inward-outward spiral rotation from the galaxy approaching great clouds and planetary masses are formed at the middle of PERR from the remainders of great clouds around the star.

According to MS a theorized boson 'Higgs boson' is responsible to confer mass; they do not specify any particular space where such natural processes can be occurred to make mass. They think that without the Higgs boson the universe would have been a formless soup of particles. It is the Higgs boson which brings flying atoms together to make a mass. They do not specify any specific process to make mass from flying atoms.

Q.7. How, why and where do space objects get spinning, and orbiting motion?

Answer: According to AVM at the middle of GERR or SERR or PERR a space object is formed and it earns orbital motion through the ISTCRW originated from the circumference of a GERR or SERR or PERR. While axial spin is originated through the ISTCRW (E) from the ESR.

According to MS a nebula develops gravity that condenses them into a space object and causes axial spin. When such a spinning space objects comes under the influences of gravity of other larger space object, it begins to orbit the larger space object. Thus gravity makes and holds a space object with perfect orbital and spin order according to MS.

Q.8. How and why is some matter used to form galaxy, while some is used to form stars and planets?

Answer: According to AVM the starting matter is originated and accumulated in the form of great clouds at the middle of a GERR. They rush towards the past GEP inward spirally and merge into each other to form galaxy around the past GEP. When a great cloud reaches near the galaxy, it merges into it to make a SERR. The galaxy-approaching great clouds are entrapped into SERRs to compose stars around the galaxy. The star originates PERR in which the material of a great cloud enters, accumulates and makes a planet at its middle.

According to MS there is no clear mechanism to form galaxies, stars and planets separately. They think that big bang event produce direct elementary particles to form gas and dust to make an expanding and inflaming nebula which develops gravity. Then the gravity condenses larger nebular parts into galaxies and smaller parts into stars around the galaxy and nebular remainders form planets around the stars under the influence of immense stellar gravity.

Q.9. How & why do from an elementary particle, nucleus and atom to galaxy like giant space object resonate at certain frequency?

Answer: According to AVM universe is nothing than resonance. Before the beginning of the material universe all the energy & matter was in the form of eternal resonances they were traveling into vast empty space. All the elementary particles are made by coiling of the open resonant waves into closed resonant waves. This is why an elementary particle to a giant galaxy resonates at certain frequencies.

According to MS all the elementary particles are coiled form of waves and they resonate at certain frequency under the influence of their inbuilt natural mechanism and cosmic waves. This is why an elementary particle to a giant space object resonates at certain frequency.

Q.10. Why and how do galaxies apart from each other to make universe expand?

Ans. According to AVM all the existed galaxies are getting great clouds one by one till today to produce new SERRs to make new stars and planets. When a galaxy gets a great cloud, its overall material increases; as a result its ESR increases and covers more spherical space to push other galactic ESR away. This process makes all the galaxies rush away from each other making grand universe ever expanding.

According to MS telescopic observations enable space scientists to detect and measure that each galaxy is rushing away from other galaxies at high speed. Although from this observation they are almost certain that universe is expanding, but they are not certain about the mechanism that how & why galaxies are rushing away from each other.

However, modern theories with experimentally established facts, findings and observed properties of celestial bodies enable us to understand the universe from elementary particles to galaxies with provided insights and model dependent realities. Contradictions among the various theories allow us to reexamine natural processes to reanalyze, reorganize and then recreate them to explain origin and development of observed properties of the material universe. This leads an evolution of a mathematically based uniform framework and resultant realities for the same which should explain the universe in its virtual form from the beginning.

The observed properties of universe from radiation maps of galaxies establish that each celestial body is held in the torus shaped force field in the form of an orbital plane

around a parent space object to orbit it. Simultaneously each spherical celestial body is held in spherical shape and size by a spherical force field which is held by a torus shaped force field. This is why we start with our first query for the origin, design and formation of a large torus shaped force field to trigger & hold a starting energy conversion chain to make and hold the first elementary particles & fundamental forces to make & hold starting masses to begin a material universe without the theoretically well established starting event 'big bang'.

This is why that we approximate that the OSTCRW produced by the GEP rush or transmit outwards, they increase their overall size to cover larger torus shaped space. The OSTCRW are prevented from transmitting outwards after a certain distance as they are not able to increase their wave's size any more. As a result the OSTCRW are accumulated in an enormous torus shaped empty space. In this torus shaped space OSTCRW begin to interact with each other to compose a torus shaped enormous force field 'GERR'.

A GERR contains trillions-trillions closed resonant waves in most enlarged size and in their most subtle forms. They all resonate at very high & multi dimensional frequency. Its circumference is ever energetic to originate ISTCRW (G) which are able to transmit inward spirally towards the middle of GERR. They are gradually narrowed, energized and intensified towards the middle. Their diameter is far less than a proton but they have extremely high energy when they are nearest to the middle. They at once split into numerous different sized short pieces of open wavy strings when they strike at the middle. As such, each ISTCRW (G) splits into numerous different sized pieces of open strings vibrating at certain frequency. Then open wavy strings are coiled into different sized closed wavy strings vibrating at certain frequency under the influence of the following ISTCRW (G).

Closed wavy strings are able to clump together to form the elementary particles. The 4 types of elementary particles 'gauge bosons' are able to make and carry four known fundamental force from the following ISTCRW (G) to act on 12 fermions at the middle to compose composite particles. Thereafter composite particles are able to make atoms to make a streaming ring of atoms under the influence of the same ISTCRW (G). The streaming ring of atoms at once develops powerful electromagnetism to make and hold several EP along the middle of GERR. Each EP is able to attract & put an inward spiral rotation on each atom of a group of streaming atoms.

Now atoms begin to spiral inward towards the EP. When an atom nears the EP with an inward spiral rotation, it picks up ever high speed to earn centrifugal force to turn its inward spiral rotation into outwards spiral rotation to escape EP to reach at the middle of GERR. At the middle of GERR the same atoms earn again inward spiral rotation to reach the same EP again and so on. Each atom repeats similar inward-outward spiral rotations around an EP several times till it bunches with other inward-outward rotating atoms to make an inward-outward rotating starting mass.

Either the atom goes inward or emerges outward spirally; the spiral direction of the spiraling atoms will be the same. Thereafter, this starting mass develops into a rotating and orbiting disc shaped space object by getting all the streamed atoms of a group together. The group implies atoms which have a common EP for inward-outward spiral rotation around it. Thus an enormous ring of streaming atoms breaks into numerous outward-inward rotating masses 'great clouds' along the middle of GERR.

At this point of time the GEP has recoiled it's all the energy. As a result the GEP is vanished and the GERR is withdrawn to end matter originating processes. Now so originated atoms are not able to get needed fundamental forces from the circumference of GERR to remain in existence; they become unstable at once & begin to radiate radio active energy. Such radioactive radiation is able to compose OSTCRW to compose an ESR at large distance to enclose the expanding & decaying great cloud. The circumference of ESR is able to originate and transmit ISTCRW (E) towards the center of ESR to make all fundamental forces to stabilize and push the atoms inwards spirally to shape a great cloud into a sphere.

After the withdrawal of the GERR and GEP, the great clouds act like an orbiting & falling object into the past GEP. The past attraction pull of the past GEP have equipped the great clouds to rush inward spirally toward the past GEP like a self-guided missile. When two or more great clouds reach near the past GEP at the same time, they enter into each other's ESR; they then merge into each other to orbit the past GEP to form a galaxy. It develops galactic ESR to remain in existence.

The ISTCRW (E) form the galactic ESR are able to make and carry fundamental forces through the gauge bosons to transmit and act on the new galaxy to keep it in existence and prevent it from falling into past GEP which now acts as a black hole for all the matter originated in a GERR. The inner hollow portion remains empty in respect of material elements. But some of highly subtle boson like particles continues to fall in the past GEP to recoil their resonant energy into the GE again.

In fact, according to Asamanya vishwa model dependent realities, this black hole has no gravitational force to attract things but all the matter around it is enforced by ISTCRW (E) form galactic ESR to fall in it, but the centrifugal force prevent the material from falling in it. However, scientists explain a black hole as a tiny region of space that, due to its immense gravity, is cut off from the rest of the universe and it engulf every thing that passes very close to it.

The each great cloud merges into galaxy to make or add a spiral arms. Thus spiral arms of a galaxy are continued to form. The spiral arms of a spiral galaxy move inward & outward. When inward spiral rotation is not so accelerated to originate high centrifugal force, the material of galactic spiral arm goes inward; similarly when the centrifugal force convert its inward spiral rotation into outward spiral rotation the same material comes outward. The inward spiral rotational force makes a centripetal force which leads an object to fall into a centre of its inward spiral path. When inward spiral rotation is accelerated beyond a limit near the GEP the centrifugal force is originated which is able to transform inward spiral motion of an object into outward spiral motion. The equilibrium of the inward-outward spiral rotating forces or equilibrium of the centrifugal force and centripetal force hold the spiral galaxy around the past GEP.

When a great cloud merges in the galaxy, it releases nuclear energy. Such a nuclear energy is combined to make OSTCRW to compose a SERR. When a great cloud enters a SERR its hydrogen atoms earn a strong inward spiral push towards its middle to accumulate & form a ring of streamed atoms there. The electromagnetism triggered by streamed atoms is able to originate several electromagnetic or energetic points along the whole middle. The electromagnetic point transmits electromagnetic current in multiple pairs to act on the atoms to originate inward-outward spiral rotations as discussed earlier. This divides the ring of atomic stream into several groups. Each atom of each group has

an inward-outward spiral rotation around an electromagnetic point. These electromagnetic paths send round an atom with inward spiral rotation leading it to the electromagnetic point. Near the EP each atom earns centrifugal force to transform its inward spiral motion into outward spiral motion to make a cycle of inward outward spiral rotation till they bunch into a starting mass.

Thus each group of inward-outward rotating atoms develops a mass around the electromagnetic point to form disc shaped molecular cloud like starting stellar masses. The heavy atoms like helium, lithium, beryllium, boron and carbon are formed during the inward-outward spiral rotations by collisions and merging of existing nuclei into other nuclei. At this point of time the SERR is faded. The circumference of the faded SERR is not able to originate enough potent ISTCRW to transmit and act on molecular cloud like stellar masses to keep heavy atoms stable. As a result the heavy atoms become unstable and begin to decay radioactively. This process releases regularly immense radioactive energy around the star masses to compose & hold star ESR. This star ESR originates ISTCRW (E) to act on the atoms to keep them stable at lower atomic mass than that of hydrogen and helium. This is why the star contains hydrogen & helium mostly.

With the help of the star ESR a principal star is able to engulf other minor stars originated within the same SERR to make a full fledged star. The circumference of the star ESR originates & transmits the ISTCRW (E) to push every thing inward spirally towards its centre to make star gravitation around as discussed earlier. The ISTCRW (E) from the star ESR are enough intensified at the core to keep it most active to trigger nuclear reaction there to generate different form of energy to enable star to make huge energy to make & hold present stellar properties; this energy finally radiates outside to combine into OSTCRW to make & hold PERRs around for the formation of planets.

Although scientists consider a huge mass of gas and dust in interstellar space as a molecular cloud that condenses into a star finally, we use this term “*molecular cloud*” for an accumulating mass at the middle of a SERR from the great clouds or interstellar nebulae. The atoms with the inward-spiral rotational motion are always greater in number than the atoms with the outward-spiral motions in all space objects, so they are able to form and keep a space object together. Atoms with inward spiral rotation have equipped themselves with a tendency to go inward spirally towards the centre of the mass through an inward spiral path to originate weight & pressure. In this process inward and outward rotating atoms should clump with each other to make mass. According to our new understanding in each mass or material object its constituent atoms have inward outward rotating force to clump with each other.

This way Asamanya vishwa model is able to model a uniform framework for a starting energy conversion chain that trigger & hold a uniform mechanism to originate & organize matter into different sized & shaped space objects. In this model each space object has individual ERR & ESR in which its matter is accumulated, condensed, assembled and held together to keep it in a precisely balanced orbit around a parent space-object. Hence, Asamanya vishwa model enables scientists to get entirely new insights about many well established areas of modern sciences.

Now we are able to discuss about our galaxy ‘The Milky Way’

The Milky Way:-

The Milky Way is our local galaxy. It is believed that it is a spiral galaxy which has a diameter of around 100000 light years and contains 100 billion stars as well as

many large clouds of gas & dust. Scientists, based on different types of radiation maps and telescopic observations, approximate that there is a huge black hole near the centre of the Galaxy; it swallows anything passing too close. Infra red and radio map of our galaxy reveals that a galaxy exists in spiral plane called galactic plane. Big nebulae and stars are spirally arranged in this galactic plane. However stars are observed above and below this galactic plane where no nebula is found. A nebula is made of clouds of dusty gasses and found within galactic plane. The central part of our galaxy is relatively small and dense. The galactic central region holds mainly old stars called central bulge. The spiral arms comprise of mainly different types of stars and nebulae.

Modern astronomers approximate from celestial observations through the panoramic optical, radio and infrared maps and dependent analysis that our galaxy was formed around 8000 million years ago by the material created through the aforesaid big bang event. The dome shaped and gaseous revolving mega centre of our galaxy is made of swirling clouds of volatiles and older stars above the inner hollow portion or nucleus according to their interpretation from observed properties of the galaxy. It contains four outward spiraling arms. The Milky Way holds a wonderful and perfect orbital arrangement of billions of stars & nebulae like space objects in disc shaped spiral region or galactic plane around its center. Some of stars have planets around them. This is the brief history of our galaxy made by modern scientists that does not explain major observed properties of a galaxy and different types of celestial bodies around it in disc shaped spiral region.

The Asamanya vishwa model is able to explain all major events and steps scientifically for the same that we discussed earlier. Our galaxy is arranged as a vast disc of different types of celestial objects including stars, planets, satellites and interstellar mediums of dusts and gases called nebulae in a disc shaped spiral region which begins from the past GEP and ends with a torus shaped region of past GERR. This spiral region compose galactic plane. Nebulae like celestial bodies are made of great clouds; they are rushing inward spirally towards the past GEP or center of galaxy in this galactic plane. This is why they make disc of spiral arms around the past GEP to compose galaxy. Although most of SERR are exists in galactic plane but many SERR exist around galactic plane to make stars above and below the galactic plane from the great clouds. All the SERR have to exist either in galactic plane or they should cross the galactic plane to get material from the grate clouds. This shapes a galaxy in oval shaped region. The nebulae are exists outside the SERR. When new a SERR is formed it accumulates material from these nebulae to make new stars and planets and so on.

