

Framework for Use of Machine Intelligence on Clinical Psychology to Study the effects of Spiritual tools on Human Behavior and Psychic Challenges

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Abstract

Machines are getting intelligent day by day. Almost all the work of inside and out are executed with their help. Science has worked as boon to solve many complex problems but in spite of this, there are certain issues and challenges, which need to be addresses as soon as possible. One of them is psychological problems of human being like Tension, depression, frustration etc. which are now getting common in human personality. Humans species are very complex, Engineers and psychologists have traditionally cooperated in the study and design of interfaces between humans and the machines they wish to control. Today Science are work in understanding the human biological neuron network and understand the human behavior. Artificial Intelligence is an platform which help in understanding the human behavior and biological neuron system of the human. So, this is a paper which deals with today psychic challenges which have threatened the human life. With the help of machine intelligence, we try establish a framework which may work as an expert system and may help the individual to grow one as better human being.

Keywords: Health promotion, High Risk, Sexual behavior, Mental Health problems, Nutrition Disorders, Road Traffic Injuries, Substance Use, Suicides, Young People, Complexities, Stress.

INTRODUCTION

As we all know that the human are very complex in nature . Their biological neuron system are very difficult to understand and their decision making process is different, for solving all these problem related to the human science is working in present time. Artificial intelligence is the one of the best platform to solve these type of the problems.

Also there is some human are suffer from some commonly psychic problem like stress, tension, metal disorder, injuries problem, chronic pain, drugs addiction and many other problems. For providing the solution of all these problem and the

psychic development it is mandatory to understand the complexity in the human behavior. We required mandatory training for interact with the computer database and the human behavior. Too many scientist works for providing the linkage between computer database and the human behavior.

Evolution of Complexities in Human Behavior





Humans are complex in nature. Today people are suffering from various problem (like family problem, business problem).Many Academic and Commercial researchers alike are work together to understand the how human act, memorize and make decision. As a human, we need mandatory training, from firearms training to domestic violence issues, to how to use the latest computer databases. That is all well and good, but one of the things that one performs the most, is TALK TO PEOPLE. We need to talk to people in the manner that we get maximum relevant information about his psychological condition. When we talk to them we have to focus on his body action, talking behavior, mind ability etc. We generally meet with people in the party, public place like(bus stand, shaping mall,) we need to talk to the people talk to the people not just talk about her dressing sense, makeup, monthly income, family bank balance etc we need to talk to the in the way that we get maximum information about his psychological condition. We need to talk to the people who are influenced by the drugs, who are under stress mental problem etc.

The role of cognition in complex human behavior: a conceptualistic perspective

There are many merits of cognitive which are helps in understanding the complexity of human behavior. We can only understand the cognitive on the basis of the pre-analytic philosophical assumption of the scientist. Some issue that separate behavioral position from cognitive cannot be answered by the science.

There is a theory known as Relational Frame Theory which is a behavioral approach to a language and cognition. RFT is not under any disadvantage in bendura of behavior analytic thinking. Also, there is commitment and Acceptance therapy.

The genetic basis of complex human behaviors

As we know in science all research are based upon theoretical and the practical work. Quantitative genetic research is important in the complex behavioral disorders and in the dimension of the personality and cognitive activity. It also provides the conceptual framework and empirical guide for the application of molecular genetics.

Psychic Challenges, Specially in Indian youths

For all the country young people specially in the age of 15-40 are the precious resources who are responsible for the growth and development of the country. But in present time this age group is highly influenced by the psychic problem and the health problem. Nearly 10-30 per cent of young people suffer from health impacting behaviors and conditions that need urgent attention of policy makers and public health professionals. Nutritional disorders (both malnutrition and over-nutrition), tobacco use, harmful alcohol use, other substance use, high risk sexual behaviors, stress, common mental disorders, and injuries (road traffic injuries, suicides, violence of different types) specifically affect this population and have long lasting impact.

Many programmes and health related to the health are launched who are focused on prioritized individual health problems. In India For Healthy life-style and health programmes are central for health of the youth are driven by robust population based studies are required which will also address the growing of NCDs and injuries.⁴.

World Health Organization (WHO) defines 'adolescence' as age spanning 10 to 19 yr, "youth" as those in 15-24 yr age group and these two overlapping age groups as "young people" covering the age



group of 10-24 yr¹. Adults include a broader age range and all those in 20 to 64 yr⁵.

Young people's health is vital and crucial

Most young people are presumed to be healthy but, as per WHO⁸, an estimated 2.6 million young people aged 10 to 24 year die each year and a much greater number of young people suffer from illnesses 'behaviors' which hinder their ability to grow and develop to their full potential. Since from many years a behavioral patterns established during the time period of the development, this pattern indicate the health problem of the upcoming youth in the future. As we show from 1990 to till this many things changes like morality, morbidity and the sense of communication. Now we have shifted the focus towards the health and safety scheme. We have to understand the problems of the youth and decide the suitable mechanism for providing the solution for these problems.

