

Review of the Documentary

by

Scientists & Technologists (IIT'ians)

Center for introspection & enlightenment
*Initiatives for a Utopian world based
on Science & Technology*

Decoding the mystery of life

EVERYTHING IS ONE

Part 1
Origin, Evolution & Nature of life
Design & Architecture of
the human system

Part 2
Purpose of Life
Functional Specs & Application Axiom
of the human System

A film for Scientists & Technologists
Avlb worldwide on Vimeo

By
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(25 yrs in Information Technology)

www.ci-e.com

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Reviews of the documentary

by

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See the documentary on Vimeo

https://vimeo.com/ciecanada/vod_pages

Review by

Dr Sumit Sharma – MBBS MD – Pediatrics

18 yrs in medical field. Canada

Dr Sunanda Sharma - MBBS – Gynecology & Obstetrics

15 yrs in Medical field. Canada

I and Dr Sunanda Sharma watched and reviewed the Documentary ‘Everything is One’ (both the sequels).

As a Doctor with 18 yrs in the medical profession - I can confirm that all the statements in the documentary with respect to Physiology are correct and to the best of my knowledge of the established and known facts in the medical field.

For e.g. the description of the following are factual and well documented in the medical profession

- (a) The stages and time period of growth of the embryo (Zygote)
- (b) And the functioning of the 9 subsystems ie Cardiovascular system, Digestive system, Respiratory system

However the functioning of the central nervous system (especially the brain) is not very well known or understood. The research is in a nascent stage and neuro scientists are still grappling to understand the functioning of the brain.

‘Everything is One’ explains the design and architecture of the Human system in great details - especially the functioning of the central nervous system in technological terms.

The Human system is structured and functions in a very scientific way just like a computer.

The author has methodically explained layer by layer using computer technology knowledge - the structure of the human system.

The 2nd sequel explains the correct input-data to the human system using 25 chapters called “senses”

All the input-data seems correct & logical and we feel it can easily be validated thru simple brain test using MRI Scanners.

I also feel that the contents of the documentary will be very helpful/ useful to the medical/biotech research institutions.

We found the documentary was engaging and fascinating and an encyclopedia of new knowledge.

I fully support the author's mission of 'A Utopian world based on science & Technology'

Review by

Suhas Hulaykar – IIT Kharagpur

18 yrs in IT - Data Scientist | Artificial Intelligence | Machine Learning | Deep Learning | Predictive Analytics & Forecasting | NLP

Review of - Everything is One – Part 1

The film "Everything Is One" is a unique effort to address the most fundamental aspect of human existence. That is the Design & Architecture of the human body!..We are so used to living our day to day life that we simply take it for granted & fail to admire the enormous wealth of God's creation - the spectacular human body and mind that we possess

The movie presents us the whole story of evolution of life from the beginning. It takes a deep dive into the entire span of billions of years to bring out the entire evolution process. It narrates how living matter came into existence starting with the basic unicellular amoeba to multicellular fungi to plants to animals all the way to the most advanced creation of God - the human being; How all organisms are capable of maintaining themselves, responding to stimuli, growing, developing and reproducing themselves to propagate their respective race. Going one step ahead with every passing generation, - as a part of the self learning process - how they have also been evolving all the way from Amoeba to animals to humans to superhumans ...

It goes on to explain how our body is made up of countless billions and trillions of cells. Such that each one of the cells is like a powerhouse that works round the clock, daily, from birth to death, like a full fledged supercomputer. Each such cell belongs to an organ that in turn is part of a system designed to deliver a specific functionality like digestion, respiration, blood circulation, excretion etc.

Thereafter it illustrates how these systems effectively interact with their surroundings via well defined processes like breathing air, eating and digesting food and discarding the waste as excreta so as to maintain the human machine. It establishes to the granular detail how each process is well coordinated via respective organs.

It further elaborates on the remarkable reproduction process wherein a zygote is formed via fertilization of female ovum with male sperm that borrows half characteristics of both; how the process is programmed so precisely that physical, mental sentimental characteristics get propagated across generations as the genes

Finally it poses the most baffling question of who designed this whole architecture and who drives the process that we call life? Mankind has been observing, analysing and hypothesizing with various theories to get a plausible answer to these questions over hundreds - rather thousands of years. However so far it has had limited success.