Each space object in this disc shaped galactic region is held by an orbital plane around a bigger space object. Thus the space of the past GEP is the center of this disc shaped region and the torus shaped vast region of the past GERR is the outer edged of our galaxy. From the past GERR or now outer edge of a galaxy all the starting space objects 'great clouds' are inward spirally rushing towards the past GEP to make a galactic plane. They are able to form stars and planets like space object in SERR and PERR around the galaxy. This is why that the Milky Way is arranged in torus shaped region as its outer edge and a tinny empty space 'the past GEP' as its center. This make a disc shaped spiral region from past GEP to past GERR to make and hold our galaxy as discussed above. Let us discuss about the stars separately on the basis of Asamanya vishwa model dependent realities.

STAR, STAR PAIRS and STAR CLUSTER IN OUR GALAXY:-

Modern approach:- Stars are found as an individual star with planets or without planets, star pairs and star cluster. Normally, a star pair does not have any planet around it. Star clusters have 10 to 300 stars without any planet.

Scientists split the light of a star into its spectrum and analyze it to determine its temperature and luminosity to classify stars. Astronomer Hertzsprung and Henry Norris Russel showed that when the surface temperature of stars is plotted against their luminosity on a graph “the H-R diagram”, well defined groupings appear.

Two main groups contain dwarfs and giants. Nearly 90% of stars are dwarfs. The rest make other groups: red giants, super giants and white dwarfs. Such a graph enabled astronomers to set a model for stellar evolution but they still based on assumptions about the star’s internal structure and mechanism.

In 1920 two scientists showed firmly that stars are made primarily of hydrogen and helium. In 1950 scientists with Fred Hoyle established how energy is produced; explained how increasingly heavy elements are formed in the nuclear reactions inside the star and proposed a model for star formation and the stellar life cycle. They believe that stars are vast balls of spinning hot luminous mainly hydrogen gas which start life in clouds of gas and dust called molecular cloud. Their light and heat is produced by nuclear reactions, and mass lost in the process is transformed into energy.

According to this stellar life cycle a cloud of hydrogen or nebula starts to develop gravity to condense it. Its gravity pulls gases into the core where the density, pressure and temperature build up to form a proto star. In falling gas earns speed creating a rotating disc from which two jets of gas are released. The proto star’s outwards pressure and inward pressure of gravity balance each other. Unused gas and dust make tiny pieces that join together to form planets around the star. As star continues to transform hydrogen into helium, it gradually becomes larger and more luminous. When the core has been converted to helium, it collapses; the core gets hotter and the outer layers of star material are thrown outwards.

The star transforms into a red giant, up to 100 times larger than before. The core becomes so hot that nuclear reactions convert helium to heavier elements. As the core becomes hotter still the star’s surface is blown off and starts to form a planetary nebula. The dying star is surrounded by a planetary nebula- a ball of gas and dust that slowly disperses. The remainders make white dwarf. The nuclear fuel has been spent and this earth sized star fades until eventually it will be a cold, dead black dwarf star.

This is the modern star cycle that left behind several unanswered questions that allow us to reconstruct the entire star cycle based on Asamanya vishwa model dependent realities to make better understanding to answer them. According to Asamanya vishwa model a star begins its life along the middle of a SERR from the great clouds. It becomes massive and then begins to be denser and smaller as a dwarf; finally it vanishes in the same SERR. Thus a star begins and ends its life in a SERR. Now let us turn our focus on the star pairing to make planets.

The Star pairing:- According to Asamanya vishwa model in a SERR, two or more stars develop their own ESR that leads them to form double star or paired star; they orbit each other and collectively orbit the galaxy. Although the ESR prevents stars to merge into each other for long time they form star pairs before they merge into each other

to form a planet. Thus so many stars can be formed into a SERR to form star pairs, principal star and star clusters.

The larger number of star pairs indicates us that most of stars in the universe are young and are in the way to merge into each other to have planets. The star pairing is a process to originate a planet around them according to our new model. One day majority of stars will merge into each other that make stars less and planets more in numbers in our galaxy through the discussed process.

Proposed approach for the planets:-

According to Asamanya vishwa model the stars in the faded SERR develop star ESR as discussed earlier. The ESR holds a star at its centre and slows down its orbiting motion. This leads other stars in the same SERR to come near it to make a pair. In due course of time they are merged into each other forming one PERR around to assemble the planet from the residual material of great clouds.

When this material accumulates & condenses into a streaming ring at the middle of a PERR, its electromagnetism is able to originate several EP along the middle. Each EP at once transmits & acts electromagnetic current in multiple pairs on the streamed atoms to originate & put an inward-outward spiral rotational pull on them. During the inward-outward rotation hydrogen atoms smash into each other to form heavy atoms. This breaks and condenses the whole streaming ring of material into several disc shaped rotating masses which finally merge into one.

At this point of time, the PERR fades that leads radioactive decay in planetary mass to release immense radioactive energy around. This energy compose OSTCRW to develop an ESR which reshapes planetary mass into spherical one and keeps it at its own centre and enables it to float in the faded PERR around the star to orbit. The fundamental forces stabilize the unstable nuclei at lower atomic mass according to intensity of ESR.

When high concentration occurs, similar atoms join together to form element molecules, different atoms join together to form compound molecules, while two elements or two compounds together form mixers through different types of ionic bonding & nucleic binding to form a solid planetary body.

After the formation of a planetary body, the growing star produces the next PERR, by merging new star from the same SERR, beyond the present PERR to form the next planetary body. Each merging of two stars produces mega explosion in the principal star to create a new PERR and a planet.

After that no mega explosion takes place because all the stars in the same SERR have been merged into a principal star. This ends the process to form PERR & planets. Now the star begins to release different types of normal radiant energy through normal nuclear fusion reactions in the core to fuel the faded PERRs to hold the planets in precisely balanced orbits.

Some new concepts appear in the process to explain our new framework for origin, development and operation of a material universe. Let us discuss some of newly theorized significant concepts of Asamanya vishwa model individually as under:-

GE:- Great Energy is a starting energy that contains eternal resonances which form open resonant waves according to our approximations to explain newly theorized starting conditions of the universe. They should reconcile with the other known forms of energy. Each bundle of GE contained numerous open resonant waves. The GE only was present before the beginning of material universe.

GEP:- A GEP is a non material but it is an ever powerful multidimensional energetic object which is formed in empty space to begin matter originating processes when two bundle of GE come close & interact with each other. The interaction between two bundles of GE enables their tremendous resonant energy to flow inward spirally to coil into an ever dense energy point ‘GEP’ in a miniscule empty space. A GEP acts like a multidimensional revolving powerful electromagnet and is able to transform its energy into OSTCRW to accumulate and compose a huge torus shaped force field ‘GERR’ at large distance. Thus GEP is a short lived non material energetic object and it is made by the coiling of GE into a tiniest space to form a torus shaped force field & a starting energy conversion chain to begin & hold matter originating processes efficiently.

OSTCRW:- There are different kind of outward spirally transmitting closed resonant waves (OSTCRW) to accumulate and compose torus shaped force field in the form GERR, SERR, PERR and different types of spherical force fields ‘ESR’. The first kinds of OSTCRW are originated by the GEP to accumulate in a torus shaped huge space to compose a GERR there. We can call such closed waves OSTCRW (G) to understand better because they compose a GERR. After the withdrawal of GEP the OSTCRW (G) are faded. As a result the space from the GEP to GERR fills with faded OSTCRW (G) which split to compose cosmic back ground radiation to permeate galactic and stellar surroundings.

The second types of OSTCRW are formed by radio active radiations from the decaying great clouds or galaxies or stars or planets. This radioactive radiation from the respective space object transmits outwards in a spherical space to transform into OSTCRW to accumulate and compose ball shaped ESR or force field at large distance; we call such OSTCRW (E) because they compose ESR.

On the other hand the nuclear energy from a galactic portion is able to combine into OSTCRW (S) to accumulate in a torus shaped space around the galaxy to compose a torus shaped SERR to make and hold stars from the great clouds. Then star release nuclear energy to combine into OSTCRW (P) to compose PERR in torus shaped space around the star. Thus OSTCRW made by the radioactive radiation are able to make a ball shaped ESR, while OSTCRW made by the nuclear energy are able to make and hold ERR like torus shaped force field to make & hold a dependent space object from the great clouds.

GERR:- According to Asamanya vishwa model a short lived GERR is an ever huge torus shaped force field or a active region which is made by the OSTCRW (G) from the GEP. The circumference of a GERR originates ISTCRW (G) to act on the middle of GERR to make elementary particles and fundamental forces at its middle to make & hold all the material elements for a universe (a galaxy with its all the stars and planets).

ISTCRW (G), (S), (P) and (E):-

There are several kinds of ISTCRW. The first kind of inward spirally transmitting closed resonant waves or ISTCRW (G) is originated by the circumference of a GERR. At the circumference an ISTCRW has extremely large circular size. When a large sized ISTCRW (G) moves inward spirally towards middle from the circumference of GERR, it is continued to intensify, narrow and shrink; its overall circular size is reduced and its energy is increased. An ISTCRW (G) carries maximum energy & minimum circular length at the middle of GERR. As such at the middle of GERR the ISTCRW (G) are so intensified and narrowed that they strike the middle to split into numerous short sized

open resonant wavy strings. Now there are numerous short sized open resonant wavy strings to fill the middle. Then the following ISTCRW (G) are able to act as great force on these open resonant wavy strings at the middle to coil them into closed wavy strings. The closed wavy strings begin to clump together in specific proportion to form all the elementary particles under the influence of the same ISTCRW (G) at the middle of GERR. Now the middle is filled with elementary particles.

Thereafter the middle of GERR has a ring of elementary particles; thus the following ISTCRW (G) can not strike at the middle to split into open resonant wavy strings. This is why the following ISTCRW (G) begin to act on this ring of elementary particles at the middle to equip each of them with spin and electric charge.

The elementary particles 'gauge bosons' are able to make and carry fundamental forces from the following ISTCRW (G) to act on the rest of elementary particles 'fermions' to make and hold composite particles at the middle. As such ISTCRW (G) makes and holds elementary particles and fundamental forces to form a material universe (a galaxy and all its stars & planets).

The second kind of ISTCRW (S) is originated by the circumference of SERR to act on the middle of SERR; they are weaker than ISTCRW (G). Although they are not able to split into open resonant wavy strings they are able to make and carry all the fundamental forces through the gauge bosons to act on material of great cloud to condense it into a streaming ring of atoms at the middle to form stars masses.

The third kind of ISTCRW (P) is originated by the circumference of PERR to make and carry all the fundamental forces to act on the middle of PERR to accumulate and compose remainder material of great cloud around the star to compose a planet there.

The fourth kind of ISTCRW (E) is originated by the whole circumference of ESR of a great cloud or galaxy or star or planet to transmit towards the center of ESR. The gauge bosons are able to make and carry all the fundamental forces from the ISTCRW (E) to act on spherical space object to keep it stable and in existence at its center.

SERR:- A SERR is a torus shaped huge permanent force field that is made and held by the OSTCRW released by a nuclear reaction centre in a galactic portion and exists around a galaxy. The material from the residual great clouds is accumulated & assembled into molecular clouds like starting star masses along the middle of a SERR to finally make & hold a principle star.

PERR:- A PERR is a long torus shaped force field around a star where planetary masses are formed from the residual great clouds. The gauge bosons make and carry all the fundamental forces from the ISTCRW (P) to act on planetary masses.

ESR:-

All types of ESR are made by the OSTCRW originated by the radioactive radiation from the concerned space object. Each ESR has a bubble like volume. The ESR of great cloud is made by the radioactive radiation from the unstable atoms of great cloud to originate ISTCRW (E) to stabilize the decaying atoms after withdrawal of GERR and GEP. The galactic ESR is made by the radioactive radiation from the galaxy and able to originate ISTCRW (E) to enable the gauge bosons to make and carry fundamental forces to act on the galactic material. Similarly star ESR is originated by the radioactive radiation from a star to make ISTCRW (E) to make and carry fundamental forces to act on the stellar material. And planetary ESR is made & held by radioactive radiation from a planet to make and carry fundamental forces for the planet similarly.

The Great force and known fundamental forces:-

After the origin of open resonant wavy strings at the middle of GERR the following ISTCRW (G) act as a first fundamental force 'great force' to act on open resonant wavy strings to permanently coil them into closed resonant wavy strings. There should be a boson which is able to make and carry this first fundamental force from the same following ISTCRW (G) to permanently coil open wavy strings into closed wavy strings. Thereafter the same great force is able to act on closed wavy strings to clump them into specific proportion to make all the elementary particles to hold them at the middle of a GERR.

This is why we call it great force because it is able to permanently coil open wavy strings into closed wavy strings and then clump them into all the elementary particles. The great force should be released when closed wavy strings in elementary particles are broken into open wavy strings. It means that the proposed great force should be far stronger than nuclear force or energy. The great force should be released by breaking of elementary particles into open resonant wavy strings. The great force, so released, should be much more powerful than present nuclear energy or atom bomb. Scientists should develop a technique to explore great force to solve energy crisis for ever on the earth with zero pollutions. CERN should be able to perform such experiments to break closed wavy strings in elementary particles into open wavy strings at LHC to detect & identify great force.

According to our understanding the proposed great force should be strongest in the universe because it is able to coil open wavy strings into closed wavy strings which clumped together to form elementary particles to begin material universe. This is why great force should be far greater than nuclear energy and other energy that we know. A highly exploding bomb or a power generator can be designed by scientists to harness and use such everlasting and non polluting source of energy. This source should be cheapest source of energy.

The four of elementary particles called gauge bosons make & carry fundamental forces from the same ISTCRW (G) to act on rest of elementary particles called fermions to make material particles to make material objects. This way great force triggers the process to form closed wavy strings as basic building blocks of elementary particles. Thereafter the known four fundamental forces are made and carried by the elementary particles 'gauge bosons' from the same ISTCRW (G) to act on rest of elementary particles to make material elements.

