

# **Soul and Mind as Inspired Scientific Circuit meet on Conscious Control of Human Body**

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## **Abstract**

Ancient knowledge and mythological studies have shown a tri-unity in the human body which comprises three integrated parts i.e. body, mind, and soul. Although the previous work supports the action of the body takes place in association with mind and soul, inter and intra-interaction/working principle are not well understood. In the present work, an attempt has been made to develop an electrical circuit model to connect each other and to purpose a communication network among body mind and soul. It is also proposed in an electrical model that the body as resistive, mind as capacitance and soul as the power of energy and find themselves as engine, controller/regulator, and source of energy respectively. The soul is connected as the power to deliver energy to the circuit through body and mind as messenger and information are processed during life state of body while it stops its activity of physiological function of body and mind lead to death. The energy of the soul reverses its path and merges to GOD for further reincarnation. We hope that the present work has extended a circuit theory to explain the functional control of embedded human body systems and the conservation of the creative energy of the soul.

**Keywords:** Soul, Mind, Human body, Consciousness, Scientific Circuit, Conscious Control

## **INTRODUCTION**

The human body and its life processes have remained a continuous interest and attention to understand the body scientifically, psychologically and spirituality since ages as per knowledge came into existence. Mind and soul have recognized as quantum states of the human body where the intrinsic thoughts as messages and power of energy are processed and released for growing survival and remodeling of the body at the different organization levels. The live human body is made up of metabolically active chemicals. The human organism originates after fusion of an egg and sperm to form a zygote- a single cell, which divides, differentiates, and formed several types of tissues. A human body has about 200 types of specialized cells that formed various organs and systems. According to Siegel, the mind is the emergent self-organizing process, both embodied and relational, that regulates energy and information flow within and among us (Siegel, 2007). The mind is the source of consciousness, the essence of the human being, without it, a human cannot be considered meaningfully alive. The mind goes far beyond the physical workings of the human brain and it is not simply our perception of experiences, but those experiences themselves. According to Marshall, the human mind is embodied in the entire bodily subject and embedded in the world, and hence is not reducible to structures inside the head (Marshall, 2009). Although brain functions create the necessary physiological support for the mind, these functions can neither determine nor “explain” the mind (Arievitch, 2017). The mind is concerned with the nature of consciousness that related to mental phenomena such as imagining, considering, expecting, perception, thinking, judgment, etc. Consciousness is presupposed by all mental activities. One must be conscious to feel happy, make a decision, and deduce a conclusion, and so on. Leibniz developed the concept that Mind and Body operate in parallel and he visualized the universe to consist of monads, each an independent being, combining both material and mental properties (Duncan & Latta, 1899). Perlovsky developed several

mathematical modeling to identify the fundamental principles of physics of the mind including instincts, emotions, concepts, cognitive hierarchy, the knowledge instinct, aesthetic emotions, perceptions, vague model-representations, dynamic logic (Perlovsky, 2016). The perennial puzzle of consciousness has even led some researchers to invoke quantum physics to explain it. Quantum mechanics is the best theory we have for describing the world at the nuts-and-bolts level of atoms and subatomic particles.

