

An innovator, a game changer consists of three parts: 1. Energy regulation, 2. Transportation 3. Energy generation. Misspent energy mishaps. It should be regulated. Energy regulation is in transportation, Automatic brakes with accidental forces Robot. Water transportation in the sky with sea breezes. These can protect biodiversity environment and climate change. 2 Articles are solutions for UN ROAD SAFETY DECADES. Road accidents became severe unpeace problem in India and minimum 400 deaths in a day, permanent disabilities, serious, minor injuries and property losses push 1000 families in to poverty every day. Noise pollution causes many health hazards can be decreased with rotors in silencers. Water Transportation in the sky with sea breezes helps to control droughts. These are peace carriers and may be eligible for Gandhi peace prize in India and Nobel prizes in Physics and Chemistry. We have to consider our ancestors Bramhagupta, Lalacharya, Bhaskaracharya's perpetual motion machines with gravity and Nature wheels machine theorem.



Dr. J. HARIHARA REDDY, B.Sc, B.Ed, MA Headmaster (RTD) born on 05-05-1957. Fortunately he read a book Physics for entertainment and inspired as perpetual motionist. Married and has two daughters. Joined as Mathematics teacher in Government High school. Remembered childhood perpetual motion machine and discovered solutions for UN ROAD SAFETY DECADES. He started enthusiastic Perpetual motion machine construction and got state level science fair award by SCERT. Published three papers at IIOH Kolkata, in conference and conferred honorary doctorate in humanities with science heritage. His book articles in AN INNOVATOR, A GAME CHANGER registered with copyrights India. He submitted his articles to subject experts like Principal scientific advisor, Government of India, Director general CSIR, Text books Director SCERT, AP, University of Applied science and technology, Oman and got recognition. Actively participated in Manki bath discussions and got recognised as change maker. His innovations and Change maker badge became his book title AN INNOVATOR, A GAME CHANGER.



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AN INNOVATOR, A GAME CHANGER

DR. J HARIHARA REDDY

INDIAN MODERN PERPETUAL MOTION
MACHINES WITH NATURE FREE WHEELS

AN INNOVATOR, A GAME CHANGER

CONVERSION OF INTANGIBLES (IMPOSSIBLES) TO
TANGIBLE DESIGNS FOR PEACE ESTABLISHMENT



IMPOSSIBLE ENERGY REVOLUTION IS POSSIBLE
WITH INVISIBLE GRAVITY

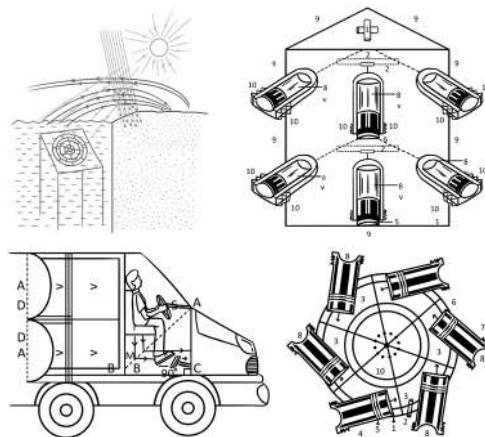
ENERGY REGULATION AND GENERATION FOR
PROTECTING BIODIVERSITY AND ENVIRONMENT

DR. J HARIHARA REDDY,
B.Sc, B.Ed, MA



AN INNOVATOR, A GAME CHANGER

INDIAN MODERN PERPETUAL MOTION
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Impossible energy revolution is possible with invisible Gravity
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INDIA • SINGAPORE • MALAYSIA