Now the ISTCRW (G) are able to act on elementary particles 'gauge bosons' to make and carry four known fundamental forces to act on rest of elementary particles 'fermions' to make and hold composite particles at the same middle of GERR. Thereafter under the influences of same fundamental forces composite particles are able to make nuclei to make atoms.

Thus proposed additional fundamental force 'great force' is essentially required to coil the open wavy string into closed wavy strings and then to clump closed wavy strings together into elementary particles. After withdrawal of GERR there are no great forces present to coil the open wavy strings into closed wavy strings and then clump them into elementary particles. Thus great force is appeared only at the middle of GERR to make all the starting matter in huge torus shaped region only. On the other hand the known

fundamental forces can be originated by the GERR, SERR, PERR and ESR to act on material within them.

Shape of Universe: -

Telescopic observation of a large torus shaped region of NGC-7049 in deep space reveals that a cluster of huge material is being formed in a torus shaped space to make a galaxy. As such NGC-7049 provide a irrefutable evidence that the matter for a galaxy is originated and arranged in a GERR like torus shaped space around a central point 'GEP'. All the starting space objects are formed along the middle of a GERR and they have to go towards the past GEP after the withdrawal of GEP and GERR. The disc shaped space from the past GEP to the past GERR is region in which great clouds move and make celestial objects. This is why all space objects are formed and arranged in disc shaped region around a central point 'Past GEP'. This disc has outer edge as an enormous torus shaped region 'the past GERR'. They all are arranged in a disc shaped region which spread outwards from the past GEP to past GERR. In this disc all space objects including galaxy, stars and planets and nebulae in interstellar voids are made from the great clouds. This disc begins from the past GEP as its center and ends with a torus shaped region of past GERR around as its outer edge. This is why universe is arranged in a disc like region and it appears like an oval shaped universe.

The Dark Matter:-

According to scientists the Dark matter is hypothetical form of invisible matter that can not be observed with telescopes but would account for most of the matter in the universe. It surrounds galaxies but it does not move with galaxy. Although the dark matter does not reflect or absorb light but it affects the light (gravitational lancing). Scientists approximate the properties and existence of dark matter from its gravitational effect on visible matter, on radiation and on large scale celestial bodies of the universe. It has not been detected directly because it neither gives off nor absorbs any electromagnetic radiation. As it does not interact with electromagnetic force, so it travels through the matter without affecting it. However the main stream theory 'standard model' of how universe was formed' does not explain dark matter.

According to our new understanding each particle of dark matter is composed of a single closed wavy string and it is govern by fainted ISTRW (G). After withdrawal of GERR there is no ISTRW (G) to act on closed wavy strings to clump them into elementary particles. The known fundamental forces do not act on such individual closed wavy string because fundamental forces are able to act on elementary particles and mass only.

Thus dark matter is remainder of closed wavy strings which could not be clumped with each other to make elementary particles at the middle of GERR. Such closed wavy strings remain free & scatter in the whole disc shaped space from the past GERR to the past GEP. Hence, such free closed wavy strings are not able to form any elementary particles but they remain in existence permanently as dark matter. Although fainted ISTRW (G), which now act as dark energy, are not able to make elementary particles but they should act on this dark matter.

As such a large portion of closed wavy strings at the middle of a GERR could not be clumped with each other to form elementary particles under the influence of ISTRW (G). Such individual closed wavy strings permanently remain in large disc shaped space as dark matter to surround all the space objects originated in this region. This is why dark

matter can not be detected directly but it can be theorized on the basis of properties of elementary particles according to our new framework.

Dark energy-

Scientists approximate that dark energy is an unknown form of energy which permeates all of space tending to accelerate the expansion of universe and it is uniform. It is theorized to explain expansion of universe at an accelerating rate. They are not able to explain any feasible origin and existence mechanism for the dark energy.

Asamanya vishwa model proposes that after the withdrawal of GERR, the OSTCRW (G) produced by past GERR are fainted and they are not able to transmit towards the middle of GERR. Such fainted OSTCRW (G) are scattered from the past GERR to the past GEP as dark energy. As such it remains in whole space of past GERR to the past GEP between stars (SERR) and galaxy. This is why it is not associated with any galaxy and stars. Hence it is not responsible for expansion of universe as scientists believe. The expansion is due to expansion in a galactic ESR which enables other galactic ESR to rush away from each other.

Cosmic Microwave Back Ground Radiation:-

Scientists believe that cosmic microwave background radiation (CMBR) is oldest light in the universe. It is a faint uniform flux of microwave radiation. The space between galaxy and star (back ground) is completely dark. It has a faint background glow. It is same in all direction and it is not associated with any galaxy or star or other object. This glow is strongest in the microwave region of radio spectrum. Theoretically there are numerous neutrinos in space from the big bang to constitute such a cosmic background radiation at extremely negative temperature i.e. (-) 271 degree Celsius. Thus CMBR is explained as radiation left over from the Big bang. Although scientists approximate evidences for existence of nature and source of CMBR to substantiate big bang model they are not ascertain about its source, nature, composition and origin.

On the other hand Asamanya vishwa model dependent realities allow us to theorize that after vanishing GEP and GERR the OSTCRW from the past GEP are fainted. Fainted OSTCRW split into shorter open waves which remain in existence as cosmic back ground radiation in a vast space from past GEP to past GERR to surround all the space objects around a past GEP. Thus fainted OSTCRW fill the space from the past GEP to past GERR as a thermal glow. This way the fainted OSTCRW (G) only can split to compose CMBR which surround a galaxy and all its stars and planets.

Colder and Hotter Space Regions:- Observed properties of deep space inform that the universe has large colder and hotter space zones. We try to learn and know that where, how and why they are formed based on Asamanya vishwa model dependent realities.

When GEP recoils, it makes OSTCRW. They act also as growing heat radiation in surrounding space to make hotter space around the GEP before they compose GERR. This heat radiation remains after the withdrawal of GEP and GERR. This heat radiation is absorbed by the incoming great cloud making colder space zone behind it. This divided the space into colder regions behind the great cloud and into hotter regions in front of the great cloud around the past GEP. This phenomenon makes numerous hotter and colder spiral strips around the galaxy. When our Sun orbits galaxy, it comes in hotter zone followed by colder zone.

Expanding Universe:-

The telescopic observations reveal that each galaxy is rushing away from each other. However they approximate that galaxies are not expanding by growing its overall material but the universe expand by rushing away of galaxies. Scientists are not able to suggest any viable mechanism behind such unusual phenomena against the gravity. As such the Asamanya vishwa model dependent realities are able to make a viable mechanism for such expansion of the universe.

Each galaxy makes & expands its ESR that makes other galactic ESR to move away to accommodate new galactic ESR. Similarly each merging of a great cloud into a galaxy increases overall size and potency of the galactic ESR. This makes other galactic ESR to move away to accommodate expanding galactic ESR which hold a galaxy at its center. This allows each galaxy to move away from each other. Thus each galactic ESR is continued to increase its overall bubble shaped volume to push away surrounding galactic ESR. As a result surrounding galactic ESRs push away their surrounding galactic ESR and so on. This is why each galaxy is rushing away from each other to make ever lasting expansion in the grand universe which includes all galaxies. Thus the expansion of the universe exists due to ongoing matter forming processes for new galaxies and expansion in existed galactic ESRs.

Based on Asamanya vishwa model we are able to reconstruct the entire history of our solar system with our earth in detail as under.

OUR SOLAR SYSTEM: -

Our solar system is composed of the Sun and all objects that orbit it. There have been two main modern views regarding the origin of the planets in our solar system. The first is that another star happened to pass near the Sun and drew off clouds of gases, which then accumulated themselves into planets. This is the planetesimal group of theories. Though astronomers are well aware of the fact that stars do not wander around in space that is how the theory went. The other main viewpoint is that a swirling cloud of gas & dust condensed itself into our Sun, planets, moons, comets and asteroids. This is the widely accepted Nebular Theory.

According to nebular theory the earth is formed 4570 millions year ago when a nebula condenses into our solar system within our galaxy. Within this nebula matter coalesced into a denser central region- the Sun, and more scattered in outer region. Eventually the nebula shrunk into a disc-like object called the proto-planetary disc. Dust and ice collided randomly to form larger particles.

In other parts of the disc, the predominant matter was solid particles. Nearest to the Sun rocky material became the main component. In the colder outer region of the disc ice particles were more common. As particles throughout the disc became larger, gravity drew them into collision. Along with heat and light, the new Sun also emitted a stream of energy particles known as the solar wind. This wind blew volatile gases from the inner portions into the outer portions of the disc. Most of the remaining particles called planetesimals (particles to form planets) collided to form rocky inner planet. They also formed the core of outer planets around which volatile gasses collected. A larger part of planetesimals merged to form planets and some left over still remain in the solar system as asteroids, oort cloud, scattered disc and comets.

This is the picture of our solar system approximated by modern science that left still unanswered-basic questions regarding the origin and assembling processes to form masses to compose a planet. They do not have any explanation how the gases are formed

and coalesced to make a gaseous nebula without gravity; how & who carries these nebular gases into rotating and orbiting individual planets around the Sun. They are not certain how gases were pulled together, condensing into individual galaxies, stars and planets. As such they are not in the position to answer above mentioned questions on behalf of the modern model dependent realities, observed celestial properties and experimentally culminated facts and findings.

Proposed solar system:- According to Asamanya Vishwa model when a great cloud merge into our galaxy, it triggers immense nuclear reactions to originate tremendous nuclear energy. This nuclear energy is released in the disc like space around the galaxy. After some distance this nuclear energy transform into OSTCRW (S) which accumulate in a torus shaped space at large distance to compose & hold a SERR. The circumference of SERR originates ISTCRW towards the middle of SERR.

The gauge bosons are able to make and carry fundamental forces to act on everything with mass that comes in this SERR. Under the influence of the ISTCRW and resultant fundamental forces the large amount of material of the great clouds accumulates and condenses into a ring of material elements at the middle. Then this ring of material originates numerous EP along the middle to originate & put inward-outward spiral rotational force on streaming atoms. Then atoms are able to bunch around the EPs into numerous stellar masses along the middle. Then the masses are able to merge into each other to assemble one star 'Sun' at the middle as discussed earlier.

The solar SERR makes several molecular clouds like stellar masses from the great clouds. One of them has most powerful ESR to engulf rest molecular clouds to form full-fledged star 'the Sun'. The 8 big molecular clouds merge into the Sun one by one, forming 8 planets one by one at the middle of respective PERR as discussed earlier. The remaining minor molecular clouds merge into Sun one by one to form other minor and irregular PERR in a large numbers to form & hold minor & irregular space objects of our solar system like dwarf planets, comets, asteroids, Oort clouds and scattered disc etc. This makes our solar system as we know.

The Inner Planetary Bodies:-

The four inner planets "Mercury, Venus, Earth and Mars" are relatively small and called rocky planets. Each of them has an iron rich core and a rocky mantle and crust. Only the earth has an oxygen rich atmosphere and surface liquid water. The Mercury does not hold an atmosphere. Venus has a thick carbon-dioxide rich atmosphere. Mars is cold with a thin atmosphere.

With our new found understanding we are able to make a viable mechanism by which four inner planets were created and held with perfect orbital order. The four inner planetary bodies are formed in different and distant PERRs around the Sun one by one.

The asteroid belt in which millions of asteroids orbit the Sun, covering the whole orbital track like a ring, provides evidences for planet forming processes in a PERR. According to our new view the asteroids in this belt are in the process to form a planet. It is notable that the whole mass of asteroid belt makes an almost equal amount of the core-mass of the earth.

The Trojans are the group of asteroids that orbit the Sun with the planet Jupiter. These groups of asteroids in Jupiter's orbit appear as if they would merge into Jupiter in future. This observed feature indicates that the planet forming process in Jupiter's PERR is going on. The said asteroids *the Trojans* are in the process to merge into Jupiter. This

provides mechanism & evidence that the processes for planet formation are still going on in our solar system and can be observed at the Jupiter's orbit and asteroid belt.

However scientists assume that the material in asteroid belt did not form a planet as it was prevented from assembling into a planet by gravity of Jupiter. Such assumptions have no basis.

Let us discuss our planets independently as under.

Mercury:-

Scientists gathered information about Mercury by space probe Mariner 10 that flew 3 times in 1974-75. Messenger flew for Mercury in 2004 and reached in 2011 to map a picture about the Mercury surface, mantle, core, poles and its other features. Both probes reveal that the weak magnetic field and high density of Mercury point to an enormous iron core and a mantle of compressed molten rocks and a solid rocky cratered crust over it. They think that its craters were formed when rocks smashed into the planet. This picture of Mercury does not answer so many questions.

According to Asamanya vishwa model when the natal Sun gets first molecular cloud from the same SERR, it forms first PERR through above discussed processes. The ISTCRW (P) equip the gauge bosons with fundamental forces to transmit towards the middle to act on remainders of great clouds to push & accumulate them at the middle to make a streaming atomic ring there. This ring divides into numerous inward-outward rotating planetary masses along the middle under the influence of numerous EPs. Under the influence of ISTCRW (P) such planetary masses merge into one to form a planet at its middle as pointed out earlier.

Under the influences of the faded PERR the early planet begins to decay heavy atoms to release radioactive radiation. This radioactive radiation transforms into OSTCRW to accumulate and compose planetary ESR. Then ESR originates strong ISTCRW (E) to make fundamental forces to act on the decaying planetary material. Fundamental forces from the ESR reshape it into a perfect sphere. The nucleic stability is determined by the ESR as mentioned earlier. This process forms and holds the Mercury in precisely balanced orbital order around the Sun.

Venus:-

According to modern astrological information the Venus is the second planet after Mercury around the Sun. At least 20 space probes have investigated Venus to reveal its surface features. This reveals that Venus has extensive plains of volcanic lava and volcanoes on the surface. Its dense atmosphere is made of yellow-white clouds of sulfuric acid gas that acts like a green house. It has 100 times surface pressure that of earth.