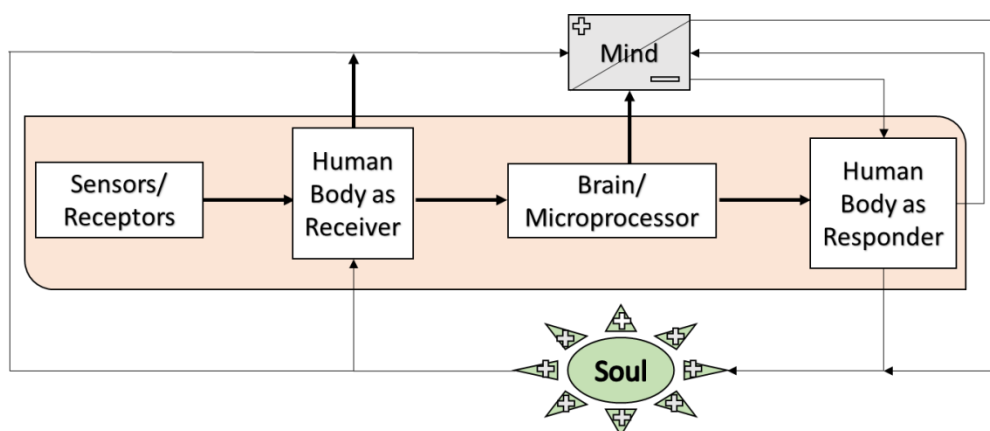
Soul has remained an incessant and constant center of attraction since the knowledge came into existence for mankind. It is understood that soul as a source of embedded energy in human behavior and body (D. V. Rai & Kumar, 2020). The Soul is unmanifested, eternal, all-pervading, and unchanged. The soul is considered as super-controller and universal consciousness energy state in the body. The soul is an ultimate source of positive energy, modulates the mind and physiological functions of the body, and helps to establish secure communication with the spirituality (D. V Rai et al., 2019).

In our previous studies, we proposed a hypothesis for the relationship between soul, mind, and body that they are interconnected and cannot be separated till death. The separation mechanism is not clearly understood for their internal survival in the human body and even after death also. We never find any kind of method, techniques, and technology to identify the soul and mind individually in the living body even after death. The whole body functions and their operational mechanism have been witnessed by the soul. It is a kind of a divine battery that never exhausts its power or capacity during individual life and re-birth as compared to the manmade battery which loses its strength with time in the working of instruments/devices. The battery has to be replaced to make the device in working condition. The soul and mind are quantum states of the human body which manage the function and control of the body. The energy from the universe is received, processed, and transferred from the body's sense organs to the mind and from mind to the soul and vice-versa. The

objective of the present study is to design, develop, and understand the dual scientific circuits that modulate/regulate the conscious control process of the human body. It provides a possible mechanism in the regulation of existing information to operate the human structure and function.

### Human body as a tri-unity

The human body is a self-controlled and auto-regulated body system. It is composed of soul, mind, and eleven organ systems. The brain is a microprocessor or microcontroller, stored memory, and worked together with the mind as software that provides program instructions to execute different specific functions. The soul is a super controller as the capacity to function during individual life. Human body consist of sensors which are provider of information/knowledge and mind is well known to decide to execute the information obtained from the body as well as the soul becomes a seeker of ultimate knowledge. The function of the soul, mind, and body are interdependent and can be observed as a Tri-Unity (Fig. 1). The body contains sense organs that sense the anatomical and physiological changes and provide information to maintain the body functions. The mind is a combination of characters, thoughts, and feelings. It is an important element of the body and experiences to think and feel the faculty of consciousness and thought.



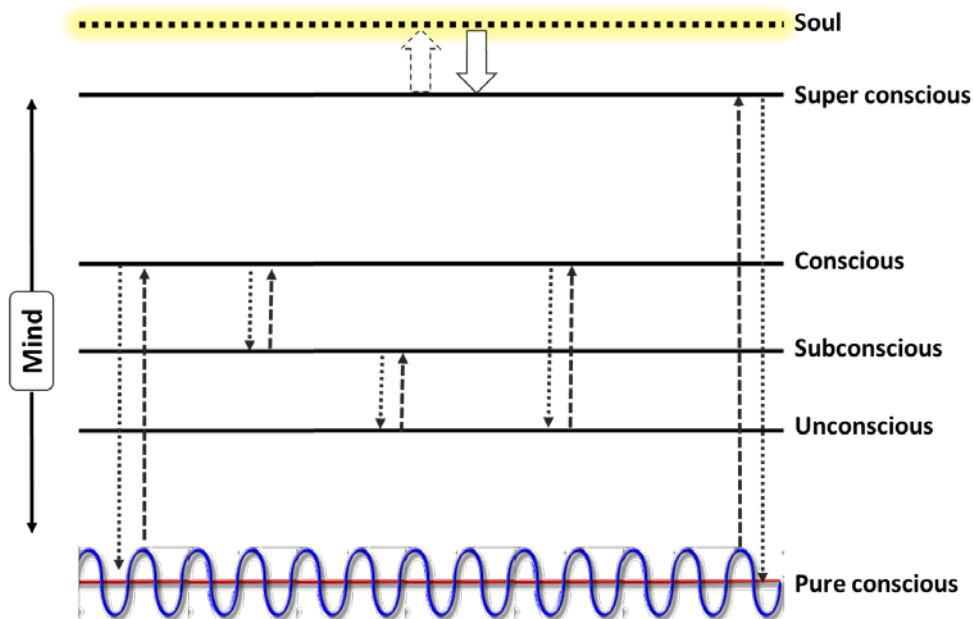
**Fig. 1:** Energy flow diagram of soul, mind, and body- a tri-unity.