Common mental disorders

In present time 20% young people are suffer from the mental problem -such as substance abuse, suicidal behaviors, eating disorder, depression and other.8A metaanalysis of five psychiatric yielded epidemiological studies estimated prevalence of mental morbidity including 16 mental and behavioral disorders (classified into eight groups of organic psychosis, schizophrenia, manic affective psychosis, manic depression, endogenous depression, mental retardation, epilepsy, phobia, generalized anxiety, neurotic depression, obsession and compulsion, hysteria, alcohol/drug addiction, somatisation, personality disorders and behavioral/emotional disorders) of 22.2 per 1000 population among 15 to 24 years³⁷.

Data available from community based studies on common mental disorders in India depict a high prevalence among the young people, but comparisons and extrapolations need to be cautiously made due to variations across studies. The prevalence of overall psychiatry morbidity (depression, conduct disorder, anxiety, panic disorder) among adolescents has varied from 12 to 16.5 per cent^{38,39}. Pillai et.al observed a low prevalence of 1.8 per cent of DSM-IV disorders among adolescents aged 12-16 yr which was attributed to methodological factors and the presence of protective factors⁴⁰. A six years follow up study in Chandigarh showed the incidence rate of psychiatric disorder to be 0.18 per cent per year among the 10-17 yr old adolescents⁴¹. Among the few specific common mental disorders, the prevalence of depression has varied from 0.1 to 18.5 cent^{38,39,42,43,44,45}, conduct disorders from 0.2 to 9.2 per cent^{48,49,43}, and anxiety from 0.1 to 24.4 per cent^{38,39,40,43,45,46} across different studies. Two studies showed prevalence of severe and extreme grade of depression in 11.2 per cent of the school dropouts and 3 per cent among the school going adolescents aged 13 to 19 yr and 18.4 per cent among the 9th standard Beck's students using depression Inventory^{42,44}. For responding to a problem and promoting mental health we require counseling services in communities and adolescent-friendly. 47.

Possible Efforts to meet these Challenges-

Present time we are trying to develop the psychic policies, doctors, college student, employ, business owners. Today we see that in our surrounding that some people want psychic knowledge for personal growth and psychic development. We are now at a time where this is changing.

As we know today some people suffer from various economic challenges, one



will have to change his job and look for other job, one will start the new business and loss the old business and previous choice. Some of the decision leads to better life and some are lead to bed life.

Economic challenges are also the leading cause of stress in relationships-Economic are also lead in miss communication in the various relation-brother relation, love relation and friend relation. Psychic awareness and personal growth is the one of the best method to make all these relation suitable.

The Benefits of Psychic Awareness

Psychic perception helps to sense the true motivation and feelings of other people. Psychic perception play important role in job and job interview. With the help of the psychic awareness we can guess how long a business take time to get successful and how profit or loss we get in that time period so that we can take any commitments for the business.

When we talk about the psychic awareness, we have to proper knowledge about the condition/situation then we start motivational speech in front of the other person.

We are talking about a spiritual connection that goes beyond the limits of the physical universe. Information of the circumstance a thousand miles away as it is about a situation/person in the same location based upon psychic information should be accurate. We have to talk from our natural innate and access all human ability at the time of talking, but never talk those things who harm the people.

In present time, many people already use psychic perception. They call it hunch intuition, gut feelings, but all these feelings are same. "Often you have to rely on intuition."-Bill Gates Founder, Microsoft For Example when a person which is fit when gets on the phone with someone who is a thousand miles away, without any previous knowledge on the basis of the information provided by the person on the phone he is able to see what specific challenges the client is facing. He provide the best solution having easy route to follow the mechanism and condition to get the best result.

True Psychic Development

Psychic development is to learn new idea, technique and developed new things and devices that are helpful for treatment of the psychic problems. Development also related to the promotion of the psychic awareness and solution of the psychic problems. For psychic development we need special training.

In Psychic Development there are many limitations that are come from hidden effects of past trauma, emotional reaction, life-long belief. There are also some other external factor that are results in the limitation of the psychic Development they are resulting from the controlling grips others have on us, and the other layer of programming we have picked up from parents, our educational system and our media .we have to learned positive thinking from all off these things not the negative things.

So, as we can imagine, as we peel these limiting layers off, not only do we get the benefits of psychic awareness, but we gain better control of our personal space, which is another critical skill.

Today from early morning to the evening we are under stressed about money or relationship around us. These things walking around with a pit in our stomach .we have to take proper training to avoid all off these emotional things and shift our



emotion and thoughts rather than reacting on these thoughts and emotion. For example if we go for an interview we have to control our emotion like fear over confidence, neediness and panic. A successful approach for the psychic development is to give all the things and tools and make the connection between them.

Now is the time to prepare, not later when it may be too late

Today we have to take a step for the psychic and personal growth potential. If we know about our strength and weakness then it is to challenge to any problem/condition, for this we need some psychic Development of the human and develop the tool for facing the various problems.