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Nature and Man

Man is the most intelligent creature of nature. Nature created in her sport for her joy. Before man was evolved, Nature's journey in evolution was mechanical unilateral, lonely and dull, with the advent of man nature enjoys the company of a conscious being in dialect with it. Consciousness is the product of the prolonged evolution of nature, but at once having arisen it acquires certain independence and activity influences latter's development. Though a part of nature, man acts as an independent force and subdues nature injecting his will he makes those laws to function as he likes and thus he goes on conquering nature. Nature enjoys this conquest in the manner as a mother enjoys her child seizing her breasts and pressing for milk. Readily nature helps that man who struggles against her though after a bit of test because nature knows that he conquers her to make higher. By his conquest of nature man creates civilization and thus nature looks herself more beautiful and better. In man mother, Nature toys with her own child and in this sporte she confers boon after boon on man to enrich her own self. By his conquest of nature man decorates her with civilization and culture. Every conquest of nature by the man is a furtherance of civilization. From this it is clear that a new man came out of subman and the civilized man came out of savage (who destroys nature) man, so will come out of civilized man the superman.

THE SCIENTIFIC VEDANTA, KASINATH.

OUR SCIENCE IS WHAT WE MAKE IT.

Research methodology and scientific writing. C George Thomas.

We know very little, and yet it is astonishing that we know so much, and still more astonishing that so little knowledge can give us so much power. Bertrand Russell.

There is infact two things, Science and opinion, the former begets knowledge, the latter ignorance. Hippocrates.

None of my Innovations came by accident. I see a worthwhile need to be met and I make trial after trial until it comes, what it boils down to is 1 percent inspiration and 99 percent perspiration. Thomas Alva Edison.

The strongest arguments prove nothing so long as the conclusions are not verified by experience. Experimental Science is the queen of sciences and the goal of all speculation. Roger Bacon.

Good fortune is what happens when opportunity meets with planning. Thomas Alva Edison.

We really haven't got any great amount of data on the subject, and without data how can we reach any definite conclusions? Thomas Alva Edison.

Books are carriers of civilization. With out books, history is silent, literature dumb, Science crippled, thought and speculation at a standstill. Henry David Thoreau.

One can measure the importance of scientific work by the number of earlier publications rendered superfluous by it . David Hillbert.

The moment we want to believe something, we suddenly see all the arguments for it, and become blind to the arguments against it. George Bernard Shaw.

Twice and thrice over, as they say, good is it to repeat and review what is good. Plato.

Given a large mass of data, we can by judicious selection construct perfectly plausible unassailable theories ---- all of which, some of which, or none of which may be right. Paul Arnold srere.

Everything deep is also simple and can be reproduced simply as long as it's reference to the whole truth is maintained. But what matters is not what is witty but what is true. Albert Schweitzer.

Information is a source of learning. But unless it organized, processed and available to the right people in a format for decision making, it is a burden, not a benefit William G Pollard.

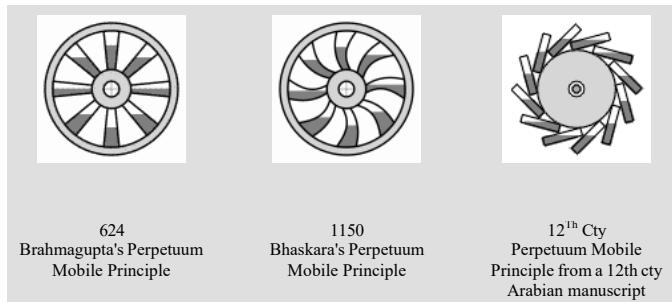
The mediocre teacher tells, the good teacher explains, the superior teacher demonstrates. The great teacher inspires. William Arthur Ward.

Ethics is knowing the difference between what you have a right to do and what is right to do. Potter Stewart.

Our life is what we make it.

INDIAN TRADITIONAL KNOWLEDGE SYSTEM

Perpetuum Mobile - Concepts I



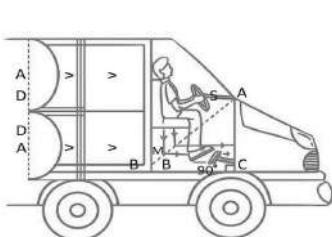
Ref : <http://www.hp-gramatke.net/perpetuum/english/page0020.html>

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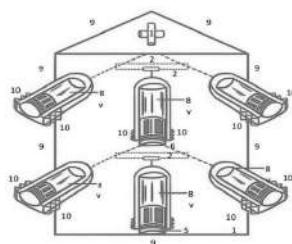
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INDIAN MODERN PERPETUAL MOBILE NATURE WHEELS.