## **Human Consciousness**

There are four levels of mind i.e. unconscious, conscious, subconscious, and superconscious. Unconscious means an absence of consciousness or beyond our consciousness awareness (Fig. 2). It is the part of the mind which is inaccessible to the conscious mind but which affects behavior and emotions. The conscious mind is best understood as having an awareness of something. It is problem-oriented and tries to arrive at solutions through reason. The subconscious mind is a repository of memories and repeated thoughts. Its power is habit: we can save time by doing a task by habit rather than re-learning it every time. The superconscious mind is our soul's higher awareness. It is solution-oriented. It possesses the power of intuition. Our inspirations and higher awareness come from superconsciousness (D. V Rai et al., 2019). Consciousness has been defined as an awareness of awareness. The study of consciousness emphasizes certain areas like dreams, creativity, and supernormal experiences. Altered states of consciousness can be induced by overstimulation, sensory deprivation, or by altering body chemistry including waking and sleeping, dreaming, hypnosis, hysteric trance and schizoid, orgiastic trances, aesthetic, drug-induced and mystic states (Avner, 2006).

Introspection and behavior are the two foundational sources of knowledge about the conscious human mind (Bennet, 1962). There are three specific features of conscious experiences, namely private, non-localizable, and intentional. There are two general strategies for explaining their relation. First, mind-body dualism is the view that human beings are composed of both a conscious spirit-mind and a non-conscious physical body (Seth, 2018). Second, mind-body materialism is the view that conscious human minds are the product of physical brain activity, and nothing more. The theories of dualism assume that the human body and spirit interact with each other: signals pass back and forth between the physical brain and spirit-mind. The alternative to mind-body dualism is mind-body materialism, the

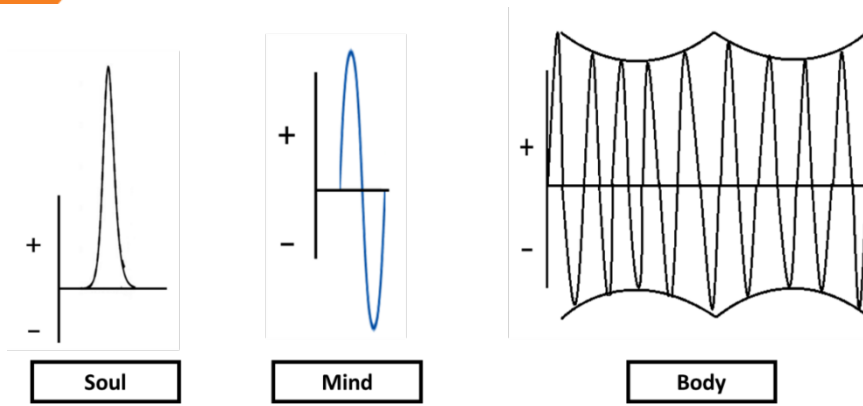
view that conscious minds are the product of physical brain activity, and nothing more (Feyerabend, 2012). Human consciousness emerges on the interface between three components of animal behavior: communication, play, and the use of tools. These three components interact based on anticipatory behavioral control, which is common for all complex forms of animal life (Kotchoubey, 2018).