Venus rotates in the clockwise direction, while all the other planets rotate in the counter clockwise direction. This is why that on the Venus the Sun and stars rise in west and set in the east. A traditional explanation for such an unusual planetary rotation is that the solar gravity slowed Venus down, until its rotational period equaled its orbital period. However, this theory does not explain why Venus is rotating backwards. Another theory explains it that a large comet like space object slammed into Venus to transform its rotations. In such a case, the planet would not end up rotating clockwise instead of tipping at an angle like Uranus. Thus there is no convincing explanation for the clockwise rotation of Venus. It remains a mystery for astronomers.

The Asamanya vishwa model has viable explanations for this unusual clockwise rotation of Venus that fits within our new framework. For creating Venus's PERR, the

Sun gets molecular cloud from the front. The Sun has one molecular cloud in front and the rest behind it. When the front molecular cloud merges into the Sun it produces PERR in the clockwise direction, it means that this PERR originates and transmits ISTCRW (P) in clockwise direction to provide Venus clockwise rotations. The ESR of Venus also originates ISTCRW (E) in clockwise direction to make clockwise spin. All other planets rotate counter clockwise due to direction of their PERR & ESR.

In the same way the earth is formed through aforesaid processes in the next planetary orbit that we will discuss separately later.

Mars:-

Scientists make a picture of Mars, based on remote sensed feed backed data by space probes they flew in 1976 and recently. The Curiosity Rover, NASA's man-less space vehicle that landed on Mars on 6.8.2012, and the Indian Mars Mission 'Mangal Yan' enters in Martian orbit on 25.9.14 will undoubtedly reveal virtual facts. Initial data from space probes reveals that the surface of Mars is covered with deserts, high mountains, deep craters with enormous volcanoes, dried river beds, polar ice caps of water and carbon dioxide, ice and ancient flood plains, indicating an earlier watery surface and earth like geological activities.

This brief history of Mars proposed by modern scientists does not answer many questions relating to the origin and development of the Mars. In such a state we are able to recreate entire history of the origin and development of Mars based on Asamanya vishwa model dependent framework which enables human to better understand the Mars as under.

The Sun produced another PERR once again. This time the Sun got slightly smaller molecular cloud that produced less potent PERR. It collects & assembles comparatively less material from the remainders of great clouds around the Sun at its middle. ISTCRW (P) from the circumference of PERR equips the gauge bosons with fundamental forces to act on the middle. This makes an atomic ring and resultant inward-outward spirally rotating masses around the EPs along the middle. They form an asteroid belt like structures. Finally they merge together into a full fledged planetary body at the same middle.

Under the influence of faded PERR newly formed planet begins to decay radioactively to release immense amount of radioactive energy to make OSTCRW to compose an ESR. The ISTCRW (E) from the ESR are able to stabilize decaying nuclei at lower atomic mass and shape it into a sphere. The frozen space debris composes its rocky mantle and crust making mega snowball explosion conditions to produce its two moons.

Mega Snowball Explosion (MSE):-

The events of glaciations and ice ages with warm interglacial period on the Earth and Mars provide proof of the frozen crust formation by space debris. According to Asamanya vishwa model the frozen debris deposits on the surface made thick ice cover on the complete Martian surface around 4000 MYA. This new matter enhances potency of its ESR. The resultants ISTCRW (E) make and carry stronger fundamental forces through the gauge bosons to act on Mars with more intensity to heat, expand and accelerate rotations of its core. This makes core oversize for the frozen upper mantle & crust resulting in a mega snowball explosion (MSE) to form its two moons.

A snowball explosion occurs when a ball of ice gets heated from the center and not from outside. When the central area of the ball gets heated, the matter within the

center expands whereas the outer part of this ball still has the same volume due to no variation in temperature. This creates an explosion that cracks the outer part of the ice ball throwing out frozen and brittle material from its surface in order to accommodate the expanding & upcoming material from its core.

Such an explosion also triggers a long lasting chain of nuclear reaction in the Martian core to release huge nuclear energy to make OSTCRW to form and hold two satellites ERR to assemble & hold two Martian satellites. The full fledged Mars is able to release enough nuclear energy to hold satellite ERRs around. In response to the mega thrust of MSE, from the northern hemisphere large quantities of frozen matter in the form of multi component ice bergs (MCIB) removed & launched up to its satellite ERR. The satellite ERR is able to hold, push and accumulate this frozen material at its middle. Then assembling processes takes place to form first Martian moon that also develop ESR in due course of time at the same middle. Now the moon with ESR is able to float at the middle of faded satellites ERR to orbit the planet.

The satellite EER should be fluctuated. According to cyclic up and down in the nuclear reactions in the Martian core, the satellites ERR can shorten or enlarge its distance from the Mars. Therefore the distance of the moon from the planet is changing from time to time whenever the EER expands or shrinks. The second Martian moon formation by the second MSE had frozen matter from its northern hemisphere adding a new lowland area into previously formed lowland area. The MSE triggers also Martian surface heating processes. The growing heat melts its highland's frozen material that glaciates into lowland to make its crust features as we know.

The Origin & Development of Outer Planetary Bodies:- According to modern astrology the four large outer planets 'Jupiter, Saturn, Uranus and Neptune' are called the gas giants. They are very different from the inner planets, but hold many features in common with each other. Each of them has small rocky cores. Above the core, each of them has a mantle of compressed hydrogen and helium. They contain frozen hydrogen compounds such as water, ammonia and methane. All the outer planets have a large number of moons made of rocks, ice and hydrogen-compounds and amazing ring systems made of rock-dust & ice. They all have a gaseous and stormy but extremely cold atmosphere. This is the brief view of outer planetary bodies according to modern science that does not answer so many ultimate question regarding their origin, development and orbital operations.

According to Asamanya Vishwa model the next larger outer PERR allows more material from remainders of great clouds to accumulate, assemble & condense at its middle to form a gas giant. A PERR fades in due course of time. Due to faded PERR most of atoms become radioactive to release radioactive radiation to make OSTCRW to develop ESR. The ESR begins to originate ISTCRW (E) to make fundamental forces to transmit them towards its centre to act on the decaying atoms to stabilize them at certain lower atomic mass. They compress & push whole mass inward spirally towards its core to equip its core with denser material & higher rotation than above lying mantle.

In the faded PERR the radioactive energy heats the core to expand it tremendously. This makes an explosion in the core releasing a large amount of radioactive carbon-rock dust as catalysts into compressed hydrogen lying above. This triggers intense chemical reactions there to form chemical ice-hydrogen compounds in large quantities releasing large amount of heat. Due to excess heat the hydrogen

compounds and rock-dust rise above and get deposited on the outermost atmospheric surface and turns into frozen layers to cover it. In due course of time, the ESR is again faded to make more atoms unstable. Newly unstable atoms are able to release tremendous radioactive energy additionally which heats & expands its core again. This makes core oversized for mantle and crust to make an MSE in the core. This overall, expands its rocky core, mantle and atmosphere by several times again. The nuclear reactions in the core also emits & radiates electromagnetic energy away to make OSTCRW to accumulate & compose satellite ERR in a torus shaped empty space around.

This explosion makes an upwards mega thrust to crack the uppermost frozen layer to launch its frozen material around. The satellite ERR is able to capture and hold some of this frozen material to assemble it into a moon at its middle. This way each gas giant had several mega snowball explosions to make and hold several satellite ERR to form and hold moons and ring systems around it.

The Outer Moons:-

According modern astrology each of four gas giants has several moons and ring systems around it. For example Saturn has 60 moons, Jupiter has 63, Uranus has 27 and Neptune has 13. Each moon has some unique features. All are very different in composition, size, temperature, color and atmosphere.

Present configuration of the outer moons is the result of many snow ball explosions according to Asamanya vishwa model. But scientists think that all outer planets were hit by comet like space objects and that created their large number of moons and rings systems. On the other sides, an analysis of titanium from the Moon, Earth and Meteorites published recently by Junjun Zhang at the University of Chicago and four co-authors indicates that our moon's material came from the Earth alone. Such analysis suggests and provides us evidence & substantiation that the material of outer moons came from the surfaces of their parent planets in frozen state. As such Asamanya vishwa model proposes a viable mechanism to carry planetary crust material up to satellite ERR to make and hold moon as discussed above.

Jupiter and its Moons:-

We should, based on the features culminated by modern scientists, believe that the ESR of Jupiter originates ISTCRW (E) to make and carry fundamental forces through gauge bosons to transmit them inward spirally towards its center to push Jupiter inwards spirally to shrink it (scientists confirm that it shrinks 2 cm per year). This provides us an evidence for inward spiral push towards the core by the ISTCRW (E). The energy released by nuclear reactions in the core is able to make OSTCRW to compose and hold satellite ERR. Then satellite EER captures MCIBs launched by MSE to assemble and hold a moon at its middle. It develops ESR to remain in existence when satellite EER fades. Some thin satellite ERRs compose & keep ring systems and other minor moons around Jupiter.

The observed features of 63 moons of Jupiter indicate that they must be formed through the processes triggered by snowball explosions according to our new insight. As such each MSE on the Jupiter must have sent an enormous quantity of frozen material with ice on the inner planets. The earth too got enormous quantities of it due to its orbital position magnifying the snowball conditions.

Saturn and its Moons:-

Our new understanding suggests that the aforesaid proposed processes of formation of outer planets give Saturn its present features including its moons and ring systems. Its amazing colored ring system is composed of icy rock. Some rings stretch farther than any solar rings. This indicates existences of thin satellites ERR to hold such rings system in perfect orbital order; and these ring should fuse together to form one smaller satellite in the same satellites ERR in future.

The ISTCRW (E) from its ESR are able to keep its average density low than water making it a floating planet. 60 major satellites ERR for 60 Saturn's moon and some for amazing ring systems are able to hold them in perfect orbital order. The icy rocks in the ring system and its moons are like other gas giants. The planet ejected icy material through many snowball explosions to form its 60 moons and ring systems. All small moons have low density with mixture of rock and frozen water providing evidence that the moons are formed by crust material of the parent planet and held by satellite ERR in perfect orbital order.

This also indicates that such large explosions on an outer planet should have sent enormous frozen rock-metal dust and ice hydrogen compounds with nitrogen on inner planets due to the disc like shape of the solar system. The earth collected life supporting material from this space debris from Saturn and other gas giants. A large amount of such frozen material should also have sent in outer solar systems to add in oort belt and scattered disc belt.

Uranus, Neptune and their Moons:- Once again the process was repeated in a farther PERR to create planet Uranus according as reflected in our new understanding. The same process is repeated for Neptune and its moons.

The Origin and Development of Other Solar System Objects:-

Other solar system objects include dwarf planets, scattered disc, oort clouds, kuiper belt, asteroid belt, meteorites, comets and other minor frozen dust and gas particles trillions in number. Observed features of outer solar system indicate that scattered disc is a distant torus shaped region of the solar system which is comprised of icy minor planets like numerous objects. The oort cloud is also a torus shaped region around the Sun at the outer edge of solar system beyond the kuiper belt but before the scattered disc. In this region spherical clouds of numerous icy objects remain to fill it. They together look like an enormous torus shaped celestial object around the Sun. The kuiper belt also forms an enormous torus shaped region which contains numerous small icy objects. The kuiper belt is similar to the asteroid belt but it is 20 times wide and 200 times as massive.

The material of scattered disc, oort clouds, and kuiper belt like objects is believed to have originated near the Sun and then it was blown outwards by the solar winds and condensed into torus shaped regions at the outer edge of solar system. The outer line of scattered disc should define the cosmic boundary of solar system and the region of solar gravitation. Asteroid belt objects are made of rock and metal but the kuiper belt object, oort cloud objects and scattered disc objects are made of frozen volatiles like ammonia, water methane. Such torus shaped outer regions of solar system are considered to be sources of all types of comets.

Scientists infer from the recently observed properties of outer solar system that solar winds (a stream of charged particles like electron, proton and alpha particles released from the sun) slow down at large distance to fill spherical region to compose an energetic sphere called helisphere. Helisphere is believed to have enormous bubble like

volume surrounded by inter stellar medium. The same observed properties of helisphere enable us to substantiate a theorized mechanism of ESR around the sun.

Thus modern understanding is not clear about the origin, development, existence and gravitational & orbital mechanism of such other solar system objects which exist in enormous torus shaped regions at the outer edge of solar system.

According to Asamanya vishwa model Oort cloud objects are accumulated and made by a giant PERR from remainders of great clouds along it. They are in the process to make a giant planet in future beyond the Neptune. Similarly kuiper belt objects are made along the middle of another giant PERR from the great clouds. In the same way PERR of scattered disc objects are made by separate PERR along its middle; in future they should form a giant planet along the same middle. This model explains how each PERR accumulate and hold material from remainder of great clouds at its middle to make a planet.

As such the planet forming processes at the middle of PERR are still going on in our solar system in the separate PERR of asteroids belt, kuiper belt, Oort belt and scattered disc belt. No modern model can explain all the observed properties of other solar systems objects in this way. The Asamanya vishwa model is able to explain the same in detail with a new viable mechanism based on PERR and ESR like well proposed phenomena.

However another possibility is also there that the objects in the asteroid belt, oort cloud belt and scattered disc belt could not merge into each other to form a planet before the PERR is faded. We can assume that a faded PERR do not allow such masses to merge into each other to form a large planet. On the other hand a strong PERR allow merging processes to make a planet before it fades. As such all smaller planetary masses in faded PERR develop smaller ESR and scatter along the middle to fill a torus shaped space like kuiper belt, oort belt and scattered disc have.

This way Sun makes and holds millions of PERRs around it to capture and accumulate material from remainders of great cloud at their respective middle. Out of numerous PERR only eight PERRs remain stronger for a long period to make and hold full fledged planets from the remainders of great cloud at their respective middle. The rest of PERRs remain stronger for a short period only. This is why such faded PERRs are not able to make full fledged planet at their middle. They were able to make smaller masses only before they are faded. A faded PERR is not able to allow & hold the merging processes to make a larger mass to form a full fledged planet from the smaller masses along its middle. This is why numerous masses in faded PERRs are scattered along the whole middle to keep them in a torus shaped space around the sun to make kuiper belt, asteroid belt, oort cloud and scattered disc like celestial structures.