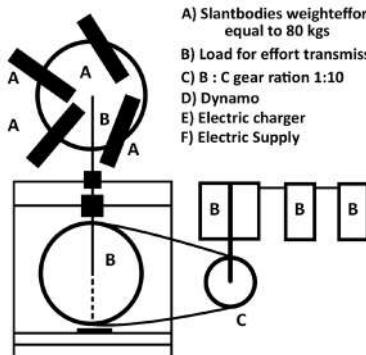
Gravitational scattering refers to the change in the direction or speed of the object moving under the influence of the gravity, specifically due to the close encounters and exchange energy and momentum. Example , Aero plane , satellite and vehicles motion on earth .The vibration which is under the influence of external force is called forced vibration . When an object or system is subjected to an external force or vibration whose frequency matches a resonant frequency of the system, defined as a frequency that generates a maximum amplitude response in the system .



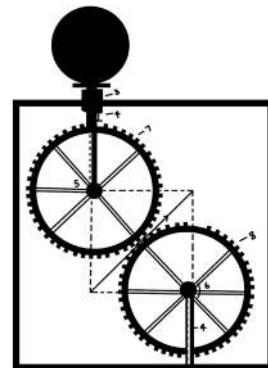
Reflection Vacuum



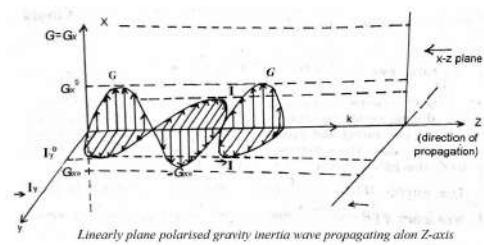
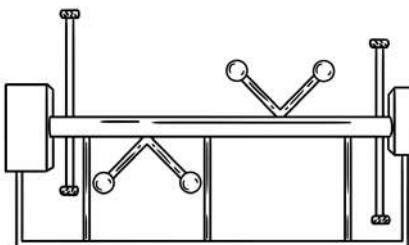
Atmosphere Reflection Vacuum



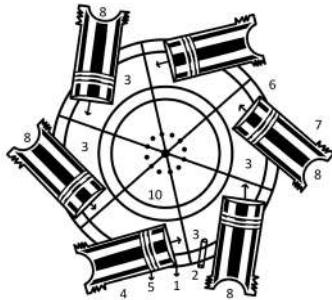
Reflection



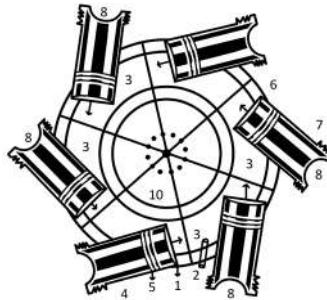
Reflection



Interference Resonance



Atmosphere Vacuum



Water Vacuum

Nature Abhors Vacuum = Negative Gibbs Free Energy = Spontaneous Work.

Reference:

An Innovator A Game Changer by

Dr.J.Hari Hara reddy B.Sc, B.Ed, MA.

CHEMISTRY THERMODYNAMICS NOBEL LAUREATES PERPETUAL MOTION MACHINES

Wilhelm Ostwald German Chemist who received the 1909 Nobel prize in chemistry for his work on catalysis and investigations into the fundamental principles governing chemical equilibria and rates of reaction which is the state where the rates of forward and reverse reaction are equal . Ostwald introduced the second kind of perpetual motion machine of second kind or PMM2 .that is of a device that would perform work solely by absorbing energy as heat from a body (OTEC) reservoir which would not violate the first law of thermodynamics

Walther Nearnest 1920 Awarded Nobel prize in chemistry for his work on thermochemistry , particularly his formulation of the third law of thermodynamics .His work helped to calculate chemical equilibrium based on heat exchange.

