

New Generation – Vedic Wisdom

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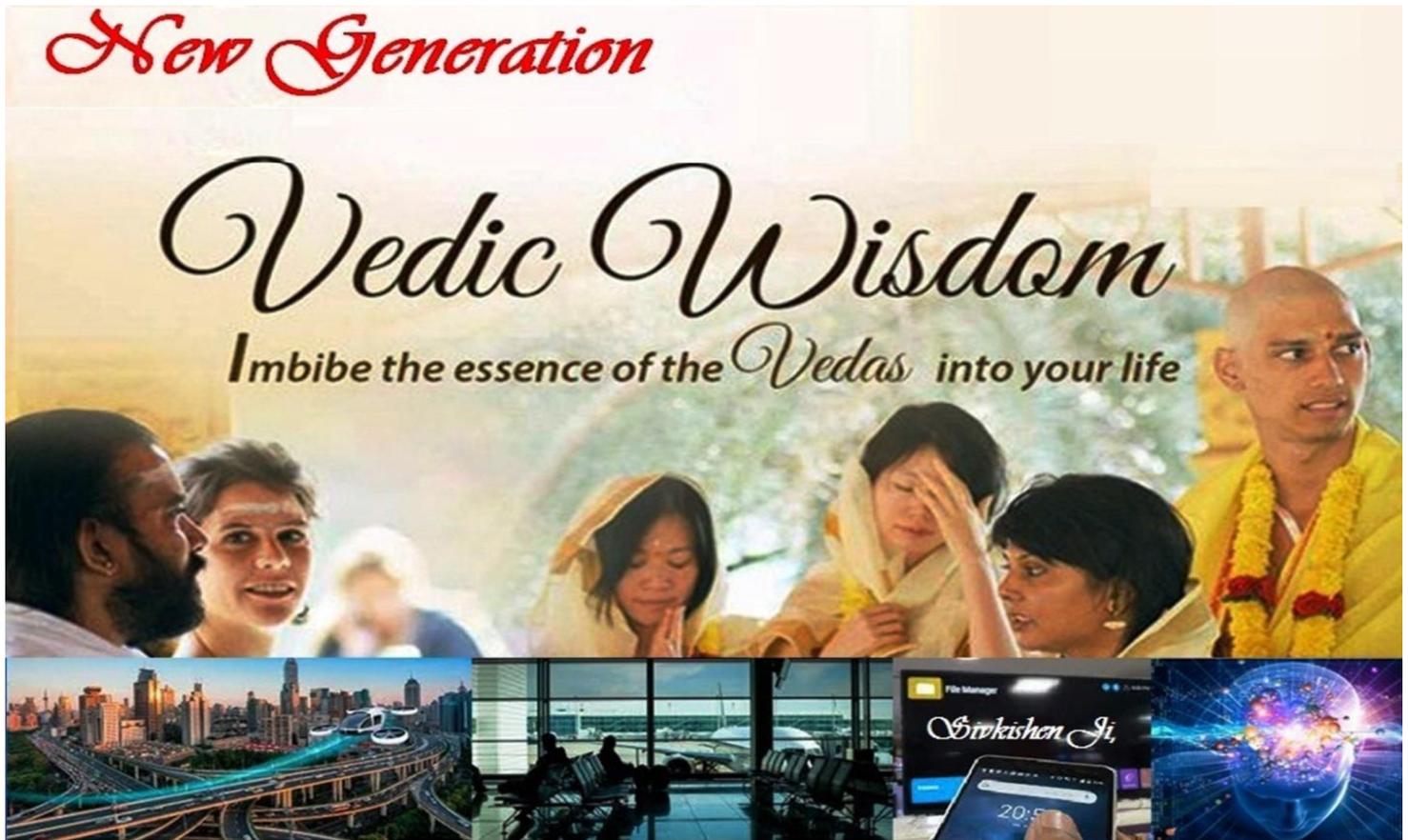


Figure 1¹⁵ Future India

Abstract: The basis for any scientific discoveries and inventions is to explore, observe, experiment, and interpret. Knowledge of the Vedas has great potential to make a positive difference to modern India.