**Fig. 2:** Level of mind consciousness and relation with soul

### Signal approach in Soul, Mind, and Body

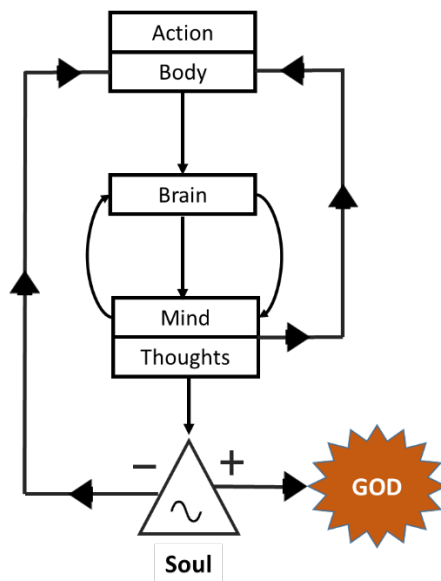
The signal generated in the soul is unidirectional because it is an eternal source of energy consist only positive energy. The signal of mind and body is bidirectional. The human mind consists of both positive and negative energy which is affected by various physical factors including food & nutrition, emotions, thought, states of mind, environment, and body's health. The casual body of humans also produces various positive and negative signals in terms of body actions which is regulated by the mind's conscious level (Fig 3).



**Fig. 3: Types of signals in the soul, mind, and body.**

**The flow of information in Body**

Bi-directional information generated by soul flows to the body and GOD. The body receives information from the soul and senses organs become active structurally and functionally through the brain. The mind empowers the action of the body. The thought process in the mind plays an important role in the overall action of the human body. It gives the flow of information in the body to survive their function otherwise it loses its strength to merge its identity in the soul which leads to information flow in the bi-directional mode (Fig. 4).



**Fig. 4** Flow of information in the body

### **Circuital approach: A control Mechanism**

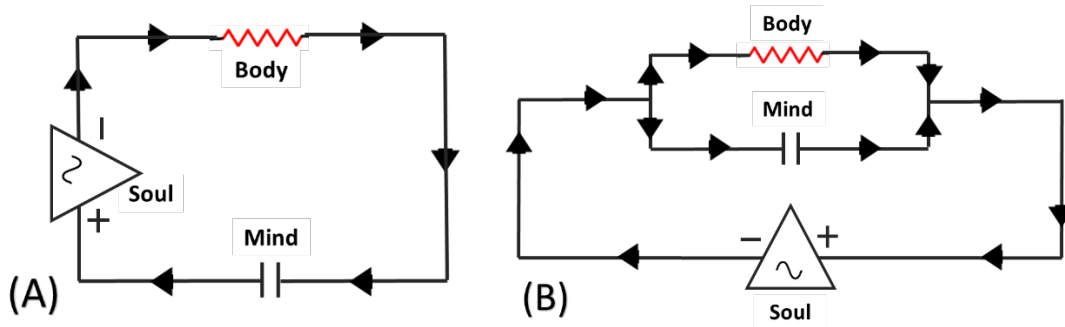
It has been proposed that the human body act as resistance, mind as a capacitor, and the soul is the source of energy. The charges upon the capacitor depending on the frequency of the signal coming from the body which triggers in terms of positive and negative ideas as a signal which further final makes the body in action. The mind behaves like a controller and regulator of emotions, behavior, and action of the body. The everlasting energy of the soul is present in the human body that delivers energy to the body and mind. The soul as an energy source maintain static and dynamic signals in terms of DC and AC. Mind stores information as a capacitor, it processes and regulates the information coming from the body. The body works as a resistance passes, and dissipate the information for the working of the body.

We proposed two pathways to understand the flow of energy in tri-unity i.e. series and parallel pathway. These pathways illustrate how the soul and mind act as dual scientific circuits to control and modulate the process of the human body.

In the series pathway, energy flows from the soul to the body (has high resistance). The level of consciousness of the brain imposes resistance on the flow of energy to the mind. The state of mind is also responsible for the dissipation of energy. In this pathway, the transfer the energy as a result of the system seems to be not ideal to deliver and transmit the information in the body.