Now we are able to discuss an amazing and unusual cometary orbit separately in detail.

Comets:-

According to modern astronomers a comet's nucleus, called dirty snowball, is made of icy, rocky and dusty material. Comets are believed to have originated in outer solar system objects 'Oort cloud, kuiper belt and scattered disc'. Nearer to the Sun, solar radiation heats a comet to convert its dusty ice into flying gases and dusts to make an atmosphere which envelops its nucleus to form a head called coma. The solar radiation sweeps gas and dust into two tails. Each tail extends away from the coma in the opposite

direction to the Sun. As a comet travels away from the Sun its tail gets smaller until the comet is once again just a dirty snowball at aphelion (farthest orbital point from the Sun).

Scientists think that the first curved cometary tail is formed of dust, pushed away by the solar radiations. The second narrowed & straight tail contains ionized gases that have been blown away from the coma by the solar wind. The tails are longest at the perihelion (the nearest orbital point to the Sun).

This cometary mechanism made by the modern science is not able to explain origin of a comet, its two tails with one head near the Sun and gigantic orbit. As such, let us use & apply Asamanya vishwa model dependent understanding to theorized a perfect orbital mechanism for the origin of a comet with its astonishing two tails and one head in detail in the following way.

According to Asamanya vishwa model the Sun originates and holds billions of cyclic PERRs in the form of CERR (cometary energetic ring of resonance) in response to merging billions of minor molecular clouds or star masses from the same SERR. Each merging makes a cyclic nuclear reactions centre in the solar core which makes and releases cyclically immense nuclear energy. The nuclear energy, so released, is able to radiate in a disc like space around the Sun. After a certain distance this energy slow down and transform into OSTCRW to accumulate, make and hold a CERR to form and keep a comet from the remainders of great clouds around the Sun.

A starting CERR is formed as a torus shaped circular force field around the Sun to construct and hold a comet from the remainders of great cloud. Once a CERR has formed & held a comet at its middle it begins to expand & shift outwards in response to a cyclic up in nuclear reaction in the solar core. The immense nuclear reactions are able to make stronger OSTCRW to expand & shift existed CERR outwards. The outward shifting speed of CERR is greater than the orbital motion of the comet. This is why an outward shifting CERR or force field is able to carry & hold a comet outwards keeping it at its middle. In between the CERR fades to develop ESR around the comet.

The solar radiation turns its surface icy dust into ionized gas and flying dust by efficient heating. Solar wind squashes ESR on the side nearest to the Sun and elongates it on the side opposite to the Sun. The elongated circumference of ESR on the side opposite to the Sun, originates ISTCRW (E) to make and act fundamental forces in specific way to sweep away and align cometary's gases into a straight and narrowed tail; and flying dusts into a curved and large tail. Both gaseous and dusty tails are pointing outwards. On the other hand squashed circumference of the ESR originates ISTCRW (E) to make and transmit fundamental forces inwards spirally towards the center of ESR in such a way that they are able to make & hold a gas covered head, called coma, pointing towards the Sun.

Hence, an outward shifting CERR is able to carry & put a comet outwards into an oval shaped gigantic orbital track from its starting circular narrowed orbit. Before a comet could go into circular orbital track the fast shifting force field or CERR carries and holds it away into an oval shaped gigantic orbital track to carry it outwards.

The speed of the outward shifting CERR is greater than the circular orbital motion of the comet itself. This is why the fast shifting force field is able to make an oval shaped & large sized energetic orbital track to carry a comet away from a narrowed circular orbit. When a comet goes farther from the Sun, the squashed and elongated cometary ESR becomes circular to reduce tails and coma into a cometary nucleus. Now the ESR is

not elongated and squashed, because solar wind can not squash or elongate it at such large distance. The rate of shifting of the CERR is zero at the aphelion where the comet is only a naked nucleus; here a cometary ESR holds a comet at its center exactly and CERR become stable for a very short time of period.

From aphelion the stable CERR begins to shorten in size with a great speed to shift comet nearer to the Sun in response to cyclic down in the nuclear reaction in solar core. The speed of shortening of CERR is so high that it carries a comet into an oval shaped gigantic orbital track towards the Sun before it could go into existed circular orbit. Thus a shortening CERR is able to carry and put a comet into an oval shaped gigantic orbit from a circular orbit to carry it near the Sun; where solar radiation is again able to heat cometary surface to turn its icy & dusty material into ionized gases & flying dusts again.

Indian space observatory 'Astrosat' should be able to detect a CERR and cometary ESR to make a better understanding about a cometary phenomenon to validate such model. It should observe relation between solar spots and cometary orbital time. Space scientists should be able to probe & test proposed viable cometary mechanism by some experiments. They should make and put an object or space probe at the middle of a CERR at apposite side to the comet around the sun; because at each point of time a CERR is circular. This is why that the same CERR will able to hold and carry away this object from the sun at opposite side. Then the CERR will carry this object away in different direction and a comet in opposite direction from the Sun.

The Earth:-

Scientists believed that the earth was formed with the other solar planets 4750 millions year ago. At first it was cold but radioactivity heated it until it melted. Under the influence of its gravity the heavy iron rich material sank to the center and the lighter rocky material floated to the top. A fluid mantle of rock is formed above the iron core. Its crust is composed of enormous moving plates, called plate tectonic. Lighter gaseous material composes its atmosphere. When these plates come closer, volcanoes erupt and earthquakes occur and so on. Such a history of earth, made by modern scientists, leaves so many questions unanswered. It allows us to reconstruct entire history of earth based on Asamanya vishwa model dependent realities as under.

Proposed Earth:-

Assisted with Asamanya vishwa model dependent uniform framework at PERR and ESR scale we are able to reconstruct the entire history of earth's origin, development & existence. According to it around five billion years ago, the third major molecular cloud merged into the Sun to make a huge explosion. The explosion triggers a nuclear reaction chain in the core to release huge nuclear energy to transmit it in a disc like space around. This nuclear energy transforms into OSTCRW to accumulate and compose a PERR beyond the PERR of the Venus. The whole circumference of earth's PERR originate ISTCRW (P) to equip the bosons with fundamental forces to act on the remainders of great clouds to push them inward spirally towards its middle.

At the middle, the said remainders of great clouds accumulate to form a streaming ring of atoms which at once originates several electromagnetic points along the whole middle of PERR. Each EP equips the streaming atoms with the inward-outward rotation to bunch them together to form an inward-outward rotating planetary mass. This process makes numerous planetary masses along the middle around the numerous EP. The

inward-outward spiral rotations are also able to form different types of heavy atoms as discussed earlier. These planetary masses then condense into solids to make present asteroid belt or scattered disc objects like numerous small structures along the whole middle making torus shaped region. Then they gradually fuse together to make early earth at the same middle of the PERR.

In due course of time the earth's PERR fades. The faint fundamental forces from the faded PERR are not able to hold the heavy atoms in existence. Hence, due to lack of required intensity of fundamental forces, they become radioactive to decay radioactively. As such, the early earth begins to release immense radioactive energy which is finally transformed into OSTCRW. Then OSTCRW accumulate, compose & hold an ESR at large distance to encase the earth. Now this ESR is able to originate & transmit inward spirally fundamental forces through the ISTCRW (E) to act additionally on the earth from all sides to stabilize nuclei at certain lower atomic mass. They equip the earth's material again with all the material properties. ISTCRW (E) make gravitational waves to push the earth inwards spirally from all side to compress inward spirally it to make & hold a perfect gravitation around it to shape it into a perfect sphere. They equip the core material with higher density and rotation than above lying mantle material because ISTCRW (E) are intensified towards the core.

The ESR keeps the earth at its centre to provide fundamental forces to keep it in existence. Now the earth is able to have thicker core and lighter mantle & crust with a thin atmosphere. The faded PERR is able to hold the ESR at its middle enabling it to orbit the Sun in a precisely balanced orbit. Through these processes the earth emerges as an early planet. The early earth got huge quantities of frozen space debris from gas giants at the time of formation of their moons. This frozen debris formed its present rocky upper mantle and crust with life supporting atmosphere above it.

When some unstable atoms become stable at lower atomic mass, they stop to radiate radioactive energy to energize ESR. As a result, the earth's ESR is faded to make stable atoms unstable again. Unstable atoms begin to release radioactive energy to heat & expand core again. This was followed by the processes of mega snowball explosion (MSE), as detailed earlier. This explosion produces huge branches of molten lava into the whole frozen mantle and crust to crack and open its 2/3rd mantle. This molten material melts the frozen mantle and crust to make water. Rock dust sediment into the present upper mantle and crust rocks. Some of the water is crystallized into minerals in these rocks. The rest of the water comes up above the crust to add in water cycles.

This MSE cracked the frozen and brittle crust into 6 large and 12 small plates called plate tectonics. This formed earth's continents as 1/3 highlands and 2/3 lava erupting open mantle as low land which was then filled in by glaciated frozen material from the continental areas. The glaciated material contains a large quantity of ice that melt into water to fill this low land to form oceans. The 2/3rd open mantle was closed by forming oceanic crust as the new covering of the earth called pacific plate. Thus the previous complete crust of the earth was reduced into 1/3 continental land mass in the form of different sized continental plates-tectonic above the oversized mantle.

The mega-snowball explosion expanded its inner volume and tilted its axis by 23 ½ degree through its thrust by displacing earth's centre from the centre of ESR. Now the ESR holds the tilted earth at its centre. Well established earth's glacial past substantiate

Asamanya vishwa dependent realities at large related to earth's origin, development and existence.

The Proposed Continental Drift:-

The known plate tectonics processes enable us to understand & interpret the process of continental formation & drift through the said mega snowball explosion (MSE). According to Asamanya vishwa model dependent mechanism, the MSE & the resultant heat expand earth's core. Expanding core became oversized for frozen mantle and crust resulting in the opening of the frozen upper mantle and crust. A large area of mantle became uncovered by this MSE. From here the molten mantle rocks came in contact with the extremely frozen debris glaciated from the continental tops. This solidified these molten rocks into the pacific plate as the oceanic crust and a closing sheet on the opened mantle. Since then it continues to grow by sedimentation and solidification of molten mantle rocks erupting through volcanic activity from convergent boundaries and divergent boundaries.

The expanding core and mantle make the plates move upwards as well as apart to form divergent boundaries. These divergent boundaries are marked by slowly spreading rift valleys. After the mantle eruptions are minimized, all tectonic plates move downwards under the influence of gravity to come closer or move towards one another to form convergent plate boundary. These convergent boundaries are marked by different types of mountains.

When the mantle pressure is built beyond a limit, then the mantle again triggers volcanic action lifting all plates making the mantle oversized for crust. During this time all plates move away from each other to add previously formed divergent boundaries. This plate movement occurs due to changes in the mantle volume. The ring-like volcanism, called ring of fires, around the pacific plate provides evidence that the pacific plate was formed as a lid to close the open mantle.

On the other hand the modern geologists interpret that the earth had just one continent. This is because they found the same ancient mountain range on different continents. Some fossils have been found scattered all over the globe. Mesosaurus, a fossil found in Brazil is identical to fossils found in South Africa. But such animals could not cross the Atlantic Ocean. This has been interpreted to indicate that these animals lived when America and Africa were joined together. The continents moved apart and the fossils were separated by Atlantic Ocean.

Such fossils and mountains ranges allow scientists to culminate that the same animals existed on one big super continent Pangaea. Before it the landmass of the globe was in separate continents. These continents were scattered across the globe. They all came together to form the said super continent. Then it again began to divide into two parts named Gondwanaland and Laurasia. Such a process was continued until formation of present seven continents. This modern interpretation of continental drift is not able to explain so many features which can be explained properly by Asamanya vishwa model.

Geographical and Magnetic poles:-

According to our new understanding the thrust of the mega snowball explosion slightly dislocate earth's center from the center of ESR. After the explosion fundamental forces from the ESR resets the earth's rotating axis by tilting it 23½ degrees and making its magnetic poles away from its geographic pole. The center of new earth was away from the center of ESR. Before the mega snowball explosion (MSE) the magnetic poles and

geographic poles were at the same place and ESR held earth's center exactly at its center. The difference between the present magnetic poles and the geographic poles provide evidence for MSE and its powerful thrust to dislocate the earth's centre from the centre of the ESR. Then the fundamental forces from the ESR reshaped it into perfect sphere again with tilted axis. Now the faded PERR hold the geographic pole by spin while the ESR holds earth's magnetic poles. This is why present earth holds its magnetic poles away from its spinning axis.

The proposed Earth's Moon:-

Our new insight helps us to surmise that Mercury and Venus have never had frozen thick surface for long time, therefore they need not to have MSE to produce OSTCRW to compose satellite ERR to make and hold a satellite body. All other solar planets except Mercury and Venus have had frozen surface many times that led to MSE to make satellites ERR to assemble and hold moons from the crust material of the parent planet.

This understanding allows us to reconstruct the formation processes for the earth's moon that fits within our new frame. According to it the early earth was formed around 5000 million years ago as a metallic ball mainly. It gets frozen rocky-debris mixed with ice from 4500 to 4000 million years ago to form its rocky mantle and crust. The fundamental forces from the earth's ESR & faded PERR acting in multiple pairs on it, triggered radioactivity to heat the core material and accelerate its rotational motion. Both the events increase its overall inner volume so many times making the core oversized for the above lying frozen mantle and crust. The oversized core produces MSE which made & launched numerous multi-component icebergs (MCIBs) from the frozen crust putting them into the satellites EER which is made by nuclear energy from the earth's core. The satellites ERR is able to capture & push inwards spirally these MCIB towards its middle to accumulate & hold them there. The combining and joining of MCIBs took place very efficiently at extremely low temperature to form numerous big masses at the same middle.

A main mass attracted rest of nearby orbiting MCIBs from the same satellites ERR to make moon and its cratered surface in the end. Some of the icebergs before ERR of the moon returned on the earth to form surface craters like an intense meteorites impact. Out of the satellites ERR the MCIBs can not stay there to orbit the earth for long time; they have to fall back on the earth's surface. It is the satellites ERR which captures MCIBs to make & hold a satellite body as an early moon.