There are many methods for the psychic development some off are readings the books, ebooks and DVDs. DVDs are the great introduction for the people who already suffer from problem from eye and ear and also have some psychic problem.

This is the same training which increases the abilities and can convert average person, and with this training, one may be able to reach the point of providing services as a professional healer to police, CEOs, and others, which I have been doing for many years now.

Need of Psychic Awareness

- Getting control on the emotion, healing the potential, and improving the relationship.
- Powerful toll to uncover the hidden talent of the person and know about your strength and weakness.
- Focusing the mind on the aim of the life.

Machine Intelligence using Different Sensor based BioFeedback and Neuro Feedback Devices When we shake our hand with other person first we lift our hand and then shake the hand, all these actions are controlled by you. But functions like skin temperature, blood pressure, heart rate are controlled by nervous system. Heart beat, skin temperature are not increase or decrease but all these function but all these function depend upon the environment, condition/situation or when we nervous or excited.

Biofeedback therapy is the one of the most important and useful technique to control the function including migraine headaches, high blood pressure, incontinence and chronic pain.

Functioning of Biofeedback Therapy³⁵

Today science are not exactly sure how to use biofeedback theory but they know that biofeedback promotes relaxation, which provide the relieve a number of conditions that are related to stress. During time period of biofeedback finger sensor are used and some electrodes are also used which is attached to our various body part. These sensor/electrodes send which are displayed in the form of light wave, sound or image that represents the temperature ,muscle activity. skin sweating or blood rate.

When we are under stress function of our body (like heart rate, blood pressure rises, breathing quickens, muscle tighten) changes. Change in the function of the body can be seen on the monitor of the computer system. In today time various computer program that connect to sensor to your own computer. A therapist helps in practice the relaxation exercises, which control the different body function.

Several different relaxation exercises are used in biofeedback therapy, including:

- Deep breath in and out.
- First tightening and then relaxing the various muscle or vice -versa.



- Concentrating mind on a specific image(such as the image of god, flame of candle, on a particular color) to make your mind relaxed and free.
- Let it go negative thoughts from mind.
- By using biofeedback process. In biofeedback process various instrument are used to detect various symptoms and provide the feedback to the expert of human psychological.
- Biofeedback may helpful for the improvement in human health, human behavior and thoughts. Some challenges of human psychological problem are handled without any equipment.
- Biofeedback has been found to be effective for the treatment of headaches and migraines.^{15,16}

Definition of Bio-Feedback

Three professional biofeedback organizations, the Association for Applied Psychophysiology and Biofeedback (AAPB), Biofeedback Certification International Alliance (BCIA), and the International Society for Neuro feedback and Research (ISNR), arrived at a consensus definition of biofeedback in 2008:

"is a process that enables an individual to learn how to change physiological activity for the purposes of improving health and performance. Precise instruments measure physiological activity such as brainwaves, heart function, breathing, muscle activity, and skin temperature. These instruments and accurately rapidly 'feed information to the user. The presentation of this information—often in conjunction with changes in thinking, emotions, and behavior—supports desired physiological changes. Over time, these changes can endure without continued use of an instrument.[13],

Sensor modalities



Electromyograph

The "Muscle Whistler", shown here with surface EMG electrodes, was an early biofeedback device developed by Dr. Harry Garland and Dr. Roger Melen in 1971. [17][18]. An electromyography detect muscle action with help of surface electrodes. Surface electromyograph use one or more electrodes that are placed with six inches gape over the target muscle and measured in microvolts. [19][20].

Feedback Thermometer

feedback thermometer use a temperature-sensitive resistor that is attached to finger or toe to detect the skin temperature and measured the temperature Fahrenheit or Celsius. Feedback thermometer detect temperature which reflects arteriole diameter. Two different mechanisms are produce which are handwarming and hand-cooling produce by different mechanism and their regulation different skills. [22]. For Hand involves warming mechanism arteriole vasoconstriction is required which is produced by beta-2 adrenergic hormonal mechanism. [23] Hand-cooling mechanism is produced with the help of the arteriole vasoconstriction which produced increased firing of sympathetic- fibers. [24] When any person is suffering from the problem of chronic pain, edema etc then biofeedback therapist uses this device. [21]



Electrodermograph

An electrodermograph use electrodes to measure skin electrical activity directly (skin conductance and skin potential) and indirectly (skin resistance), electrodes placed over the digits or hand and wrist. Electrodermograph sense the electric current which flow due to increase in conductivity of the skin which increases due to increase in sweat gland activity due to stimuli, arousal and worry. [22]

Electroencephalograph

An electroencephalograph measures the condition of the brain neuron which are located over the human cortex. Electroencephalograph measures the amplitude and the relative power of various wave form at each site.it also measures the degree to which extent each cortical site fires in conjunction with other. [25]

Photoplethysmograph

A photoplethysmograph uses the photoplethysmographic sensor which is attached to our finger with the help of Velcro band and measures the blood flow. A beam of infrared light is used which is transmitted through infra red light source or reflected off the tissue, detect by a phototransistor. When the blood flow is high then less amount of light are absorbed or vice-versa.^[26]