William F Giauque . Received the Nobel Prize in 1949 for his contributions to chemical thermodynamics, specifically for his studies of substances at extremely low temperatures and his accurate entropy estimations.

Lars Onsagar 1968 . Received Nobel prize for the development of reciprocal relations that describes the flow of matter and energy in systems far from equilibrium.

Ilya Prigogine Awarded the Nobel prize in 1977 for his work on non-equilibrium thermodynamics particularly his theory of dissipative structures. This theory explains how complex ordered structures can arise and be maintained in systems far from equilibrium such Cyclones and living organisms.

Just add Boyle and Gibbs free energy to the above Laureates knowledge with our Nature wheels machine theorem If nature forces become source input and less intensity areas sink are arranged in a machine then nature forces always act on it and make it as a Perpetual motion machine.

ARISTOTLE . HORROR VACUI =. NATURE ABHORS VACUUM = Negative GIBBS FREE ENERGY
→ SPONTENEIOUS WORK .NATURE WHEELS MACHINE THEOREM → SUSTAINABLE DESIGNS
LIKE WHIRL WIND WHEEL. WHIRL POOL WHEEL.

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AN INNOVATOR , A GAME CHANGER

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2	L-134486/2023	J HARIHARA REDDY	EARNED ENERGY MACHINE - REVERSIBLE MACHINE WITH INTERFERENCE	09- 10-2023
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9	L-156900/2024	J HARIHARA REDDY	ENERGY KNOWLEDGE MANTHON	20-11-2024
10		J HARIHARA REDDY	WHAT WE SOW- SO WE REAP	

KNOWLEDGE RECOGNITION AUTHORITIES WITH REMARKS .

ACADEMICIANS

- 1 Andhra Pradesh State council of educational research and training . State level science fair award .
- 2 .principal scientific Advisor to the Government of India , Nice work , Science Champion
- 3 .Director General , Council of scientific and industrial , government of India, Science champion .
4. AP , SCERT , Text books Director , Innovative knowledge producer .(Mann ki baat) 5 .AP ,
Pran president, Vignan Bharati , Grate work.

UNIVERSITIES

- 6 .IIT Madras, Green energy summit, Merit certificate.
- 7 INDIAN INSTITUTE OF ORIENTAL HERITAGE , Honorary Doctorate in Humanities with Science Heritage .
- 8 University of Technology and applied sciences (UTAS) Oman , Distinguished Scientist.
- 9 UTAS Oman Excellence in Science
10. UTAS Oman Research excellence
11. UTAS Oman , Citation of Honours , Leadership and inspiring others . Inspiration to the next generation students and leaders .
12. President , Indian National science Academy , Sneak .
13. UNESCO MGIEP , Sneak , 16 months in row.

POLICY MAKERS

- 14 Vice President of India , Sneak
15. Prime minister of India ,Sneak
- 16 .Science and technology Minister ,GOI, Sneak
- 17.Cultural Minister, GOI Sneak

SUSTAINABLE SCIENCE / CITIZENS SCIENCE

- 18 World Human rights protection commission , Honorary Doctorate in Environment and Sustainable development.
- 19 .World peace Institute of United Nations , Honorary Doctorate in peace and sustainable development Goals .
- 20 Global economic progress and research association, Dr.Radha Krishnan Gold Medal Award, Individual achievement and national development.
21. Citizens centric platform my gov .in, Mann ki baat . Government of India, CHANGE MAKER .
22. World culture and environment protection commission , Honorary Doctorate in peace and sustainable energy for all

PERPETUAL MOTION MACHINES INTRODUCTORY VIDEOS

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- 2) <https://www.facebook.com/share/r/1DckXKASCm/>
- 3) <https://youtu.be/A-QgGXbDyR0?si=rZbraJ94YqsxaauK>
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- 5) <https://youtu.be/PHv5YxOpPho?si=9o82-kfAtLdNCW63>
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- 14) https://youtu.be/B8wWKJ372h4?si=OTEc0eq9N_dZ9nJR
- 15) <https://youtube.com/shorts/imaJLR7JCwE?si=k0t2u5wfJtwCgN3>
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- 17) <https://youtu.be/b5uZsUJnasA?si=hrXAaYt8TJmOFWtk>
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- 19) <https://www.facebook.com/share/r/1aWhoNWmQ7/>
- 20) <https://youtu.be/b5uZsUJnasA?si=hrXAaYt8TJmOFWtk>

Intangible to Tangible

The Invisible becomes visible.

