

How the artificial was deployed in the past – A review

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Abstract: If we introspect our past than we found that Artificial Intelligence (AI) is not a new thing for our ancestor. Numerous legendary stories, ritual books and epics which disclose the AI of that time in a simple and very impressive way so that a common person might be familiar and understand the science and technology of that time. The basic difference of today's science and science of our past is the science of today is against the will of nature and our ancient science was parallel to nature. It's an open secret that Sanskrit is most ancient language of the word which is grammatically very scientific and its pronunciations are unique even it suits for so many programming of computer which is definitely helpful for AI not only for present but from the future perspective point of view.

Key words- Artificial Intelligence, Space time relativity, Immortality, Asuras, Kumbhakarna

1. INTRODUCTION

First major breakthrough in Science and Technology was to invent a wheel and thereafter a long chain of improvement. In 17th century the invention of steam engine was again a turning point in science and technology, the manual work sifting by technologically advanced machines. John McCarthy, introduce the AI in science and technology for the first time (in 1956) on the planet but in real and practically there was no as such use of AI by the human being. [1]

From 1980 -2000 military and academia felt the need of AI for the better operation in machine lethal weapons. In 2005 onwards large company in science and technology invest a huge amount on research and development in the field of AI. USA already use UAV (Unmanned Aerial Vehicle) for

defense and other purposes. AI is a boon or a curse is really a long undecided debate which has always a lot of pros and cons on either side. For example, if we develop a car which could move without a driver and it will be common thing in the coming future but the same car is supposed to meet an accident who is supposed to be held responsible for it. This one is really a legal and ethical dilemma in front of us [2].

Now a day's peoples are more and more depend on AI for e.g. a driver moving from Delhi to Haridwar and he would reach his destination with the help of GPS without asking anybody.

AI in India in the present scenario: Our country is taking a very strong and concrete step in the field of AI to take the initiative like make in India, skill India and digital India and Indian government is aggressively encourage to the Indians to take participate in this movement so that the entire country must come in the grip of this revolution. India vigorously is taking every possible step to enter in the era of developed countries and AI is one of the major important features in every step of Science and Technology which could boost up our production quantitatively and qualitatively [3].

A Glorious past of India: It is need less to mention here that Indian civilization is the oldest civilization of this planet.

Archeological evidence clearly mentioned that Mohenjo-Daro Harrapan civilization was one of the most advanced urban civilizations of the world. At about 5000 years back people of India were well aware of this fact how to make the most modern town planning and its implementation on the large scale. And this town planning is still a motivation for our modern architects and civil engineers. Our great ancient sages introduce the Binary numbers refers to a set of two numbers, 1 and 0, the combination of which are called Bits and Bytes [4]. This Binary number system was elaborated by a great scholar Pingala in his book *Chandahśāstra*. This Binary Number is the fundamental of computer and its related programming. Our glorious past revealed that AI was not a new thing for our ancestors or they were even better position of today's science and technology. There are some legends and ancient literature that reveals that our past was full of mysteries with the presence of great Sages or Superhuman beings.

II CASE STUDIES

A. *Space time relativity on the human being*

There was a famous legendary story in which Kakudmi a famous character and a benevolent ruler was blessed with a beautiful daughter named Revati endowed with best qualities of human beings. Kakudmi also held some mystic power which is still unknown to the human being of the present civilization. Kakudmi found that there was no match for his daughter for marriage. So he took Revati to Brahma Lok. When they arrived at Brahma Lok Brahma Ji was enjoying a musical concert by the Gandhveras. Kakudmi patiently waited, when the concert was over, he discussed his problem with Lord Brahma.

Brahma was surprised and told to Kakudmi that 27 Chatur Yugas (a cycle of four yugas, totalling 108 yugas) had passed on the Earth and no one of Kakudmi's time remain on the planet and human beings on planet also quite unknown to him. However Brahma Ji advised him that Lord Vishnu incarnate on the planet Earth in the form of Krishna and Sheshnag in the form of Balrams [5].

He recommended Balram as the suitable husband of Revati. The Bhajvat Puran describe that Kakudmi now the formed the race of man had become enfeebled in intellect, reduce vigor and dwindled in stature. This legend completely describe about the Space time relativity in very specified way. It means human beings at that time were well aware about to space and time relativity.

B. *Human Immortality a future aspect*

Immortality is the most esteemed thought and imaginative wish of human being in the world. People infected with some incurable chronic disease with the age, they have only wish to live longer with full of energy and beauty. Humanity is not only admired by an old person, but also by the young generation for fulfillment the youthfulness, creativity and for the full enjoyment of life. An extraordinarily and fast computer technology has opened the humanity a thoroughly different method for solving the immortality problem of an individual. This AI method is based not only trying to preserve the fragile biological molecules, but it is based on particular chips that are resist for temperature fluctuations and they don't require any source of energy, food or oxygen, and they can be preserved for many years. This information can easily be re-recorded into another chip and be stored in several duplicates. In this way in future we

can imagine immortality in human being with the help of AI [6].