Electrocardiogram

Electrocardiogramare used to measure the electrical activity of heart and also measure theinterbeatinterval. The PPG method is less accurate as compared to the Electrocardiogram (ECG). [26][28] To measure the heart activity electrodes are placed on the legs wrist or torso. To determine the heart rate at that moment interbeat interval is divided in to 60 seconds. The statistical differences of that interbeat interval is called heart rate variability. [27]



Fig: An emWave2 photoplethysmograph for monitoring heart rate variability, Stone, computer-based photoplethysmograph with ear sensor

Pneumograph-A pneumograph are used to determine the condition of the chest and abdomen.it use a flexiable sensor which are placed around the chest .abdomen. It provides the feedback about contraction/expansion of the chest and abdomen, it also measures respiration rate. [29] Dysfunctional breathing patterns include clavicular breathing (breathing that primarily relies on the external intercostals and the accessory muscles of respiration to inflate the lungs), reverse breathing (breathing where the abdomen expands during exhalation and contracts during inhalation), and thoracic breathing (shallow breathing that primarily relies on the external intercostals to inflate the lungs). Dysfunctional breathing behaviors include apnea (suspension of breathing), gasping, sighing, and wheezing. [30]

Capnometer-A capnometerare used to measure the partial pressure of the carbon dioxide in the environment that is exhaled through nostril in to latex tube. The average value of end-tidal CO2 for a resting adult is 5% (36 Torr or 4.8 kPa). A capnometer is a sensitive index of the quality of patient breathing. Shallow, rapid, and effortful breathing lowers CO2, while deep, slow, effortless breathing increases it.^[30]

Rheoencephalograph-

Rhemoencephalographyuse the infrared rays for performing the functional infrared



imaging techineque. It reflected the various colors as an feedback result, on the basis of difference in color relative amount of unoxygenated and oxygenated blood is calculated. [31]

Pressure-Pressure is measure on the basis of the condition/situation and the ability to handle any situation/condition (experience). Ability to handle the pressure also shows the physical and mental fitness of the patient. [33]

Machine Intelligence and Consciousness

Machines bearing intelligence and hence displaying or simulating consciousness is very much in talk now a days. The proponents and opponents of this idea have been proposing their opinions. The very tool mathematics could serve as a tool to embed Human borne Intelligence into machines. But as Godel has proved that this embedding is incomplete and shall always remain incomplete (in his famous Incompleteness theorem). So we could have never a point where a machine would completely simulated intelligence. This is where the difference between Machine and intelligence arises and this implies the difference between machine consciousness and also.(bySushant Sharma)

However, we have to see if it is possible to separate consciousness from intelligence or if these two are actually alike. According to Vedic Scriptures though intelligence is a quality of consciousness but still it is matter- subtle matter. That also brings us to a point to discuss about matter (Gross matter i.e. machines) and subtle matter (Mind, Intelligence and false and also about non-matter. ego) Consciousness according to scriptures is a quality of soul or in fact other synonym of soul. This consciousness bears intelligence which in turn is not Non-matter and this bonding between consciousness intelligence persists only as long as the conscious soul dwells in the world of Matter.

Wisdom of the Human Body

Science is making models, mathematical constructs. "The science doesn't try to explain, and they hardly even try to interpret; they mainly make models. By a model is meant a mathematical construct which, with the addition of certain verbal interpretations, observed phenomena. describes justification of such a mathematical construct is solely and precisely that is expected to work." First expressed by john von Neumann (1903-1957), an American mathematician and computer scientist of Hungary. Medical science is no exception. However the mathematical model of Human Physiology that is conventionally applied in medical science is limited and in many cases narrow paradigm sometimes leading to ineffective clinical treatment. To improve human healthcare, we need concrete model and management paradigm.(by Belle MonappaHegde)

SPIRITUAL TOOLS TO MEET PSYCHIC CHALLENGES PROPOSED BY SCIENTIFIC SPIRITUALITYDOCTRIN

The Scientific Spirituality-Scientific Spirituality is the basis of the Future. (by AWGP)

It is the union of the science and spirituality, and also it is the study of consciousness. There are two stream of knowledge at superficial level i.e. science and spirituality, both contradict and nullifying each other's principle.

Science is based on the perceivable evidence-driven reasoning and logic, which proves that we can get the truth only with help of the investigation. Spirituality also help in recognizing that truth lies within in the form of immortal soul. we can also say that in other words spirituality is the study of the consciousness ,body ,mind and spirit relationship. Initially devotion and faith is different but it leads ultimate unity of all beings.



If we understand true meaning of science without any barrier and restriction then there is no difficulty to understand and realization that spirituality.