Starting from the above basic question, the movie brings out step by step detail with utmost precision and scientific interpretation. The author has done a commendable job in tackling the most profound question of human existence.

Everything is One –Part 2

Here are my comments for Part II

- Good and evil forces have always co-existed on planet earth over millions of years. Between these, only the good, noble and divine forces have contributed to the betterment of mankind. Evil forces, in contrast, has always worked towards destruction

- We humans are the luckiest among all living creatures on account of the unique power of reasoning, intuition, knowledge, and communication given to us by destiny. We must reciprocate this spectacular gift of human life we have got, by enjoying it to the fullest in the righteous way as well as by contributing to the evolution of the humans into superhumans. If we do this, we would have truly served the purpose of our existence!

- But how can we achieve this? The film "**Everything is One - Purpose of Life. Connecting the dots...**" has the answer....

It takes a deep dive into the operations of the supercomputer that we call as the 'human being', to explore - what all types of input data (all information we take in through our sense organs) is fed to it & what is the resulting output. It goes on to establish that a zygote, which is a raw human form at birth, can very well turn into an angel or a devil depending on what data is systematically fed to it.

- In other words it relates to how our education system should be redesigned to encourage gaining knowledge about vastness of the universe, understanding the infinity, removing the barriers of language, religion, cast, creed, countries etc., treating entire human community as one and teachings of morality, sacrifice, love and empathy towards fellow human being as the supreme.

Essentially all in the direction of what's called utopian living.

A Really a commendable creation that is very apt to get an insight on how to live a meaningful life.... a must watch for everyone

Review by

Sudha Chandran – IIT Mumbai – IIM (A)

18 yrs in IT – Voice & data communication networks, telecom, SAAS, Solution Architecture.

Everything is one – Part 1 & Part 2

This two-part documentary tries to bring out the purpose of human life and interconnectedness of human being with the universe scientifically. The purpose of human life is advancement – to evolve into a higher species. In order for us to achieve this objective, we must create an enabling environment and that environment can be created if we all are citizens of earth - of planet without boundaries, speak one language, have one currency, get access to common education system and get equal pay. The focus is to convey that all people are equal, universe is beautiful and we all must work towards evolving into a higher species.

The first part focuses primarily on human physiology and evolution of human being. After watching the first part, I was in awe of myself – the tremendous potential that each one of us has and the sophisticated systems we have within ourselves is just mind boggling. This realization hits the nail because of the use of familiar computer vocabulary like multi-dimensional database, master program, database maintenance, RAM, ROM, logic unit, malware etc.

The second part maintains the scientific outlook to explore the purpose of our life. The second part is made interesting by explaining things such as near-death experience, dreams, emotions. Part 2 also has several interesting examples, anecdotes about the likes of Captain James Cook, John Waterman to explain our various aspects.

All in all, I found these two parts fascinating and really appreciate Ramesh for all the research and effort that has gone in making this.

Three cheers to Ramesh for advocating to live a beautiful life!

Thanks for sharing the documentary. I really liked watching them.

best regards

Sudha

Review by

Dr Ravi Warriar – BITS (Pilani) PHD (Australia)

25 Yrs in Information Technology

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Overview

This review is my personal response to having viewed two video files developed by Ramesh Kulkarni, entitled Everything is One. I viewed the presentation 'cold', i.e. without any orientation or expectation of their content. I had to watch the videos twice, partly because of this lack of orientation and the fact that they are both very long, running an hour and a half each.

The intent of this work comes through as an attempt to explain the history of humans as a biological, evolutionary journey towards a higher, more advanced specie. An understanding this journey and the roadblocks placed in its path, can help us work towards removing these obstacles to progress and thereby 'align with the purpose of the journey'.

Kulkarni has clearly invested a lot of time trying to understand this evolution, pull together a large body of information about the human body and mind and connect this disparate knowledge into a coherent story. The presentation falls short of making concrete recommendations but does try to point us in a certain direction.

If you do watch these videos, I would urge you get past its superficial flaws and focus on the core message. I think you will find it useful and thought-provoking.

Objectives

What does the presentation describe?