"Imagination is more powerful than knowledge," said *Albert Einstein*. For this, one needs to rely on prior knowledge, facts that are documented, so that the results lead to new or improved status in the given realm. It is in this context that Vedas, which are the

primary texts of Hinduism, assume great importance. The scientific aspects of Vedas have already been attracting attention worldwide and it is hoped that the future rests on the development of humankind along with the righteous ways, which modern science, strives for and the Vedas stand for. In this article, we will be discussing all these various aspects written long back which we need to focus on and study them so as to understand and implement them by following these concepts. Though, it will be a great challenge for us whether we will succeed in this path of vision or not.

I. VARIOUS APPROACHES OF ASTRONOMY THROUGH HISTORICAL CONCEPTS AND OUR VEDA

Modern Astronomy Based on Vedic Cosmology. The Vedic Rishis are Scientists and Cosmologists¹. The existence of rather advanced concepts like Spherical Earth and the cause of seasons are clearly explained in Vedic literature. Rig Veda xxx. 1V.V, it mentioned that the Earth flattened at the Poles in Markandeya Purana (2) (3) (4)

"Sixty-four centuries before Isaac Newton, **the Hindu Rig Veda** asserted that gravitation held two universes together." The Sanskrit-speaking Aryans subscribed to the idea of a spherical earth in an era when the Greeks believed in a flat one. The Indians of the fifth century A.D. calculated the age of the earth as 4.3 billion years; scientists in 19th century. England were convinced it was 100 million years." an official statement made by the scientific community of England.

Our Vedic Rishis propounded that the "Everything Moves in the Universe". The description of tectonic plates was known recently based on the Jambudvipa explanation of Vedas.

Vedic concepts of Hiranyagarbha⁵ (golden womb) and Brahmanda (the first egg), are comparable to cosmic egg origin systems. The Srimad Bhagavat Purana⁶, Brahmanda Purana, Vayu Purana among others contain references to the initial process of the origins of the universe as a cosmic egg. Srimad Bhagavat Purana described the 12 phases of the creation of the universe and its history.

The four texts of the Vedas (meaning "knowledge") include Rigveda, Yajurveda, Sama-Veda, and Atharva-Veda. These influenced many from *Nicola Tesla to Bohr* and inspired them to explore the new vistas of science and technology and to imagine the

unimaginable. *Bohr, Heisenberg, and Schrödinger* regularly read Vedic texts. Heisenberg stated, "Quantum theory will not look ridiculous to people who have read Vedanta." Vedanta is the conclusion of Vedic thought.

The Yajur Veda and Atharva Veda mentioned sailing in the ocean and flying in the air in the Vimana. It said that the art of navigation was born in India and the word 'navigation' probably has its root in the Sanskrit word 'navigate'. Several modern ideas relate to Geography, Geology, Medical sciences including surgeries, Physical and Chemical Sciences, Arts, and Fine Arts. Economic development, Psychology, Metaphysics, Spirituality are traced back to the Vedas.

Moon does not have its light: The fact that the moon has no inherent light was unknown to early westerners and yet the Atharva Veda revealed the truth thousands of years back.

A release from the scientific community of Germany stated that Veda is an ocean and there within lies a vast resource of knowledge describing a myriad of physical, metaphysical, and philosophical phenomena.

Not only was the creation of the universe detailed in great detail but it discussed the period even before the '**Big- Bang**', which formed the basis of theories proposed by the likes of Professor Hawking and other scientists in the west.

Contrary to the existing linear theory of time, modern scientists have advanced a recent theory that confirms the alternative expansion and contraction of the Universe. This modern theory too based on the Vedas where it is stated that the world is created and destroyed at periodical intervals of time through the concepts of Kalpa and Manvantara

II. CONCEPTS KNOWLEDGE OF MODERN SCIENCE TECHNOLOGY AND OUR VEDAS

Dick Teresi, in his book, *Lost Discoveries*⁷ — that Ancient Roots of Modern Science reveals the fact that even several thousands of years before Aristotle the Vedas had declared that the Earth was round and it revolved around the Sun. The Vedic hymns also mention that the Sun is the center of the Solar System and that the earth is held in Space by the Sun. Even 2000 years before Pythagoras the Vedas had declared that the Solar system was held together by the gravitational pull. The knowledge about the gravitational pull found in the Vedas was twenty-four centuries before Newton discovered two laws of gravity.