As we all know that the mouth is the most important part of the body, In Ayurveda it is consider as the locos of the agni cakra.it is the subtle centre which maintain the energy and metabolic of the body. Energy required for various process described their action of field from mouth to stomach and in other body parts. We all know the mechanical work of the mouth but most important role is linking with vocal cord which helps in singing and speaking. The power of speech the most beautiful gift, but it depend upon the people ability and understanding power.

Their different function performed by the agni cakra at different level- Initial phase of the digestive mechanism at gross level, voice is produce at the subtle level which help in speaking and singing, divine flow of the currents of labada in consciousness produce at astral level.

Function at the astra level is experienced by the japa yoga. with respect to the divine ,mouth inlet is the havankunda. Sublime power of mouth decides the enormous impact of the japa.

When we speak we have to take care because the word which we speak are affect relationship. and we all know that the word are not only the information carrier they also represents the feelings of the person .For getting the the the speaker have to endowed the current of consciousness in his speech flow.

Vaidikamantras is founded on the science of the conscious currents of the labada inherent in the musical sound generated by a conscious being. Gayantri Mantra is regarded as supreme of all the vaidika mantras.It is the universal prayer of arousal and illumination of righteous intellect in all.

The subtle of the sonic pattern generate specific vibration in the gross as well as the casual bodies of the sadhaka and in his surroundings. Vibrations empowered by the sadhaka's purified inner self conjucate with the extrasensory impulse of the supreme consciousness. the single lettered mantras like hrim, hum, ai, fat etc are basic importance in science because of the mechanical as well as the conscious effect of their sounds.

For efficient and various use of the mantras sonic vibration the different techniques used in japa are practice like intensities, pitches and chanting under rhythms. The sound of mantra is started silently and increased gradually.

The consistent japa of the mantras has two effect: internally, it stimulate the extrasensory energy centers and subtle endocrine gland inside the body and externally, it generates vibration in the surrounding space. The impact of these effect amplifies by continuous repletion of such rhythmic enunciation at a constant pace. There are many experiment also performed in the lab to show the physical strength of the rhythmic sound.

Internal effect of japa can be illustrated by analogy with the functioning of a keyboard key. when we simply press the key of the keyboard, its impact is result on the computer screen corresponding to the functioning of that key. At subtle energy center ,the vibration produce by vocal make special impression on it .The daily repeated practice of the same japa helps in gaining enormous potential gain during different spiritual experiments of mantravijana. The sonic waves of java create similar effects as the friction produce various effects in the thermal electrical.



Today energy helps in designing the amazing devices ranging from metal cutting to surgery of body parts, sattelites , aeroplane etc. The supernatural effects of the supersonic waves generated by the mantras are remarkable and still we are search for more information .

In terms of the science, sound is produced by the vibration in any medium. Today modern psychologists gone ahead by accepting the latent power of voice that affects the minds of the listeners and speaker. These are the only crude and restricted manifestations of the power of labda. The dimensions of labda expand far beyond the physical, inner sentimental level and psychological level.

Today as we can see that the whole universe filled with electromagnetic and the conscious energy waves. Omnipresent waves helps in flowing the thoughts and the sentiments. The physical sound wave are produced by japa along with this a sublime energy wave is produced and spread in the cosmos and reach back to the sadhaka after being electrified by the subtle wave.

During the cosmic journey of the wave, the wave of the sentiments and thought make human strong in the same field and due to periodic property of the wave they are reach back to their origin. When one cycle is complete it amplifies the intensity of the associated effects.

Subtle wave produce by the mantra japa are more faster and powerful wave then the thought wave of the sadhaka. If subtle wave produce repeatedly, then in the sadhaka an divine ambience and serene are created within and the around by the superonic wave which influence the various waves of thoughts and sentiments and collision may takes place between them.

We know that the magnetic field of same atoms give rise to their dense collection. Large collection of these atoms results in the formation of the mine, which gets more richer by augmentation power of attraction by successive increase in its repository of same particles. Domain of the subtle sonic wave become more powerful when number of person increases who perform collective japa.

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गायत्री मंत्र के जाप से 10 प्रकार के स्वास्थ्य-लाभ गायत्री मंत्र- ॐ भूर्सुव स्वः। तत् सवितुर्वरेण्यं। भर्गो देवस्य धीमिह। धियो यो नः प्रचोदयात् ॥ है जो सीधे आपके शारीरिक और मानसिक स्वास्थ्य को प्रभावित करता है। इसकी महत्ता ॐ के बराबर मानी जाती है। गायत्री मंत्र के जाप से आपके स्वास्थ्य को कई प्रकार से लाभ पहुँचता है- 1 मन को शांत करता है।। 2 प्रतिरक्षा क्षमता को बढ़ाता है।। 3 पढ़ने और एकाग्रता की शक्ति को उन्नत करता है।। 4 हृदय को स्वस्थ रखने में मदद करता है।। 5 तंत्रिकाओं (nerve) के कार्य करने वी क्षमता उन्नत होती है। 6 तनाव के कारण हुए क्षति को नष्ट करने में मदद करता है।। 7 मन को शक्ति प्रतान करता है और अवसाद से दूर रखता है।। 8 त्वचा को निखारने में मदद करता है।।
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TO HEAL YOURSELF BY THOUGHT ALONE

Today science is try to explore in every field. Scientists are and try to minimize the use of the drugs and the surgery. Thought in alone about yourself and memorize the positive thought is one of the best method to regain the energy and prepare for the upcoming problem.³⁶.