C. Human like emotions in manmade creatures like Asuras

(a) **Sambarasura:** our Vedas and ancient epics are the best source for knowing the use of AI in ancient time. In Rig Veda there is an example of “Sambarasura” Asura with unique power of jumping and moving into the sky, even he was capable to go out the atmosphere and can fight from the outer space. He was able to produce robots like creatures and created Dama, Vyala and Kata respectively. These robots were emotions less with less or no sentiments they know only victory. After some time Sambarasura” add some AI features like Ego, this property enhanced their fighting capacity with Gods that could have exceptional worth. After introducing AI Sambarasura always wins and enjoys his life at their cost [7].

(b) **Kumbhakarna: In Valmiki’s Ramayana there were some more interesting characters that had some qualities of AI . one of them was Kumbhakarna , known as Ravana’s younger brother. It was believed that he had huge body structure like a gigantic Robots/appearance. Ravana used it only in difficult time like war etc. Kumbhakarna sleep for sixth months we can assume that due to its large structure it required more energy to work that why it awakened only when there was a serious situation. Valmiki writes some chaupai in Ramayana that clearly defines the Kumbhakarna was a machine, AI Robotos not human being [8].**

No doubt we need advances in modern science and technology but at the same time, we need

to think about the consequences that come along with the advances and discoveries in the present Kali Yug. There are a number of such incidents mentioned in the Hindu scriptures which teach us lessons for life. This tale mentioned in the Yoga Vasishtha contains a lot to be learnt from.

ध्रुवम् लोकविनाशाय पौलस्त्येनासि निर्मितः।

तस्मात्त्वमद्यप्रभृति मृतकल्पः शयिष्यसे॥ ६-६१-२४

Translation:

These lines define Kumbhakarna that he was formed by Visravasa, the father of Ravana. The aim of his creation was only devastating that’s why he was in sleeping mode for six months. These lines clearly define word NIRMITAH’ means created not born.

In another lines Valmiki writes the devastating nature of Kumbhakarna in the battle field with Vanarah (Monkeys). Monkeys were felt numb with horror when Kumbhakarna comes in front of them because they were in fear of crushing by the toe of Kumbhakarna.

they run in fear then Vibhishana reveal the truth of Kumbhakarna to Rama.

उच्यन्ताम् वानराः सर्वे यन्त्रमेतत्समुच्छ्रितम्।

इति विजाय हरयो भविष्यन्तीह निर्भयाः॥ ६-६१-३३

Translation: After that Rama told all the Vanarah that it is a advanced type of machine (AI) with emotions. By knowing this, they can become fearless by now.

There is an example that contained Kumbhakarna was a machine with huge structure.

प्रक्षिप्ताः कुम्भकर्णेन वक्त्रे पातालसंनिभे।

नासापुटाभ्यां निर्जग्मुः कर्णाभ्याम् चैव वानराः॥ ६-६७-३६

Translation: These lines depicts when Vanarah hurled by Kumbhakarna in his mouth it was just like a hole in the earth, the monkeys fell in it and after some time they again came out from his nostrils and ears. This property of Kumbhakarna forced to think that he was not human being it was a huge machine. Because no one can enter into a gigantic person's mouth and come out from nostrils and ears, unless the giant is a machine with no internal anatomy?

But in same Ramayana, it was clearly stated that Kumbhakarna was married with Vajramala and had kumbh, nikumbh as sons. These sons were killed by Hanuman. So, Kumbhakarna must be an alive brother of Ravana, who operated a giant robot from its inside (like the AMP suit in Avatar movie). So, the robot was known with the same name of its operator. In fact Kumbha-Karna means the one who has pot (kumbha) like ears (karna).

III. CONCLUSION

Change is the law of nature but one thing we must always keep in our mind that Science is a good servant but a bad master as and when we lose the control on AI or any accident may occur due to wrong feed back in programming or manipulation in the programming in any stage depends upon the attitude of a person to damage the benefits of AI. In that case it is very difficult to find out who is real guilty or other one is not. Our ancient scriptures and AI used in to became a demon how had no emotions accepted to destroy the human being at a large scale. In that case AI was really a dangerous thins but if we can learn the lesson from history then AI is really a boon for the coming generation and its uses will not only beneficial for the defense purpose but also for

the peaceful purpose for example in transportation with the help of GPS we can not only navigate the vehicle but also located the exact position of the vehicle, in the field of medical AI with the help of mini robots are now being used corporate a person in a very critical stage, with the help of Drone we can deliver the required commodities in accordance with the demand of the customer without wasting much time. The planet is really shrinking not only in terms of size but due to fast communication and movement. It is needless to mention here that AI has both the pros and cons depend on its use.

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