*Henry David Thoreau*⁸ said, "In the morning I bathe my intellect in the stupendous philosophy of the Bhagavad Gita... in comparison with which... our modern world and its literature seems puny and trivial." Julius Robert Oppenheimer, the principal developer of the atomic bomb, stated, "The Vedas are the greatest privilege of this century." During the explosion of the first atomic bomb, Oppenheimer quoted several Bhagavad-Gita verses from the 11th chapter. It said that science and religion are not different; it's just that science is too young to understand. Mahabharata and the Vedas have influenced a generation of scientists and are still relevant in creating cutting-edge advanced and futuristic technologies for humankind including modern weaponry and warfare.

Dhanur-Veda discusses military science; The Kurukshetra war had witnessed⁹ a lot of ancient weaponry that was far more advanced and futuristic than what we possess today.

The function of an Astra is more than that of a missile. Astras used in Mahabharata probably might have also

used technologies of emitting most dangerous rays like Gamma and others, which have exceptional powers to penetrate. Some Astras return to the person who launches it, for instance, Krishna's Sudarshana Chakra. This may be similar to the reusable missiles that the Indian Space Research Organization (ISRO) is working on. How could it be possible to manufacture such advanced weapons, thousands of years ago without knowing the complex techno technology and without having large-scale industrial infrastructure? Well, those weapons are guided by some kind of alien GPS for long-range targets and commanded by the Mantras that are similar to today's log-ins and passwords.

Astras were also used for defensive purposes similar to a Tesla Shield which is used to destroy the enemy Astra coming towards it. The modern "Tesla shield" discharges electrical energy and any incoming physical object which hits the shield receives an enormous discharge of that energy and instantly vaporizes. Astra compared to the anti-missile air defense system of modern times. India has a Beyond Visual Range Air to Air Missile (BVRAAM) named Astra. These were named as Brahmashira, Pashupatastra, Vaishnavastra, Narayana Astra, Agneyastra, Vayavastra, Nagastra, Vajrasthra, Varunashtra, etc., used in Mahabharata along with positive indications of the use of Nuclear weapons, otherwise, how could the war cause the death of around 1.5 billion people in a matter of 18 day days. The wide degree of devastation found at the site of Mohanjo Daro corresponds exactly to Nagasaki.

Our Vedic past needs no feverish projections of mythical scientific achievements to establish its greatness. It lies in its ideas and values, potent today, as they were many millennia ago.

Swami Vivekananda said, "The Vedanta recognizes no sin, it only recognizes error. And the greatest error is to say that you are weak, that you are a sinner, a

miserable creature, that you have no power and you cannot do this and that." It is a wonderful assertion of human possibility, as distant from the fear-instilling restrictions of religion as interpreted by extremists.

III. MATHEMATICAL SCIENCE AND VEDAS

Vedic mathematics offer solutions to complex mathematical problems that are simple and easy to follow. **Mathematics is rightly called the queen of sciences.** The Sulba Sutra states the concept that the diagonal chord of the rectangle makes both the squares that the horizontal and vertical sides make separately. In Vedic mathematics, a decimal system of tens, hundreds, thousands, etc. where the remainder from one column of numbers is carried over to the next has been developed. The advantage of this system of nine number signs and zero is that it allows for calculations easily made. Further, it said that the introduction of zero or Sunya as it is called in India as a definite part of the number system in an operational sense marks one of the most important contributions and development in mathematical sciences. Vedic mathematics is connected to poetry, connected to music, and telling a story at whose end you realize that a theorem has been stated, a mathematics puzzle posed.

The great Indian mathematician Bhaskaracharya who pre-ceded Newton over five hundred years made some discoveries concerning the principles of differential calculus. He also produced treatises on both plane and spherical geometry, algebra, and the treatise contain remarkable solutions to problems not known in Europe until the late seventeenth century. The binary code, which is the very backbone of any software computer application, the algorithm, and the WWW that are all fundamentally resting on the concept of zero, are found in the Vedic literature.