When the satellite's ERR is faded the early moon develops lunar ESR around it to enable it to float in the faded satellites ERR and to maintain nucleic stability level at certain lower atomic mass. This lunar ESR is able to originate fundamental forces to transmit inward spirally towards the center to act on the moon to hold it there to make perfect gravitation around it. Thus lunar ESR with faded satellite's EER makes and holds all the features of present moon to keep it in existence at its centre. Under the influence of lunar ESR the sole remaining MCIB in the same faded satellites EER struck the moon surface later to add heavily cratered surface to make and hold its present miracle features.

The high land features on the far side of lunar surface and low land features on the near side of lunar surface are remarkable. The far side crust of the moon is thicker than that on the near side. The far side is also more heavily cratered. Astronomers are

perplexed and baffled about the phenomena. The Asamanya vishwa model dependent mechanism is able to explain such a phenomenon in the following ways.

The MCIB above the middle of the satellites ERR had to fall back on the moon to add its far side surface as high land. Some of MCIBs above the far side circumference of the lunar ERR come in the lunar ESR to land on the moon. This is why the far side lunar crust gets more MCIB to make high land features. On the other hand the MCIB below the faded lunar ERR could not enter the near side circumference of the lunar ESR to land on moon. As such MCIB had to return to the earth under the influence of earth's ESR. This makes lowland features on near side lunar surface. Lunar ESR and faded ERR exist within earth's ESR.

The presence of chemical water on the moon is confirmed by the wide range of crystals in the moon rocks. It is viable evidence that the moon was formed by earthly matter that had water. The moon has calcium-rich granite-like rocks which form its crust; this also provides evidence that the material of the moon came from earth's frozen surface. As earth's oceanic crust rocks also have proportionally more calcium. The dense rocks in the moon's mantle are similar in composition to the earth's oceanic crust rocks. A recent analysis of titanium from moon, earth and meteorites also suggests that the moon's material came from the earth alone as discussed earlier. We can mathematically approximate that the total mass of the moon should be almost equal to the mass that was removed & launched from the earth's crust by the said MSE. This also substantiates that the moon is formed from the earth's material.

The Conventional Moon:-

No modern scientist is certain about how the moon was created and held in perfect orbital order around the earth. It may be that the moon formed alongside the earth or that it was formed elsewhere and then captured by the gravity of the earth. The most debated idea is the big splash that suggests a collision between the infant earth and a Mars sized planetary body tearing away a large volume of molten rocks. The debris of molten rocks was held by earth's gravity that cooled into the moon 4 billion years ago. On the other hand the past surface of the earth has no such evidence for such a big collision with mars sized planetary body and no Mars sized planetary body was found in our solar system that could strike the past earth.

Space scientists can make a space vehicle covered with the ESR like force field. Such a space vehicle can travel from stars to stars without loss of speed like a great cloud travels towards the galaxy. Such interstellar space vehicle should use minimum energy and can exist for a long period of time. This should enable scientists to probe the universe with minor details.

Annexure:-Asamanya vishwa model v/s Vedic concept of the universe:-

Recently organized 102nd Annual Indian National Science Congress in Jan-2015 on the theme "science and technology" held in Mumbai, India showed a sharp emphasis on Vedic Science through the study of Sanskrit language. Some of Sanskrit scholars have revealed in this congress that Sanskrit literature contains advanced knowledge regarding earth sciences including biology, physics, metal chemistry, medicine and geography in addition to philosophy.

As such Asamanya vishwa model allows us to try to trace the scientific essence in the Vedic concepts and their applications in modern references. This reveals some of the vital facts regarding natural mechanism for the origin and evolution of matter, universe and its

existence. Finally it should be able to enrich modern understanding & techniques to see the universe and its governing forces in an entirely new way. Let us try to discuss and analyze some of the Vedic concepts regarding origin of universe to enrich our understanding regarding our new model.

According to Vedic concept of the universe, Lord Brahma by his resolution produces eternal resonances which accumulate & condense into starting material particles and makes ananta potency (a mythological force to govern and keep space objects on their fixed orbit) to begin, develop and hold the material universe. Thus Lord makes eternal resonances to originate starting material particles and starting fundamental forces in the form of ananta potency to begin and hold material universe in perfect order. As such this Vedic concept suggests a mythic mechanism to originate elementary particles and fundamental forces from the eternal resonance. Although such a suggestion has no scientific basis, it enables us to find out starting energy as eternal resonance 'GE'. Such eternal resonances should be able to make & hold starting energy conversion chain in the form of GEP and GERR with OSTCRW (G) and ISTCRW (G) to make a perfect mechanism to make elementary particles and fundamental forces to begin, develop & hold a material universe (a galaxy and all its stars & planets around).

There are countless universes, which are clustered together like foam on the surface of the causal Ocean according to Vedic suggestions. These universes are separated from each other by an individual enormous shell that completely envelopes & protects each of them. Each universe is ball shaped and surrounded by an eight fold shell which is composed of primeval material elements in their most subtle manifestation. The shell consists of eight spherical layers in which each successive material element is manifested and stored.

Such a Vedic shell around the each Vedic universe indicates us that an energetic spherical force field should be responsible to accumulate & store material particles to condense them into a spherical space object at its center. Such a mythical energetic spherical space enables us to assume about eternal resonance & force fields in the form of GE & GERR to make and hold elementary particles and fundamental forces to make and hold space objects. This is why we make conclusion that each space object should have ESR and ERR like highly energetic & subtle force fields to substantiate Vedic eight fold shell around each space object. Thus such a Vedic eight fold shell should exist around each space object to encase, protect and govern it in the form of ESR and ERR like force fields.

The inner hollow portion of the Vedic universe is covered by eight successive coverings; each one is ten times thicker than the previous one. The first covering is ten times thicker than the inner hollow portion of the Vedic universal globe. The second covering is ten times thicker than the first and so on. Such a Vedic concept of the eight fold shell covered universal globe points towards the ESR like phenomena around a galaxy.

On the basis of Asamanya vishwa model dependent uniform mechanism we are able to assume that the inner hollow portion of the Vedic universe exists around the past GEP at the center of present galaxy. Above this hollow portion the great clouds make spiral galactic arms to constitute galactic material. The nearby surroundings of the past GEP is hollow containing nothing. As such past GEP is covered by the eight fold energetic shell that should be composed of energetic ISTCRW (E) from the galactic ESR.

This is why they are able to hold the material of a galaxy in spiral layers that rotate around the said hollow portion above the past GEP. Thus Vedic universal globe is a galaxy and all its stars for us.

For example, according to Asamanya vishwa model the ESR of the earth makes energetic layer upon layer through ISTCRW to hold core, mantle, crust, atmosphere and rings of charged particles called Van Allen Belts well above the upper atmosphere in spiral layers with a specific density and so on. As such each layer of ISTCRW should have potency to store & hold material elements with specific density. The inner most layer of ISTCRW should be highly intensified to make & hold the core densest.

This is why each space object has layer upon layer of material elements to make strata. Each following upper layers of ISTCRW holds gradually subtler elements than the inner layer. Thus ESR and EER like phenomena are able to substantiate the Vedic concept of eight fold shell around each universe scientifically. As such the eight fold shell of Vedic universe should exist in the form of different layers of ISTCRW.

The Vedic bubbles of foam indicate an efficient energy producing ESR like mechanism which should be present around each space object to form, protect & hold it in a perfect orbital order in a precisely balanced orbit around its parent space object. Observed helisphere around the Sun provides evidences for existence of such Vedic bubble and Asamanya vishwa ESR.

According to Vedic physics enunciated in the Bhagavatam, the universal manifestation is divided into two stages. During the first stage the entire material elements become manifest. And during the second stage the countless numbers of separated universes become manifest from these material elements. After a material universe become manifest the eight fold universal shell is formed to protect and hold it into existence.

Asamanya vishwa model also theorizes two staged formation of a universe. In the first stage all the matter for a galaxy and all its stars and planets is formed and accumulated in a GERR along its middle in the form of great clouds. In the second stage the material of great clouds after the withdrawal of GERR rush toward the past GEP to accumulate & condense into a galaxy and all its stars & planets. After the formation of a space object it develops ESR which should compose eight fold shells like layers by ISTCRW (E).

The Vedic universe is divided in two parts: the material and non material domains according to Vedas. In the primordial non material ocean the starting material particles are formed under the influence of universal consciousness. After a 1000 years period the formation of these particles is complete and a gigantic lotus like structure arises from the primordial water. The structure stems from the center of the universal globe and occupies the upper portion of the Vedic universal globe. After a second 1000 years period the stem like portion of this lotus like structure begins to expand horizontally, all the planetary systems become manifest from this portion and occupy 14 multidimensional levels.

Above cited the Vedic concept of non material domain indicates a long lasting starting energy conversion chain to have GEP, GERR, SERR, PERR and ESR like phenomena by which the material elements are formed, accumulated & held into space objects. While the Vedic concept of material domain indicates the material elements originated in the GERR; from this material a galaxy and all its stars & planets are formed.

Thus the Vedic concept of “universal consciousness” indicates eternal resonance like energy as an ultimate source of energy.

The Vedic concept that the universal consciousness emanates from the GOD, clearly points towards eternal resonance of GE like starting energy which is emanated from empty universe. It is able to make & hold a GEP and GERR like fundamental mechanism to trigger, establish, energize & hold an ever lasting intertwined starting energy conversion chain to make and hold the material universe; it works like the so called Vedic universal consciousness does.

Another concept of Vedic physics describes a force, which allows different planets of the universe to remain on their fixed orbits. It is explained in Bhagavatam that the *ananta* potency which arouse from the bottom of the universal globe supports and maintains the planets on their respective orbits. This concept points towards a GERR or SERR or PERR like force field to support and maintains the space objects on their fixed orbit. Like the Vedic ananta potency, a GERR or SERR or PERR or an ESR is able to form & hold the space objects on their fixed orbits.

According to Asamanya vishwa model dependent realities the Vedic ananta potency is an inward spiral flow of fundamental forces in the form of ISTCRW from the ERR & ESR. They are originated and transmitted inward spirally toward the centre from the circumferences of the ESR & ERR to make & enable all the fundamental force to hold the space objects in precisely spherical shape with a perfect orbital & spin order. Thus Vedic concept of ananta potency explains the fundamental forces in the form of ISTCRW like resonant energy in mythic way.

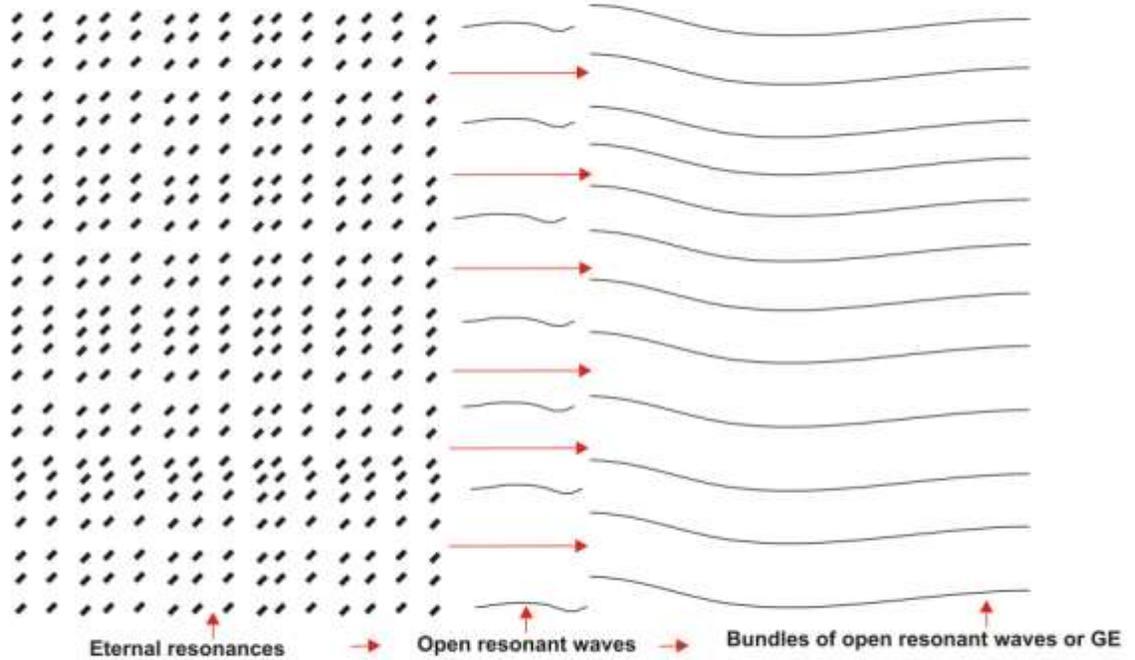
It seems that original Vedic concepts may lose their original essence gradually in several generations. As a result the related Vedic concepts had been wrongly interpreted and conceptualized into mythology before they were written. This is why most of Vedic concepts have been rejected and counted as mythology during modern times. Thus there is a strong need to re-explore the scientific essence behind Vedic concepts to put them into their original perspective and then to apply with modern technology to improve modern worlds at large.

Thus Asamanya vishwa model is able to reinterpret the Vedic concepts regarding origin of the universe in its right scientific perspective to draw indications & suggestions to develop new framework of explanation. The ESR and ERR like phenomena should be experimentally established by the scientists; hence related Vedic concepts should be validated automatically.

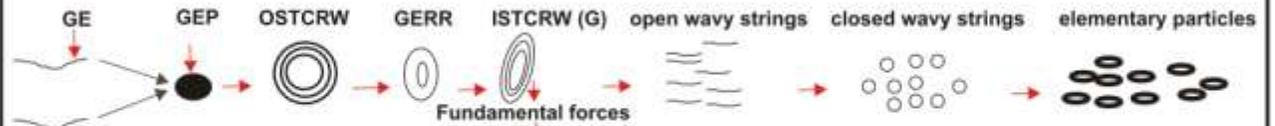
The further application of Vedic concepts in modern R&D should trigger a new understanding to enable scientists to see, investigate and probe the universe & life with an entirely independent & new insight beyond the modern model dependent realities to know virtual realities of the universe and life on the earth.