The two-part video presents the primary driver of the human progress as the zygote, a conceptual entity that:

- * Has a set of objectives that it pursues
- * Has evolved into a Master Operating System (MOS) that manages the following components:
 - A database and DBMS for information, including episodic memory
 - An input-output system (for information and material)
 - Embedded autonomous systems to maintain the body and mind
 - Intelligent autonomous agents to identify issues and restore the system to operating state

- Learning system to improve its ability to cope with the environment

Kulkarni attempts to correlate the anatomy, physiology, cognition and behaviour of the human being with the characteristics of an information system, in the form of a functional specification. Though Kulkarni's model doesn't deal explicitly with conscious awareness of the 'self', it does attempt to cover a wide range of human aspects, so the term functional specification for a human is appropriate.

There have been other attempts to model certain aspects of humans and human systems, e.g. Viable Systems Theory, Integrated Information Theory for consciousness and any number of cognitive, anatomical or physiological models that form the basis for building robots. This model is different in that it takes the evolutionary perspective to survey the entire human being.

Certain aspects of the description of the model raise concerns because Kulkarni makes statements as assertions of fact, where in some cases they are not supported by current mainstream research or one of several alternative theories. To cite a couple of examples, the mechanism for generating energy has been identified as a 'fusion reactor' and the pineal gland is the clearing house for episodic memory fragments and their management.

What does it explain?

The 'why' for the model is the zygote, the essence of a human being. The zygote has been assumed to be an agency, with a purpose consisting of objectives such as self-protection and propagation, which are in themselves neither controversial nor unique to humans. Other objects such as that of exploration, which has hitherto been considered an exclusively human trait, is now understood to be shared by several other 'intelligent' animals. The objective of wanting to evolve to an advanced species brings the idea of agency into not only humans, but all organisms starting with the single-celled precursor to all living things – an idea that may not sit well with any of the current life-sciences mainstream schools, including those that subscribe to epigenetic transgenerational inheritance.

Some of the explanations for mechanisms that maintain the zygote on its ascribed path of evolution are also suspect. For example, the maintenance of physical and mental equanimity involves the simultaneous 'interoceptive' monitoring of a very large number of physical, chemical and possibly electrical states, not just the level of dopamine. In situations where individuals have reported validated information to which they could not reasonably have had access, such as past lives for example, the source of this knowledge is ascribed to 'residual energy and data' of deceased individuals that have entered the body 'via the mouth'. While there is no clear alternative explanation for the phenomenon, this one seems rather simplistic and far-fetched. Kulkarni does admit some of these claims are subject to validation and therefore remain unconfirmed theory.

What is it for?

The presentation is intended to provide direction for aligning human individuals and society with the objectives of the zygote. The basis for this approach is two-fold. First, making sure that the input (knowledge, nutrients and so forth) are designed to support the objectives. Second, if something does try to enter the system that gets in the way of the objectives of the zygote the input is either blocked from entry or quarantined and neutralised. An example is the energy-data from a deceased human ('malware') that enters another human being (it is not entirely clear from the presentation how this can be prevented or cured).

What ethical guidance does it provide?

The intent of the presentation is to provide an overarching objective, i.e. act in a manner that supports the essence of a human (the zygote) in achieving its multiple goals, including its individual and pan-species goals. The implication of this goal is that each individual acts in a way that supports every human to achieve their potential, which at a minimum implies a 'do-no-harm' principle. This would prohibit discrimination based on individual characteristics (such as colour, nationality or religion), excessive material accumulation at the expense of others, homicide/war and so on.

The devil is of course in the detail of the implementation. How does one prioritize between two positive goals? Is the assumption valid that educating individuals to inoculate or isolate 'malware' influences will suffice? Much of this implementation detail is left to subsequent stages, with very little guidance

The scholarly perspective

Why is this research being undertaken?

The primary purpose of this undertaking is articulate an overarching framework for the goals, structure and functioning of the human body and mind. Given this framework is accurate and valid, humans as a species can act in a way that is naturally aligned with the objectives of the essence of the human being, the zygote. By supporting the objectives of the zygote, these actions will also support the evolution of the human being to a more advanced specie – a universal utilitarian purpose,

What does it assume about reality?