In the parallel pathway, the energy of the soul is equally distributed to the mind and body. Here, energy coming from the soul and mind is available for the body functions. We thought that the parallel circuital pathway is most favorable because it has a low resistance path, hence the flow of energy increases in the body for performing the body function in terms of action (Fig. 5).





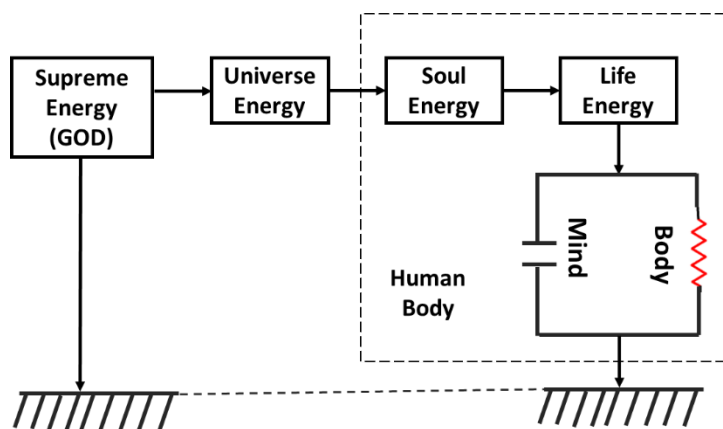
**Fig. 5:** Dual scientific circuits for the conscious control process of the human body. Energy travels in an action of the body in response to mind thought process. (A) Series pathway- the path has a high impedance (B) Parallel pathway- the path has low resistance.

### Energy conservation theory with Karma & Reincarnation

We know that everything in this universe is a form of energy. The atomic energy builds the elements, elements formed the chemicals which undergo several reactions to form numerous chemical products. Energy is required for every chemical reaction. The first law of thermodynamics, also known as the Law of Conservation of Energy, states that energy can neither be created nor destroyed; energy can only be transferred or changed from one form to another. Similarly, the working of the human body is a result of several complex chemical reactions simultaneously. All kind of energies of this universe is a part of nature i.e. GOD/Supreme power (Parmatama). The supreme power is the GOD as also called Parmatama which is integrated energy and power of the universe. The Paramatma (GOD) is the source of all kinds of energies. The soul is a part of this supreme power (Florell & Nihilananda, 1945). Everything of the universe either living or non-living formed by the Parmatama (GOD) (Halligan, 2013). The presence of the soul provides the source of energy to the life processes in the organism including humans.

The mind is also a kind of energy and a source of consciousness, the essence of the human being. The mind is beyond the elements and the senses. It is considered the lord of the senses

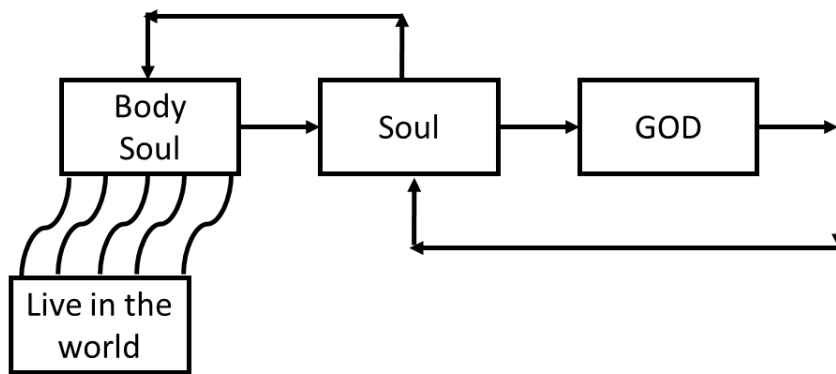
because it directs the senses and keeps them moving among the external objects. It is also a thought process that exchanges energy with the soul to regulate and modulate the functioning of the human body. The soul is a small atomic fragmental part of the supreme spirit i.e. GOD. The soul does not change like the body and does not at any time become old, as the body does. As the body takes six kinds of transformations, the soul is free from these changes (Fig 6). A living organism is metabolically active due to the presence of metabolic energy-a unique kind of energy which is a part of the soul. The scientists can synthesize every component of the cell but after assembling these components, the cell will remain metabolically inactive due to the absence of metabolic energy. If they will use the parts of metabolically active components of the cell then there will be a chance to create a cell that can perform the basic functions.