Energy Healing Techniques to Heal Your Body, Mind and Soul-

- Acupuncture. Acupuncture is an ancient energy healing art that is used for stimulating the flow of energy of the body back into a more balanced state. ...
- Crystal Healing.
- Quantum Healing. ...
- Reiki.

OUR PROPOSED FRAMEWORK

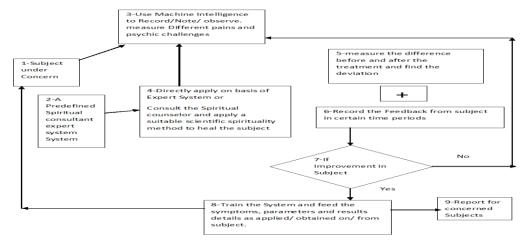
We assume that

Living Being =[Genome (Physical/material Body)+ Mind, Intelligence & False Ego(Subtle Matter) + Spiriton(Spiritual Life Particle)] (by Dr. T.D. Singh, ISCON)Here the Spiriton is the important component which decides the spiritual quotient of one. It is also denoted



as the aura. It is responsible for the spiritual health of individual. Our proposed idea is to measure the different clinic psychology parameters/ components

responsible to affect the spiritons of physical body by above mentioned available instruments and try to heal self by different spiritual tools.



4-identify the symptoms with help of some spiritual counselor/ healer/ spiritual expert System
5-Use of Biofeedback/ Neuro feedback based Al machines

NOVELTY IN THE PRESENTED PAPER

The Authors of the papers are from different disciplines and background even they are together for a common interest and that is to make human consciousness uplifted. There are many pros and cons in philosophy but it's interesting to see that the complex concept like Life, personality, human behavior and spiritual growth is being defined mathematically and trying to be quantified. Present time, the psychic challenges are the biggest crisis. Authors have tried to present a quantitative approach for a subjective concept. The mathematical solutions for the human life related issues, spiritual well being has been addressed and will lead to new direction of the study of human intelligence. Use of Effect of Spiritual Practices and Bio statistical Analysis Shows Significant **Improvement** Many Physical, in Physiological & Psychological Parameters.

COMPLEXITY ANALYSIS

The human life, human mind along with human nature, all are very complex in nature. The calculated attributes are subjective and will vary from individual to other list of do's and don'ts may be long and unending so a matter to explore. They are varying and their priority may vary. Also it is so complex phenomena that can be treated as NP complete problem. Still the run time complexity will be finite but very high as all possible combinations of human traits and challenges will be a very large in number.

RECOMMENDATIONS

The given method is the totally new technology to define the human life span, and human complexity, highs and lows of human life, decision making process of human etc. As we all know that one wrong decision moves the human under stress, tension and other mental disorder. The result of this technology helps in checking spirituality and decides one's personality and consequently take the important decisions in different circumstances.

This is one of the main reasons that it is so important to continually update our skills relating to interview and interrogation,



read the latest information on detecting deception studies, knows to deal with persons of psychosomatic disorders, associate with professional organizations on and off-line, read professional trade magazines, and attend formal training courses and academic conferences. Humans are complex. We need keep learning more and more about them.

LIMITATIONS

The framework may work for short no. of parameters, say 30. We have to continuously try for exploration and exploitation for important components contributing in these phenomena. Rest of time choose greedily among traits using maxjP (i,j). Only global best individual will be allowed to lead at end of each iteration. The traits may be varying. Their priorities may vary so in depth study and defining characteristics of complete human spiritual traits is important.

FUTURE SCOPE AND POSSIBLE APPLICATIONS

One may work on identification of complete parameters and their priorities. Also their correct measurement and representation is important. The more logistic model and simulation structure may be designed and an expert system may be formulated to represent the whole concept livelier.

May be used to identify good coworker, honest employee, life partner or friend for individual. For social reformation, identification of individual characteristics for various decisions making, it may prove useful. The scientific approach to identify the parametric spiritual traits and to define personality and behavior may be used in different ways in almost all walks of life. The results may be obtained through questionnaire and analyzed.

CONCLUSION

To communicate with the database of the computer system we need mandatory training, from firearms training to domestic violence issues. In present time we need the training on how TO TALK TO PEOPLE so that we can get about maximum information about his psychological condition, mental condition. Generally we meet with the people at office, school, college, public place etc and we start judge the people on the basis of their dressing sense bank balance, family background etc we need to training how we get the maximum information from the people by simple looking their hand moment ,talking sense ,eye contact ,body moment at the time of the talking and many other factors which helpful for ourselves. We need to talk to the people who are under the stress, who are under influence of drugs, who have elevated level of anger, memory issue etc.