IV. VEDAS AND VASTU SHASTRA

Artha-Veda is dealing with statecraft. Atharva Veda [53-2] states that the Kaala or Time rotates the seven wheels and has seven centers around which it moves. Its axis is immortal. Time is the first God, who moves. These seven wheels are the (1) rotations of the Earth, around its axis and (2) around the Sun, (3) the rotations of the Moon around the Earth, (4) the rotations of the seasons on the Earth, (5) the rotations of the days and the nights, (6) the rotations of the Sun around the center of the galaxy, and (7) the rotations of the galaxy around its center.

These rotations take place at seven places; naturally, there must be seven Nabhis i.e. centers. Rotation is a circular motion around one center. There are so many wheels rotating around an axis and rotating for the unaccounted period. So it must be immortal.

Atharva Veda [53-3] states that the Kaala or Time is a full pitcher installed in the super space, beyond the ordinary space or sky. Time was present when space or the sky came into being. Modern science presents the theory of the genesis of the Universe, called the Big Bang theory. Atharva Veda [53-4] states that Time nourished the world.

Atharva Veda [53-5]: Time has procreated this sky, space, the Earth. Past and future are hurled (Ish) into time and they are situated especially in the Kaala.

Ayur-Veda concerns medicine and health; **Dhanur-Veda** discusses military science; **Gandharva-Veda** unfolds music and arts and **Sthapatya-Veda** explains architecture.

The science of Vastu Shastra, which concerns with the layouts and the direction of building architecture and is

a hot current topic the world over, is traceable to at least the year 3000BC in the Vedas.

While trying to trace the Vedic sound vibrations responsible for the creation/destruction of the Universe, *NASA's Alan Kogut*¹⁰ and his team discovered that the space roar, which was a radio signal from outer space. Alan Kogut earlier also confirmed. "This is the structure of the Universe created by scientists after a research of many years if we take a look at the COBE results. We notice the uneven pattern in the radiation stemming from the decoupling of matter and radiation when the Universe was a mere 300.000 years old. The blue and magneto patterns represent areas that were slightly cooler and slightly warmer than average. These variations are at a level of about 1:100,000. But they must have been enough to seed the structures we see today. Finally, we conclude that Universe is shaped like an egg but this information was present in Vedic Literature."

V. CONCLUSION

"Amazing isn't it Vedas and Puranas are a divine source of knowledge," said *Dr. Donald Mitchell of the Johns Hopkins Applied Physics Laboratory*¹¹. "It is hard to believe that these facts were already mentioned in Hindu books thousands of years before at that time when we humans here didn't know much about Astronomy."

The cosmic dance of Shiva accompanied by the beating of the damaru probably suggested the sudden energetic impulses that could have propelled the Big Bang. In his book *The Wishing Tree*¹², Subhash Kok points out that the Puranas which are written with Vedas as the basis mention the creation and destruction of the Universe in cycles of 8.64 billion years that is quite close to the currently accepted value regarding the time of Big Bang. Contrary to the existing linear theory of

time, modern scientists have advanced a recent theory that confirms the alternative expansion and contraction of the Universe. This modern theory too based on the Vedas where it is stated that the world is created and destroyed at periodical intervals of time through the concepts of Kalpa and Manvantara.

While the Greeks spoke of a flat earth, the Vedas had long ago stated that the earth was spherical. The seven horses tied by the snakes which draw the chariot of Surya (Sun) mentioned in the Rig Veda represent the seven columns forming light and the movement of the Sun's rays. Modern Physics tried to prove that the sunrays travel in a curved manner. The snakes with which the seven horses tied to the chariot represent the curved movement of the rays of the Sun. Even before the time of Galileo and Copernicus¹³, the sages of the Vedic period pointed out that there is no real sunrise or sunset and that these are only to indicate the beginning and end of a day. Rig Veda has hymns about advanced concepts like eclipse cycles through its references to the zodiacal signs.

*Alexander Dull*¹⁴ a British historian pointed out that many inventions and discoveries of modern Science that are considered to have emerged from Europe were made in India several centuries ago. In Vedic literature, there are references and descriptions of flying machines called Vimana.

The future of India relies on the betterment of its youth and children. Parents should respect their elders and teachers should teach the same to their children-
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⁵Note: New Generation -Vedic Wisdom is a Historical Research Work.
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