**Fig. 6:** Transformation of Supreme Energy to Human Body

In a live organism, a kind of energy transformed into another kind of energy due to the metabolism and activity of the organism. For example, the hearing process of humans involves several energy transformations, sound energy to mechanical, mechanical energy to chemical, chemical energy to electrical, electrical energy to the thought process, and so on. After the death of the organism, all metabolic reactions have been stopped but the body of the organism still consists of some kind of energy that finally transformed into another form after

degradation. Finally, we can say that all living and nonliving thing of this universe is a part of supreme power, they are evolved from it and integrate into it after their destruction. The soul is a combination of distinctive energy including metabolic energy transfer from one body to another body after death and birth respectively (Fig. 7). Conservation theory approaches in human life and death as body as mass disappears in various element and energy live in terms of soul. It takes place in the human body as an energy soul to give life to the body. It means soul conserves in the human body.



**Fig. 7:** Karma and Reincarnation

**Life and Death**

Life is a complex series of metabolic events in the presence of soul and death is the liberation of the soul from the body. In other words, we can say that life is a combination of metabolic (life) energy i.e. soul with a casual body (constructed with five great elements).

It has a close relationship and represented in an equation (i) as follows

$$L(B) = U^m D(B) \dots (i)$$

It is also integrated and differentiated as below:

$$\int_0^\infty L(B) \cong U^m \frac{d}{dB} D(B)$$

Where,  $L(B)$  is known as the life of the body, gives an integration of all elements of the body in terms of structure and function to work a specific function in the nature called as life.

$U^m$  is an operator of constant value of life energy to make the nature of life to function, known as universal energy as the power of existence.

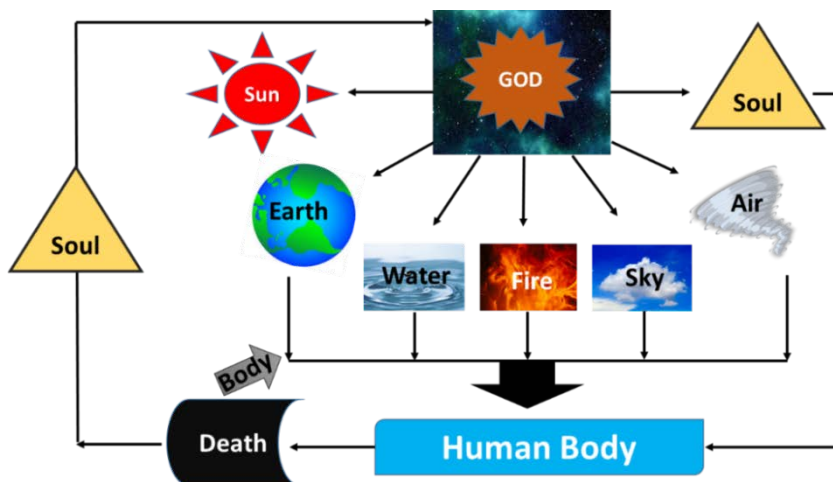
$D(B)$  consists of the derivative as differentiation of body elements to make the nature of life to understand the existence of body, called death.

$L(B)$  is the creation of generation (G) called Brahma,  $U^m$  is operating life constant to survive and remodelling as Vishnu (O) and remodeling as Shiva (D), finally denoted as GOD.

$$GOD = Nature + Universal Energy = \int_0^{\infty} L(B) \rightarrow \frac{d}{dB} L(B) \rightarrow D(B) + U^m$$

### Compositional state of Body

The human body is the sum of the modifications and combinations of the five great elements namely the ether (clear sky), water, fire, the earth, and air. After genesis, the soul enters into the body and controls its metabolic functions. After death, the physical body perishes and its five constituent elements are dissolved as well as the released soul integrated into the GOD (Fig. 8).