The proposed paper is a successful mathematical framework to calculate the human personal spiritual factor and direct the individual for more better and noble life.

The present work is highlights the problems of present time that are face by the human specially in the youth because they are highly influenced by the drugs ,stress, elevated level of the anger , memory problems, injury problem all these problems increase the death rate of the human per day.

Today we need a strong public health community to identify, prepare, integrate and implement the activities that are helpful for today life. We need to launch the various program that are promote the health and healthy life style and establish the mechanism for delivery of population-based intervention along with measuring its impact. We need trained employ that approach to the person which is affected



from the psychological problem and provide them solution.

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REFERENCES

L.I.E.S. Linguistic Interrogation Expert Services- LIES, LLC. – Blog on Complexities of Human Behavior

- 1. Hayes SC¹, Wilson KG, The role of cognition in complex human behavior: a conceptualistic perspective. J BehavTherExp Psychiatry. 1995 Sep;26(3):241-8.
- 2. R Plomin,MJ Owen,P McGuffin, The genetic basis of complex human behaviors Science 17 Jun 1994:Vol. 264, Issue 5166, pp. 1733-1739DOI: 10.1126/science.8209254
 Singh Sunitha and Gopalkrishna Gururaj, Health behaviors& problems among young people in India: Cause for concern & call for action IJMR,Indian J Med Res. 2014 Aug; 140(2): 185–208.
- 3. World Health Organization. The World Health Report 1998. Life in the 21st Century. A vision for all. Report of the Director-General. Chapter 3. Geneva: World Health Organization; 1998. [accessed on January 8, 2013]. Health across the life span; pp. 66–111. Available from: http://www.who.int/whr/1998/en/whr98_en.pdf.

- 4. Adolescent health and development. WHO Regional office for South-East Asia. [accessed on January 8, 2013]. Available from: http://www.searo.who.int/entity/child_adolescent/topics/adolescent_health/en/index.html
 https://www.lifeleap.org/psychic-awareness/
- 5. World Health Organization; 2011. [accessed on June 8, 2013]. Young people: health risks and solutions. Fact sheet no. 345. Available from: http://www.who.int/mediacentre/factsh eets/fs345/en/index.html.
- 6. Adolescent Health Services: Missing Opportunities. [accessed on January 8, 2013]. Available from: http://books.nap.edu/openbook.php?rec ord_id=12063&page=1.
- 7. Collins PY, Insel TR, Chockalingam A, Daar A, Maddox YT. Grand challenges in global mental health: integration in research, policy, and practice. PLoS Med. 2013;10:e1001434. [PMC free article][PubMed]
- 8. Gururaj G. Injury prevention and care: an important public health agenda for health, survival and safety of children. Indian J Pediatr.2013;80(Suppl 1):S100–8. [PubMed]
- 9. Durand, Vincent Mark; Barlow, David (2009). Abnormal psychology: an integrative approach. Belmont, CA: Wadsworth Cengage Learning. pp. 331.ISBN 0-495-09556-7.
- 10. What is Biofeedback". (See bottom of page.). Association for Applied Psychophysiology and Biofeedback. 18 May 2008. Retrieved 2015-03-05.
- 11. deCharms RC, Maeda F, Glover GH, et al. (December 2005). "Control over brain activation and pain learned by using real-time functional MRI". Proceedings of the National Academy of Sciences of the United States of America.102 (51): 18626–31. Bibcode:2005PNAS..10218626D.



- 12. Nestoriuc Y, Martin A (March 2007). "Efficacy of biofeedback for migraine: a meta-analysis". Pain.128 (1–2): 111–27. PMID 17084028.doi:10.1016/j.pain.20 06.09.007.
- 13. Nestoriuc Y, Martin A, Rief W, Andrasik F (September 2008).

 "Biofeedback treatment for headache disorders: a comprehensive efficacy review". ApplPsychophysiol Biofeedback.33 (3): 125–40. PMID 18726688.doi:10.1007/s10484-008-9060-3.
- 14. Garland, Harry; Melen, Roger (1971). "Build the Muscle Whistler". Popular Electronics.35 (5): 60–62.
- 15. Forward, Edna (April 1972). "Patient Evaluation with an Audio Electromyogram Monitor: "The Muscle Whistler"". Physical Therapy.52 (4): 402–403.
- Tassinary, L. G., Cacioppo, J. T., &Vanman, E. J. (2007). The skeletomotor system: Surface electromyography. In J. T. Cacioppo, L. G. Tassinary, & G. G. Berntson, (Eds.).Handbook of psychophysiology (3rd ed.). New York: Cambridge University Press.
- 17. Florimond, V. (2009).Basics of surface electromyography applied to physical rehabilitation and biomechanics. Montreal: Thought Technology Ltd.
- 18. Yucha, C; Montgomery D (2008). Evidence-based practice in biofeedback and neurofeedback
- 19. Andreassi, J. L. (2007). Psychophysiology: Human behavior and physiological response (5th ed.). Hillsdale, NJ: Lawrence Erlbaum and Associates, Inc.
- 20. Cohen R. A.; Coffman J. D. (1981). "Beta-adrenergic vasodilator mechanism in the finger". Circulation