The whole proposed mechanism for origin of universe is shown in the following pictures 1(A) to 1(L) in the following pages for better understanding.

Eternal Resonances Were Only Present in the Form of Bundles of Great Energy (GE) Before the Material Universe According to Asamanya Vishwa Model-1(A)



Origin of fundamental forces & elementary particles at the middle of a GERR-1(B)



Two bundles of GE interact to coil into a GEP

- 1) Great force :- (A Proposed Fundamental Force)
 - a) coils the open wavy strings into closed wavy strings.
 - b) equips each closed wavy strings with spin, electric charge & vibration at certain frequency.
 - c) clumps closed wavy strings into elementary particles at the middle of a GERR
 - d) equips gauge bosons with four known fundamental forces to act on fermions
- 2) Strong force:-
 - a) equips gluon to glue quarks into permanent threes to make composite particles to make nuclei to attract lepton 'electron' to form atoms at the same middle of a GERR
- 3) Electromagnetic:-
 - a) equips composite particles and atoms with electromagnetic properties by photons to make a steaming ring of atoms at the same middle of a GERR to make electromagnetism
 - b) electromagnetism originates numerous electromagnetic or energetic points (EP) to make inward-outward rotating masses 'Great clouds' around each EP
- 4) weak interaction:-
 - a) packs neutrinos like electrically neutral subatomic particles inside the nucleus to stabilize nuclei
- 5) Gravity :-
 - a) it makes torus shaped gravitation field to push & hold streamed atomic ring at the same middle.

Elementary particles+ fundamental forces at the middle of GERR = Atomic ring + EP= inward-outward rotating mass →

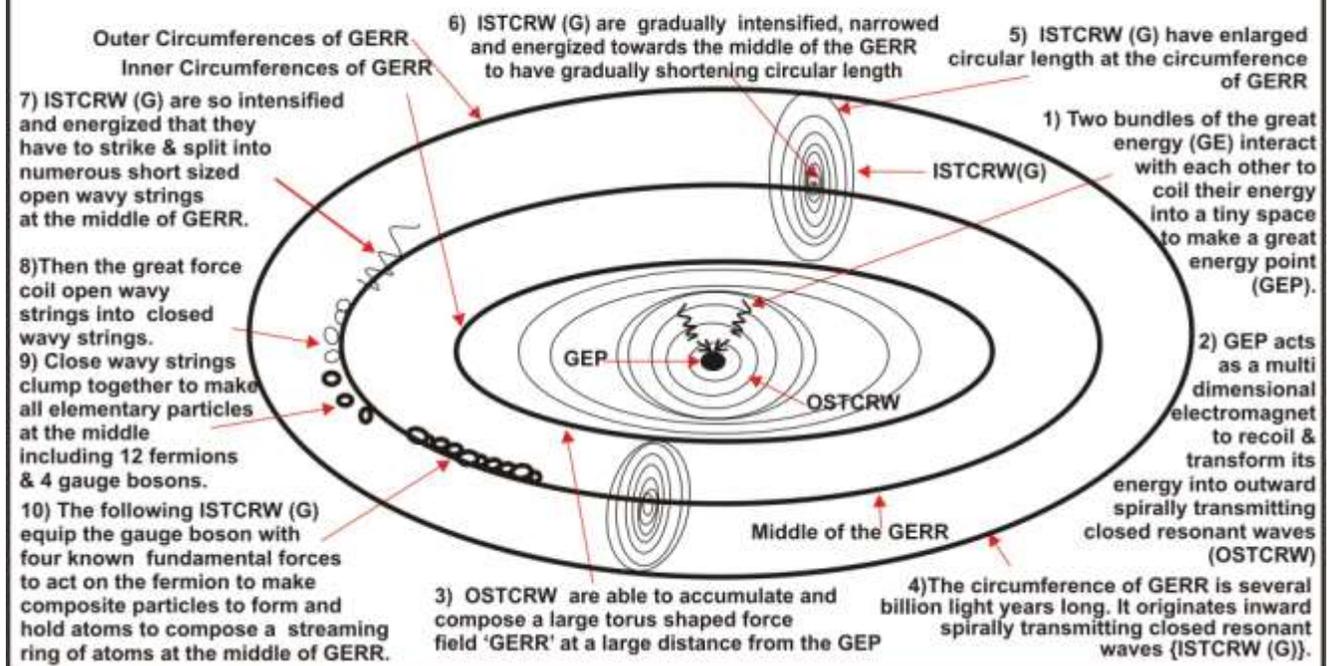
Streaming ring of atoms condense into numerous inward outward spirally rotating masses around numerous EP as starting masses 'great clouds' along the whole middle of GERR. Each great cloud begins to orbit the GEP keeping it at the same middle of GERR.

GEP & GERR are vanished

A Great cloud with ESR →

Without the GERR great clouds develop ESR and begin to rush towards the past GEP to form a galaxy around it. →

Origin & Operation of the First GERR (Great Energetic Ring of Resonance) to Begin the Material Universe According to Asamanya Vishwa Model-1(C)

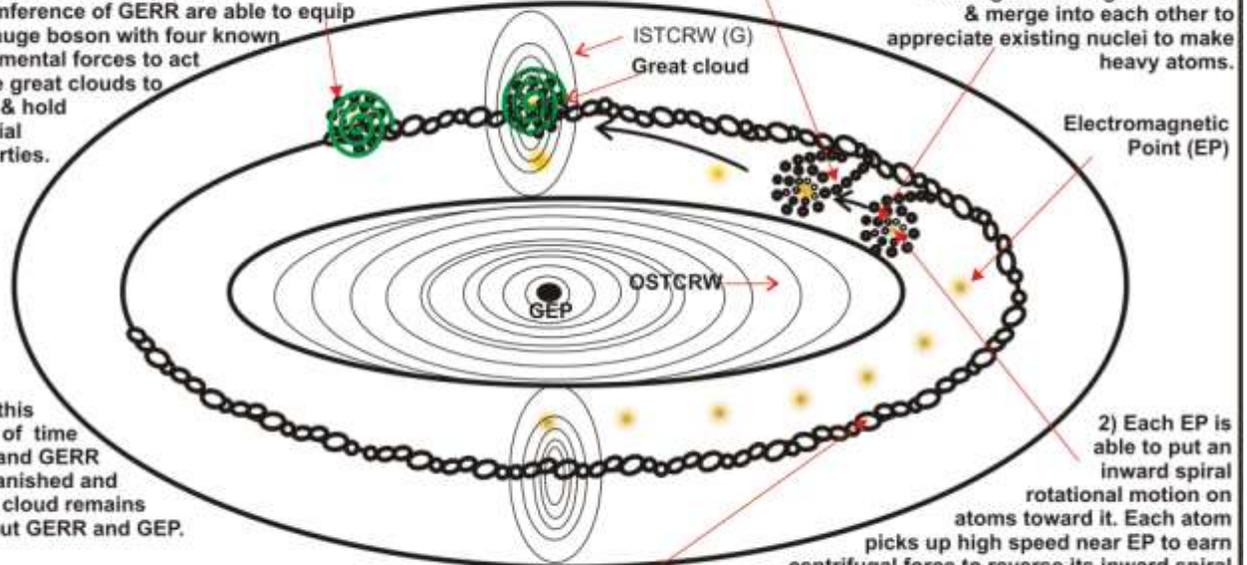


Origin of Masses for a Galaxy and its all Stars-1(D)

5) A great cloud has a large amount of atoms. It remains at the middle and orbits GEP. ISTRW (G) from the circumference of GERR are able to equip the gauge boson with four known fundamental forces to act on the great clouds to make & hold material properties.

4) Inward & outward spirally rotating atoms begin to bunch together to form & hold a mass around an EP to make a starting space object 'great cloud'.

3) Inward-outward spirally rotating atoms begin to collide & merge into each other to appreciate existing nuclei to make heavy atoms.

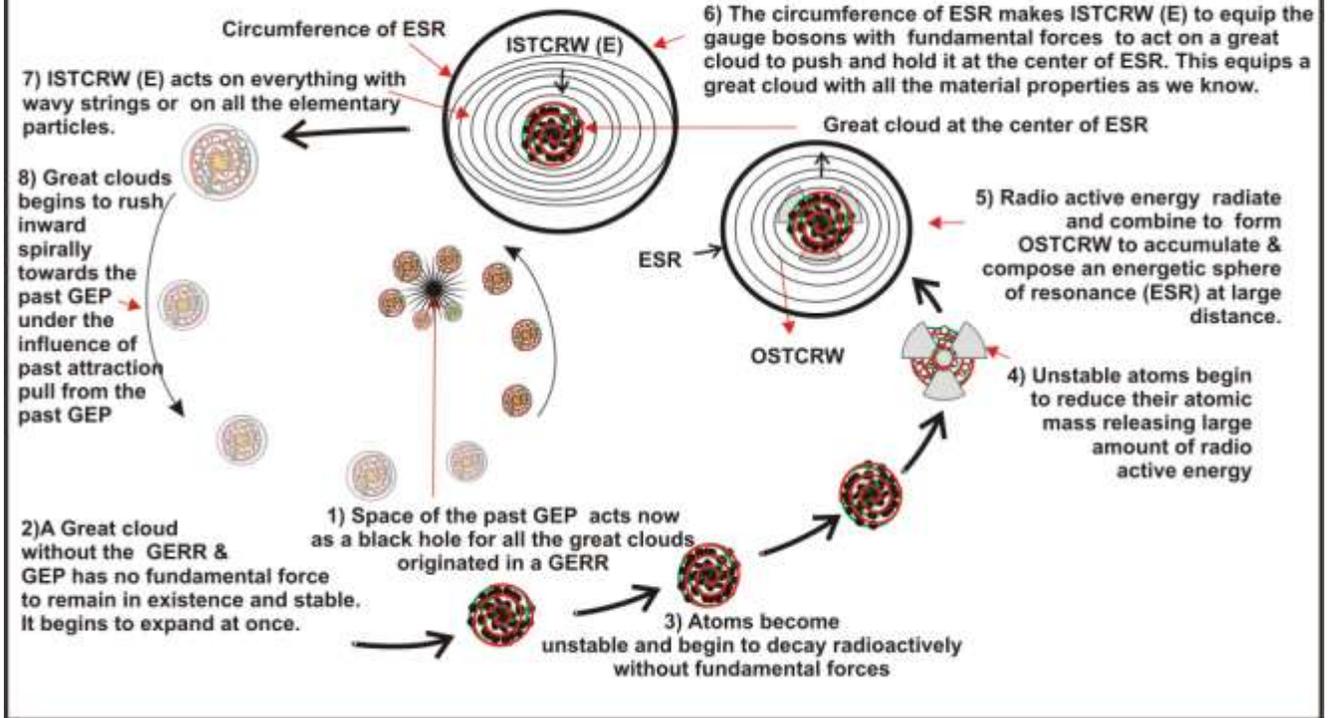


6) At this point of time GEP and GERR are vanished and great cloud remains without GERR and GEP.

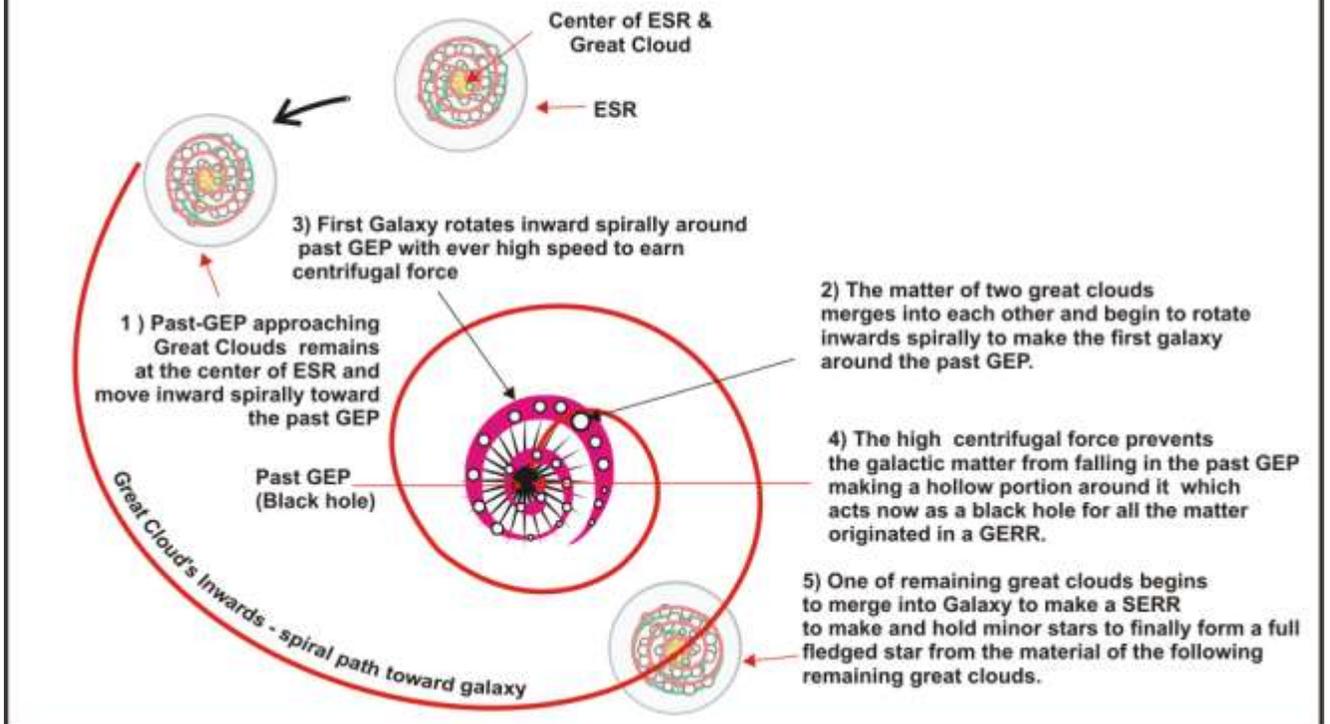
1) The ring of streaming atoms develops electromagnetism to make several energetic point (EP) along the middle of GERR

2) Each EP is able to put an inward spiral rotational motion on atoms toward it. Each atom picks up high speed near EP to earn centrifugal force to reverse its inward spiral rotation into outward spiral rotation to escape it to reach at the middle to earn inward spiral rotation again and so on.