**Fig. 8:** Cycle of the human body

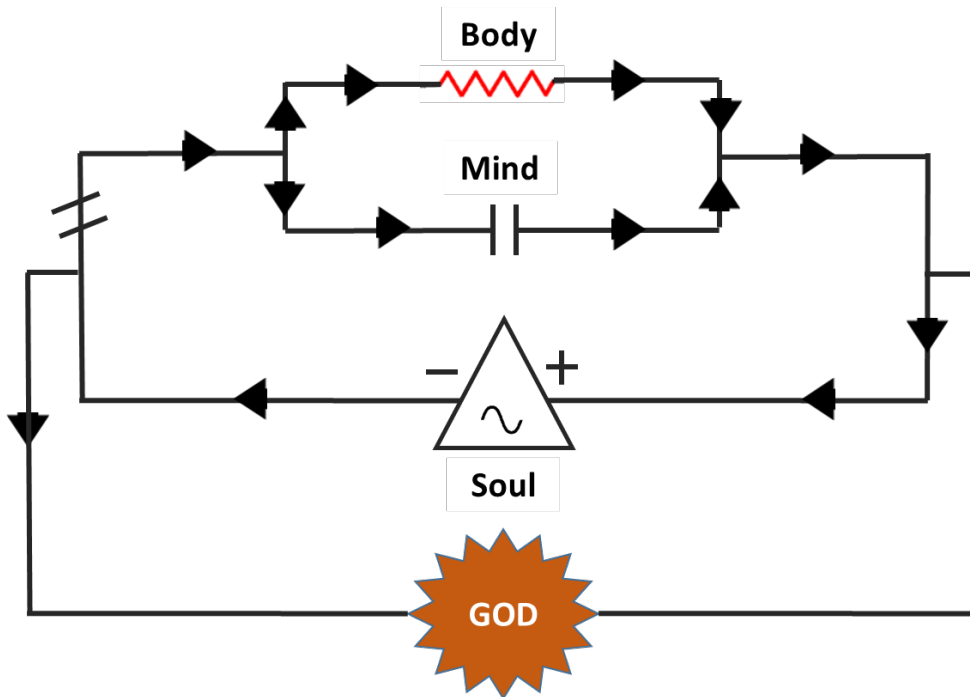
## **Types of Food Energy**

The human body received energies from various sources including foods, mind, soul, yoga, and spirituality. The food is metabolized and release instant energy which is utilized for the different functions of the human body. The types of food (satvik, Rajasic, and Tamsik) can affect the behavior and functions of the body (Shankar et al., 2017). The Satvik is derived from a Sanskrit word “Sattva”. It means one that is pure, natural, energetic, vital, and clean. Thus a Saatvik diet is meant to include foods that comply with its meaning. Satvik food provides calmness, purity, and promotes longevity, intelligence, strength, health, happiness, and delight. Satvik food is light and easy to digest, it brings clarity and perception and has the potential to unfold love and compassion in the individual. Rajasic foods are irritants, stimulants, hot, spicy, and salty. All morish or tempting foods come under the category of rajasic. It makes the mind more agitated and susceptible to temptation. The mind can become more rajasic, which means it tends towards anger, hate, and manipulation. Tamasic foods are heavy, dull, depressing, and induce sleep. It has a sedative effect on the mind and body. Dark meat, lamb, pork, beef, thick cheese, Old and stale food are coming under this category.

## **Futuristic approach**

Spirituality and spiritual communication are manifested in a variety of ways which include astral projection, hallucination, apparitions, auras, fantasies, musical and poetic communion, and psychical perceptions of mathematical objects and illusions. Other manifestations include lucid dreaming, telepathy, clairvoyance, epiphany, and insight/revelation such as are given in the Vedas, Brahmanas, and Upanishads. The soul is ever positive energy and part of the supreme power travels from one organism (yoni) to another organism (yoni) depending upon the karma and sanskar of the human. Fig. 9 has shown under the circuitual model that the soul lives in the human body as a circuit to make it

functional and the body receives energy to perform all physical and physiological activities. When the circuit is broken (short circuit) the soul takes path towards the GOD and makes the circuit flow energy as a soul with GOD. The model supports a Vedic concept of living and dead condition of the human body.