Invisible gravity generates invisible electrons and completes impossible energy revolution. This disproves and disqualify the law of conservation of energy.

Must be usable and practical. The change is simple. Turn our conceptual benefits into actual services and programs. We can accomplish this is by writing a service or program into existence. This pure act of creation transforms the Intangible. And now we really have something (designs) to use.

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Chapter 1

Introduction

1. Author Views
2. Energy Knowledge Manthan. Nature Machine Theorem
3. Science Transformation for Possible
4. Perpetual Motion Machines

Man is born to conquer nature and not to follow it

– Vivekananda

The secret of freedom lies in educating people where as
the secret of tyranny is keeping them ignorant
(Forced to learn impossibles)

– Maximillien Rabespierre

Awake, arise and stop not till the goal reached

– Vivekananda

AUTHOR VIEWS

UNESCO: United Nations educational scientific cultural organization. This consists of education, Science and culture. Author J HARIHARA REDDY fortunately completed graduation in education (B.Ed.) , Science (B.Sc) and culture (MA) but joined in AMIE, M.Sc (Mathematics,) MA (Psychology) and M.Sc (Physics) and left them with gist but not with degrees. Our life or Science is a result of the choices we make. If we don't like our life or our Science, It's time to start making better choice. Fortunately read a book titled "Physics for entertainment" by Y. Perelman while a student after vii calss in summer vacation. Joined as a junior assistant or lower division clerk in education department. Became Mathematics teacher for high school students and became Head Master. Discovered solutions for UN ROAD SAFETY DECADES with Automatic brakes with accidental forces (Robot) and Noise pollution verses Rotors in silencers to control noise pollution and to capture reduced velocity carbon emission gases to reuse as water gas. Life is a choice after choice after choice. I choose to answer my childhood days question that is impossible perpetual motion machine construction. As we sow, so we reap. Life is past present and future similarly knowledge on perpetual motion machines. Information is not the knowledge. Research is to see every body has seen, and think what nobody else has thought. All the questions for progress on us are for our convenience. We are in nature. Our questions are for nature. Nature designed our body, no design or desire is difficult to nature. Nature observations are the base for our knowledge. Our knowledge is increasing with more understanding our nature. Nature observations show us many natural phenomena like whirlwind and whirlpool. Many tried to construct whirlwind wheels and constructed mixy like machines we use daily in our houses. They were unable to think differently but they followed to give input like all machines. Knowledge, nature observations, experience, imagination and related history all together leads to understanding nature properly. Whirlwind or Whirlpool are nature activities and they have their

own inputs. creativity is thinking outside (impossibles and prohibited perpetual motion machines) the confines of the situation, being open to unexpected situations/chances, allowing the subconscious mind to take over leading to springing up with surprising solutions at unexpected times. Imagination works as the blue print of any creation. We know Atmosphere and Gravity are freely available natural forces and they help and destroy us in typhoons earthquakes etc. It is easy to make them for our use with suitable designs by ignoring impossibles and prohibitions. If we start with impossible (opinion) we end with impossible. If we start with possible we end with possible. We always reap what we sow. Let us be a part of the solution not a part of the problem. Nature machine theorem newly created theorem or imagination is the blue print for nature input machines. These designs converts potential energy to kinetic energy and we know total energy potential energy plus kinetic energy remains constant. Solid body Weight or Gravity machines are worth for physics Noble prize, Fluids (air and water Weight) machines are worth for chemistry Noble prize, Accident untimely deaths control in highly populated India is worth for Gandhi peace and Noble peace prize, Gelilio Scientific method devide knowledge into two parts like religious and Scientific knowledge. But religious knowledge may be the base for all knowledges. Indian scientific and religious knowledge are almost similar and are same hence these are worth for Templeton prize. But these designs are based on well known knowledge by our experts and books authors or gurus who made them to available to all including me. My sincere thanks and regards for all my teachers to change me or reinvent me to change impossibles as possibles and to give opportunity to government to abolish or ignore impossibles and prohibited laws in our education and reinstate our ancestors perpetual motion machines along with modern nature machine designs. A teacher can participate in Science fairs as an employee he should not publish his research work, that is the fate of enthusiastic person and education.

