

Innovation: Looking at Past & Designing the Future

Concept Paper by AIM-IT Innovation Council



Introduction

The world is striving for innovation, which changes the way of living. We have many innovations in our present times that have lead us to what we call as modern world which includes Heavy machinery, Micro and Nano Chips, robotic arms, flying machines, Modern Computers and many more. Each of these innovations has changed the way we live and since the change is continuous, we are ever evolving. We have made loads of innovations in arms and weapons to defend us as well as to destroy our so called enemies. This cycle of creation, use of creation to make a better living, using the same creation to destroy others is never ending.

Therefore no innovation has pure advantage and pure disadvantage. It is the use or misuse of Science and Technology that leads us from one Equilibrium point to the other. "Necessity is the mother of creation Or innovation", so necessity solving one problem leads to creation of a solution, which may in turn lead us to next problem, but nevertheless we have addressed one problem.

When Scientists all around the world are spending billions of dollars to innovate, how should people of this country act to innovate? Either we all blindly copy the West, intelligently copy the west or copy and adopt the Western technology which is best suited for us. In this context, innovation may be an improvement over someone's creation, but still it is not so original.

If we have to really copy, then why not copy our ancestors? Indian civilization, dating back to 5000 years, has well forgotten manuscripts that point the fact that our civilization was advanced during those days. India was rich for its innovation in Astromomy (khagol sastra), Mathematics (ganit), Physical sciences (sciences of Anu or Atom), Chemistry, Mechanical engineering and Ship building, Medical Sciences (ayur veda, sastra karma and salya vidya) and last but not the least Yoga (science of Body, Mind and Soul).

There are profound literatures of Vedas that link us to evidence of existence and wide use of such knowledge in those days. If these stories are mere books or better stated as lost titanic, then should we not go back and rediscover ourselves as a venture to innovate? If we have to innovate better things and technologies, our fore-fathers may come to our rescue with their rich expertise and we need not be groping in dark labs to find out new ways of life.

This concept paper is just a path finder. It by itself cannot innovate, but will try to show the direction as to where the goldmine is. If we discover/innovate through our past, a colossal problem of today's world of science and technology challenging and questioning our abilities will be resolved.

Decoding Sanskrit

Languages are used to express and communicate. The long lost language which very few Indians know is **Sanskrit**. Most of the past Vedic texts are written in this language. It is said that many of our forefathers wrote about their observations and understandings about cosmic

nature of this world through Sanskrit. This is not just a language of any particular religion or sect. It was a medium of communication for science and literature at that time. The West, at the time of invading India declared Sanskrit as the language of cannibals and prevented us from using it. The impact was so deep that with time we lost touch with the language and in a race of copying and equalizing with the rest of the world, we completely lost the profound knowledge hidden within Sanskrit.

The most interesting fact about this language is that it is very scientific and compact. One single word can be interpreted in various ways that may have various hidden information. Hence, we have to devise a way to interpret it in our modern languages, namely Hindi and English. To ensure that information is not lost, and can be memorized by humans, most of the text was written in verses which are poetic in nature. But the most important part is "to read between the lines". Hidden information of sciences inside verses needs to be decoded. Collaboration between engineers, scientists, pundits and preachers will help in decoding Sanskrit for the betterment of mankind.

Science of Vimana

A starting point for our journey of re-discovery should be the Vimana or the flying machine. Modern Engineering has already developed aerodynamic systems that can be used for transportation and warfare. However, our past had something better called Vimanas. One of the most popular references of this concept is the Pushpak Vimana of Ravan. It is interesting to note that Pushpak looked like a white cloud that flew from Lanka to Ayodhya in one day. The technology used to develop the Pushpak Vimana was the mechanism of anti-gravity and thought-power.

During the British rule in India, a scientist named Dr. Talpade invented an unmanned aircraft using ancient Indian technology re-discovered from the ancient books of Pandit Shri Subbaraya Shastri and flew over Chowpati beach in Mumbai, India in 1895, exactly 8 years before Wright brothers invented the Aeroplane.

The technology used by ancient Indians is depicted in early scripts and legendary books like "Ramayana" describing the power of flights. The Sanskrit book written by Maharishi Bharadwaja depicts full construction of Vimana or the Flight, the metal construction, design, body, even construction of the furnace used to make the metal which in turn is used to make the body of the aircraft. It also gives good idea about the pilot, dresses, and even food. It clearly shows different kinds of aircrafts which existed. The book was translated in English by Mr. Josyer and by Mr. David Hatcher Childress and was one of the rare books of those times to carry detailed mentions on the drawings and construction technique of an aircraft, which could use free energy or Anti-Gravity to run with speeds of ~40,000 Km/hr and fly about 1500 ft from the ground. The consequence of the experiment led to the capture of Mr. Talpade, Shri Subbaraya Shastri and the Maharaja (King) who funded this experiment was threatened by the British to withdraw all efforts.¹ Samples, references and remains of the aircraft were sold to some unknown Germans by Dr. Talpade's relatives.

This clearly points out the possibilities of re-discovering ourselves and the time is right. In today's modern India, with new enthusiasm and hunger to innovate, we should give an honest attempt in this direction. Can we become the next innovators of drone? We have well established institutions on Aeronautics, but existing scientific teachers and researchers may not agree to experiment on something what they think is not obvious. Innovation is a journey to achieve the impossible, so existing scientists may not be interested till someone proves them wrong. But should that deter us?

This science to make an object fly with free energy or anti-gravity generator will not be an easy re-discovery, but it may lead to more findings in the field of avionics.

Science of Information Technology

The world is ahead on internet technologies in the present time. If not ahead, at least we are at par with modern times. The use of this information Technology should be our key tool to accumulate our knowledge at one place and keep it open for others to access. Knowledge is not lost if shared. If we need to re-discover ourselves, we have to share whatever we are finding. If that benefits the world, so be it.

Among the many use of IT, one of the most interesting use can be to co-relate hidden data (verses and hymes) among various manuscripts to try and figure out the "common idea" or "strongest idea" our forefathers communicated. If we can create a library of information of our forefathers and recreate one such avatar through this information, which we may call as "**Guru**", then we may be rest assured that the journey has started in the right direction.

There is an ancient story of Mahabharata, where an ace archer wanted to learn Archery from a Guru who refused him to teach. He created a statue of the Guru and started learning before the statue; with no knowledge of the real guru whatsoever. One day, the real guru finds out that this rejected student is gifted with some hidden techniques of Archery which he wasn't aware of.

So to conclude, Creation of an Information Guru using Modern Analytics and Machine learning is among the second steps that we need to venture in. As we keep progressing, practicing and re-programming, the ultimate hidden Secret Guru will re-surface, as proven in ancient times. If there can be driverless car, there can surely be a *faceless Guru*.

ⁱ Source: <http://www.speakingtree.in/video/vymanika-shastra-ancient-indian-aeronautics-antigravity-machine>

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