**Fig. 9: Circuital diagram of the flow of energy in body, mind, and soul that merge in GOD.**

**Conclusion**

It is concluded from the present work that the human body receives the messages/information and power of energy via various conscious quantum states as known as mind and soul for functional activities of the body. The soul gives a power of energy while the mind works like a controller/regulator for the body. It is shown that the body works as a feedback circuit in series and parallel model in the functional control. It is suggested that a parallel circuit network derive equal power for the body and mind to maintain their performance. The circuit law follows during life processes while in death soul merges to superpower source as GOD

and further takes recycle of life according to Karma and Sanskar. It is hoped that the present study helps to explain insight energy flow in the body as an electrical circuit model to understand scientifically working of the human body and reincarnation.

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### **References**

- Arievitch, I. (2017). Beyond the brain: An agentic activity perspective on mind, development and learning. In *The Nebraska medical journal*.  
<https://doi.org/10.1007/978-94-6351-104-9>
- Avner, J. R. (2006). Altered states of consciousness. *Pediatrics in Review*.  
<https://doi.org/10.1542/pir.27-9-331>
- Bennet, E. A. (1962). The Conscious Mind. *BMJ*. <https://doi.org/10.1136/bmj.2.5310.969-c>
- Duncan, G. M., & Latta, R. (1899). Leibniz: The Monadology and other Philosophical

Writings. *The Philosophical Review*. <https://doi.org/10.2307/2176953>

Feyerabend, P. K. (2012). Materialism and the mind–body problem. In *Realism, Rationalism and Scientific Method*. <https://doi.org/10.1017/cbo9781139171526.011>

Florell, L., & Nikhilananda, S. (1945). *The Bhagavad Gita*. *Books Abroad*.  
<https://doi.org/10.2307/40085138>

Halligan, F. R. (2013). Bhagavad Gita. In *Encyclopedia of Psychology and Religion*.  
[https://doi.org/10.1007/978-1-4614-6086-2\\_70](https://doi.org/10.1007/978-1-4614-6086-2_70)

Kotchoubey, B. (2018). Human consciousness: Where is it from and what is it for. In *Frontiers in Psychology*. <https://doi.org/10.3389/fpsyg.2018.00567>

Marshall, P. J. (2009). Relating Psychology and Neuroscience: Taking Up the Challenges. *Perspectives on Psychological Science*. <https://doi.org/10.1111/j.1745-6924.2009.01111.x>

Perlovsky, L. I. (2016). Physics of the mind. *Frontiers in Systems Neuroscience*.  
<https://doi.org/10.3389/fnsys.2016.00084>

Rai, D. V., & Kumar, G. (2020). Soul and mind as quantum states of an embedded human system. *International Journal of Scientific and Technology Research*. 8(1), 550-558

Rai, D. V, Dubey, S., & Kumar, G. (2019). Soul and Mind as Functional Control in the Management of Human Body: A Scientific Approach. *Journal of Biological Engineering Research and Review*, 6(1), 37–43.

Seth, A. K. (2018). Consciousness. In *Living Machines: A Handbook of Research in Biomimetic and Biohybrid Systems*.  
<https://doi.org/10.1093/oso/9780199674923.003.0037>





Shankar, N., Manjunath, N., Venugopal, V., Sreedhar, P., Sukanya, R., & Nagendra, H.

(2017). Concept of Holistic Diet–Blending of Yogic Diet and Balanced Diet-A.

*International J. of Healthcare and Biomedical Research*, 5(2), 59–71.

Siegel, D. J. (2007). Reflections on The Mindful Brain. *The Mindful Brain: Reflection and*

*Attunement in the Cultivation of Well-Being*. 17(3): 166–168.