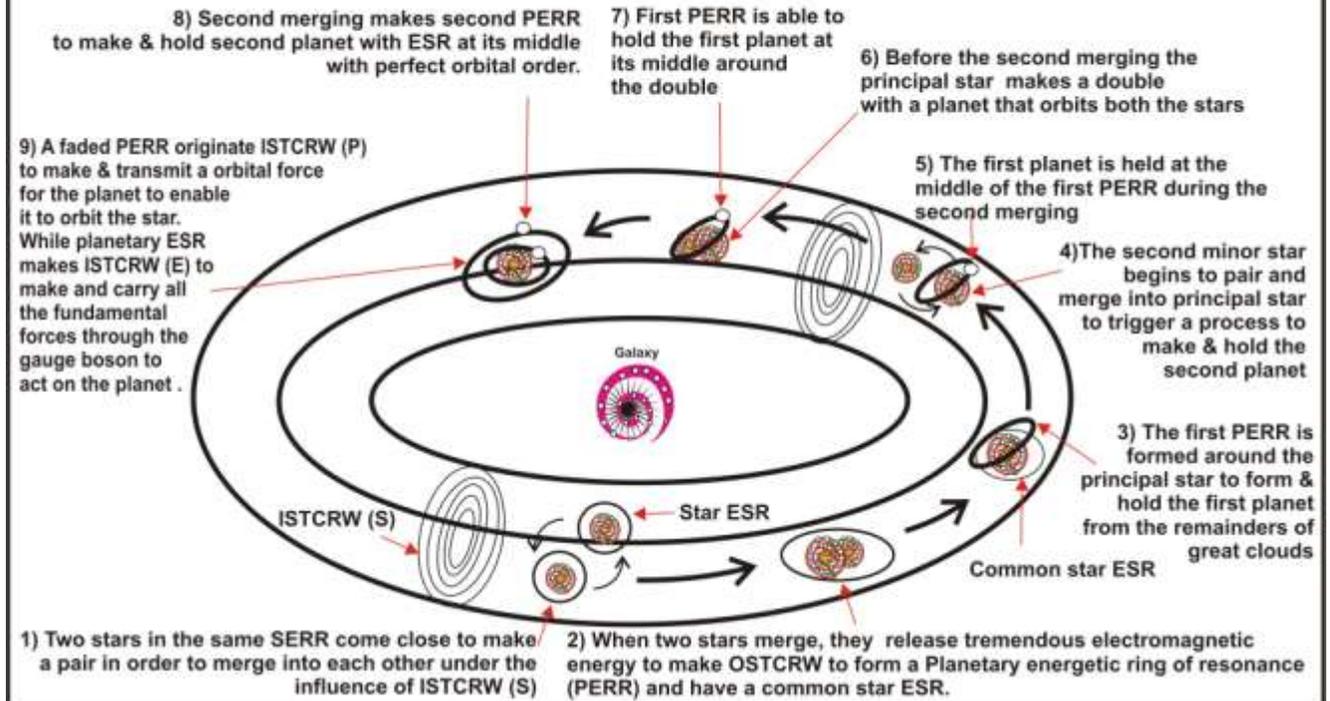
Great Clouds Without The GERR & GEP-1(E)



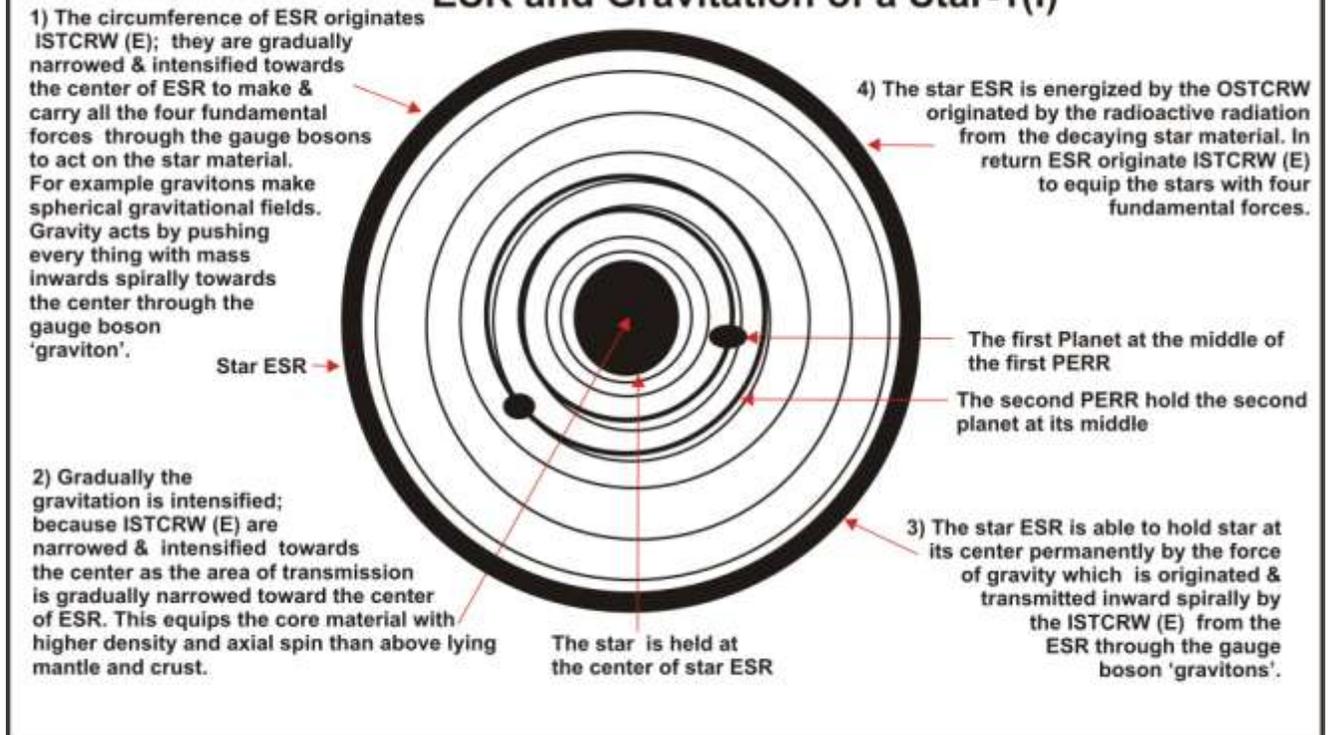
Formation of the First Galaxy -1(F)



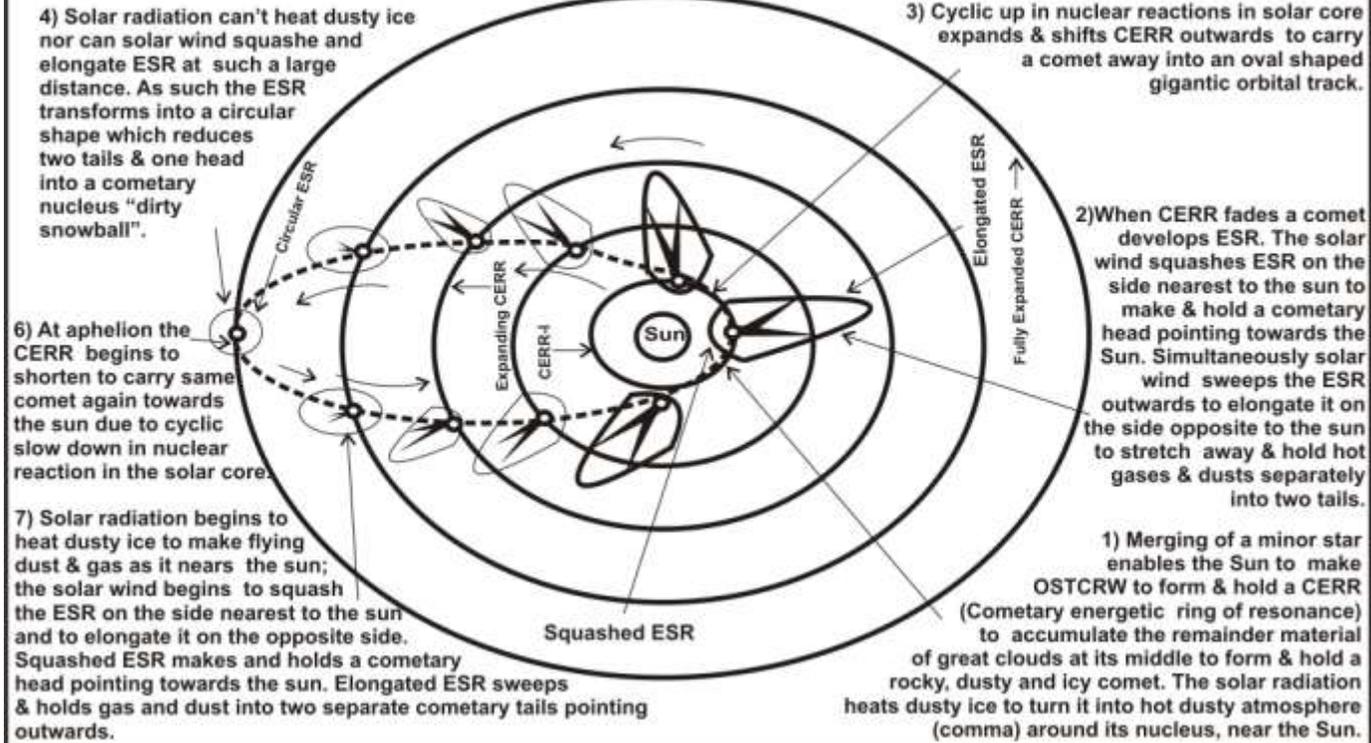
The Star Pairs Form Planets-1(H)



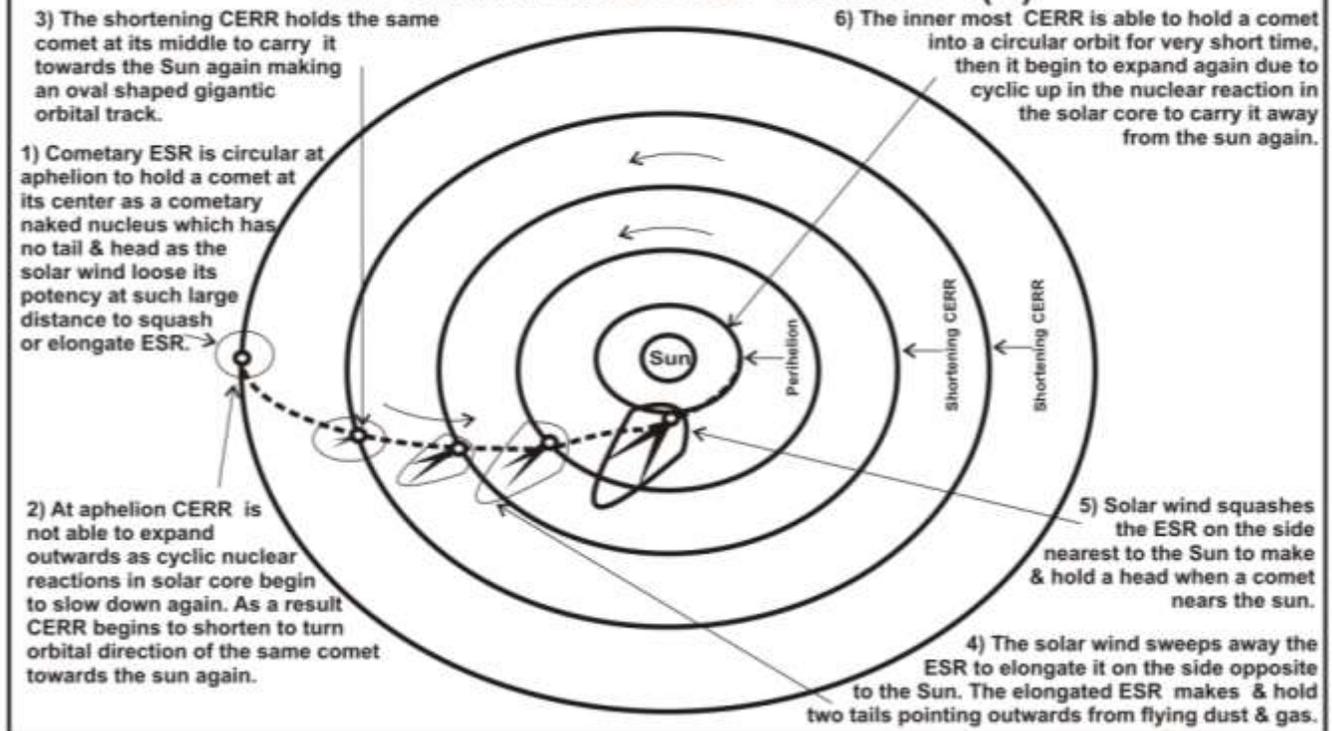
ESR and Gravitation of a Star-1(I)



An Oval Shaped Gigantic Orbital Track of a Comet-1(J)



How does a Comet near the Sun?-1(K)



How does a Comet go away from the Sun?-1(L)

5) The less elongated ESR hold reduced tails. Faint solar radiation allow the gas & dust to freeze into nucleus. The ESR begins to get circular shape.

6) The circular ESR makes and holds naked cometary nucleus "a dirty snowball" again at aphelion.

7) The CERR is not able to expand further at aphelion. From here the CERR begin to shorten to carry a comet towards the sun again in response to a cyclic slow down in nuclear reactions in the solar core and so on.

4) Expanding CERR holds the same comet at its middle. Hence, it carries a comet away from the sun into an gigantic orbit from a smaller circular orbit.

3) The solar wind compress the inner circumference of ESR to squash it to hold the cometary head pointing toward the sun.

2) The solar wind sweeps ESR outwards to elongate it to make & hold two tails pointing outwards from the sun.

1) At the perihelion the CERR begins to expand again due to a cyclic up in nuclear reactions in the solar core to carry the comet away from the sun to put it into an oval shaped gigantic orbital track. Expanding CERR holds the comet at its middle to carry it away with it.