- Research.1196– 1201.doi:10.1161/01.res.49.5.1196
- 21. Freedman R. R.; Sabharwal S. C.; Ianni P.; Desai N.; Wenig P.; Mayes M. (1988). "Nonneural beta-adrenergic vasodilating mechanism in temperature biofeedback".Psychosomatic Medicine.50 (4): 394–401. PMID 2842815.doi:10.1097/00006842 -198807000-00007
- 22. Kropotov, J. D. (2009). Quantitative EEG, event-related potentials and neurotherapy. San Diego, CA: Academic Press.
- 23. Combatalade, D. (2009). Basics of heart rate variability applied to psychophysiology. Montreal, Canada: Thought Technology Ltd.
- 24. Berntson, G. G., Quigley, K. S., & Lozano, D. (2007). Cardiovascular psychophysiology.In J. T. Cacioppo, L. G. Tassinary, & G. G. Berntson, (Eds.).Handbook of psychophysiology (3rd ed.). New York: Cambridge University Press.
- 25. Task Force of the European Society of Cardiology and the North American Society of Pacing and Electrophysiology (1996). "Heart rate variability: Standards of measurement, physiological interpretation, and clinical use". Circulation.1043–1065.doi:10.1161/01.cir.93.5.1043
- 26. Stern, R. M., Ray, W. J., & Quigley, K. S. (2001). Psychophysiological recording (2nd ed.). New York: Oxford University Press.
- 27. Peper, E., Tylova, H., Gibney, K. H., Harvey, R., &Combatalade, D. (2008). Biofeedback mastery: An experiential teaching and self-training manual. Wheat Ridge, CO: Association for Applied Psychophysiology and Biofeedback.
- 28. Toomim, H., & Carmen, J. (2009). Homoencephalography: Photon-based blood flow neurofeedback. In T. H. Budzynski, H. K. Budzynski, J. R. Evans, & A. Abarbanel (Eds.) (2009).



- Introduction to quantitative EEG and neurofeedback (2nd ed.). Burlington, MA: Academic Press.
- 29. Chattanooga Stabilizer Pressure Biofeeedback
- 30. pab®, Pressure Air Biofeedback[34]BiofeedbackFrom Wikipedia, the free encyclopedia
- 31. Overview of Biofeedbackhttp://www.webmd.com/a-to-z-guides/biofeedback-therapy-uses-benefits#1 byDr. Joe Dispenza
- 32. Reddy VM, Chandrashekar CR. Prevalence of mental and behavioural disorders in India: a meta-analysis. Indian J Psychiatry.1998;40:149–57. [PMC free article][PubMed]
- 33. Srinath S, Girimaji SC, Gururaj G, Seshadri S, Subbakrishna DK, Bhola P, et al. Epidemiological study of child & adolescent psychiatric disorders in urban & rural areas of Bangalore, India. Indian J Med Res. 2005;122:67–79. [PubMed]
- 34. Anita S, Gaur DR, Vohra AK, Subash S, Khurana H. Prevalence of psychiatric morbidity among 6 to 14 years old children. Indian J Community Med. 2003;28:133–7.
- 35. Pillai A, Patel V, Cardozo P, Goodman R, Weiss HA, Andrew G. Nontraditional lifestyles and prevalence of mental disorders in adolescents in Goa, India. Br J Psychiatry.2008;192:45–51. [PubMed]

- 36. Malhotra S, Kohli A, Kapoor M, Pradhan B. Incidence of childhood psychiatric disorders in India. Indian J Psychiatry.2009;51:101–7. [PMC free article][PubMed]
- 37. Nair MK, Paul MK, John R. Prevalence of depression among adolescents. Indian J Pediatr.2004;71:523–4. [PubMed]
- 38. Ahmad A, Khalique N, Khan Z, Amir A. Prevalence of psychosocial problems among school going male adolescents. Indian J Community Med. 2007;32:219.
- 39. Bansal V, Goyal S, Srivastava K. Study of prevalence of depression in adolescent students of a public school. Ind Psychiatry J. 2009;18:43–6. [PMC free article][PubMed]
- 40. Sahoo S, Khess CR. Prevalence of depression, anxiety, and stress among young male adults in India: a dimensional and categorical diagnosesbased study. J NervMent Dis. 2010;198:901–4. [PubMed]
- 41. Deb S, Chatterjee P, Walsh KM. Anxiety among high school students in India: comparisons across gender, school type, social strata, and perceptions of quality time with parents [serial on the Internet] Aust J EducDev Psychol. 2010;10:18–31.
- 42. World Health Organization. 10 facts on adolescent health. [accessed on January 14, 2013]. Available from: http://www.who.int/features/factfiles/a dolescent health/facts/en/index4.html