The presentation is premised on the existence of an objective reality independent of the observer, or scientific realism. This presumes that the objects we can perceive outside of

ourselves actually do exist and so do objects that we cannot directly perceive but can be inferred to exist on the basis of objective evidence ((e.g. electrons). This is in contrast to approaches such as the one suggested by the 'brain in the vat' thought experiment, i.e. that there is no reality outside our imagination.

How do we establish the validity of what we know?

In the presentation, the stated facts about the anatomy and physiology of the human body are based on broadly accepted medical knowledge. However, the human mind is represented by a set of programs (Master Operating Program, intelligent autonomous agents, etc.) that have been 'developed' over the course of evolution, driven by the survival and growth imperative of the zygote.

Kulkarni has drawn a parallel between the evolution of the computer and the evolution of the human body-mind combination, in effect avoiding having to explain how the physical body, which has indeed evolved from primitive life-forms has come to be conscious and possess a sense of self – the 'hard problem' of both science and philosophy. The assertions derived from the use of the computer system as a model for the human being are left to be confirmed by means of future research, e.g. what exactly in the human body represents the intelligent, autonomous agent responsible for the sense of spatial orientation or navigation.

How has the data gathered and validated, based on which inferences are drawn?

The presentation includes information about the human body for which sources can easily be located, though there are only a handful of references in the presentation. We understand the content has been, or is being, validated with scholars and practitioners in the scientific and medical fields. The basis for the analogy between the human body and a computer system has not been referenced, its strongest appeal being its plausibility. The difficulty with this approach is that it does not rule out alternative perspectives that might explain the phenomena equally well.

The finished artefact

Overview

The presentation consists of two video files, each running approximately 90 minutes. Though they build on a previous video presentation (Connecting the Dots – which this reviewer has not viewed), they do not presuppose any knowledge of human anatomy and physiology. However, they do presume some understanding of information technology terms, which is appropriate since they are intended for consumption by IT professionals.

The presentation includes a lot of information, much of which cannot be retained without considerable effort. What might help is a transcript or a summary that prepares and orients the audience to the material.

Structure and navigation

Each of the video files is meant to be viewed end-to-end in a single sitting because they are not divided into sections that can be viewed separately. To start viewing the video from where one last left off, the viewer must make a note of the elapsed time. The presentation could be made much easier to view and absorb if properly sectioned, with an introduction and conclusion for each section, perhaps with a summary at the beginning and end of the presentation.

Content

The first video has the following structure:

- Timeline – human conception to birth
- Subsystems in the human body
- The crucial concept of zygote
- Specification of information system that would be needed to replicate the human body
- History of the computer
- Evolution of the zygote
- Purpose and evolution of religions
- Nature of the zygote

The second video has the following content:

- Overview for the Master Meta-Operating System and its components
- Description of each of the 25 'senses'
- Conclusion

It is difficult, based on the video to make an assessment of the completeness of its content or how the pieces fit together. What might help is an overview that describes the individual components and how they relate to each other.

Presentation

There are some areas for improvement in the presentation of the video:

- Improve the consistency and quality of the visuals and displayed text
- Reduce the volume level for the background music in general
- Get an editorial review done of the displayed text (to remove some obvious spelling and formatting errors)
- Use a neutral accent for the voice-over since this is intended for an international audience

Review by

Prof Dr Kanchan Chitnis – MSC, PHD (Bio-chemistry)

18 yrs in teaching - Clinical Biochemistry, Genomics, Proteomics, Food and Nutrition, Herbal Science

I saw the film.

The film explains biological processes in computer language which I found to be just jargon and not really explaining any specific biological process.

None of the complex biological processes are actually depicted in a deeper sense.

Considering this I cannot validate the biology part of the film.

Review of the film by

Prof Manas K Mandal – IIT Kharagpur Neuro-Scientist- Ph.D. FNAPsy.

The film raises interesting questions about life. These questions have a root in the philosophy of consciousness. The uniqueness of the film is about 'connecting dots' of various segments of life which gives a holistic understanding of the purpose of life, in retrospect. Any effort to get the essence of the film at a given stage of life will augment the quality of life as it progresses.

Documentary available on Vimeo

https://vimeo.com/ciecanada/vod_pages