These can be called creative city of sustainable energy and intangible cultural heritage expressions. These Energy regulations and Energy

generation designs solve our Energy environment and financial problems and become solutions for INTERNATIONAL DECADE OF SCIENCE AND SUSTAINABLE DEVELOPMENT 2024–2033. Indian individual who qualified and became eligible for three different Noble prize subjects make India proud among all nations. It can be verified by our subject experts for satisfaction which may also satisfy Noble foundation. These are based on basic or fundamental Sciences but in other side they are linked with Theory of relativity and quantum mechanics.

When a distinguished but elderly scientist states
that something is possible,
he is almost certainly right. When he states that something is
impossible, he is very probably wrong.

– Arthur C. Clarke

Napoleon Bonaparte famously said. “Impossible is a word to be found only in the dictionary of fools”. This quote is often used as a motivational phrase to encourage people to work hard and never give up.

EXPLANATION

Napoleon Bonaparte was a major leader of France during the Revolution. He started from a humble background and rose to the top, which is why his quote is so relevant to his life. He believed that wise people create opportunities for themselves and make everything possible.

“Nothing in the world is more dangerous than sincere ignorance and conscientious stupidity Martin Luther King.

Ignorance is the parent of fear. “From a caprice of nature, not from the ignorance of man.

Force can cause Motion Weight is a Force

Therefore, Weight can cause Motion Weight last forever

Therefore, motion will last forever

Hence, The perpetual motion.

Water flows downwards

God knows the truth

Fire rises upwards

Scientist knows the truth

TRUTH ALWAYS TRIUMPHS.

Preface or subjects' teachers reviews

1. Mathematics, Newton's principia Mathematica is the base for these discoveries. Theorems are similar to Pythagoras theorem, Geometric diagrams or similar constructions. These are studied in the entire world with subjects like Statics and Dynamics by Civil and Mechanical Engineers and Mathematics graduates. Axe vertical force on wood split it horizontally, similarly wedge. Vertical weight force on inclined plane moves it on wheels. These innovations become base for abolition of patent prohibitions on perpetual motion machines in India.
2. Physics, the study of matter and energy relations or understanding knowledge and practices concerning nature and universe for constructing perpetual motion machines. Physicists believe most of the universe is filled with vacuum. These innovations are similar to our Indians zero or vacuum with the help of reflection, refraction, and Interference. These are evidence-based sciences. Galileo and Newton's laws of motion experiments. High grade energy machines and satisfy conditions necessary for working machines like screw jack, inclined plane and wedge etc. Many physicists views on perpetual motion machines are not applicable. But these work with inexhaustible nature forces or central forces which are invariant to time changes. Invariant principles satisfy

these machines. Impossible thermodynamics statements are applicable only low grade heat energy but not this gravitational scattering machines.

3. Chemistry, we are chemical engines, breathing air consists of chemicals, drinking water, eating food and vehicles fuels are chemicals. We should decrease Carbon emissions and make use of fluid Power without interruption. Boyle, Ostwald, Gibbs free energy, Onsager, Nernst and Prigogine knowledge on non-equilibrium thermodynamics with cyclones, tornados indirectly say second kind of perpetual motion machines construction is possible with nature forces. These innovations satisfy Nature wheels machine theorem.
4. History and culture. Lord Krishna tried to prevent kurukshetra, but war occurred and lost many lives. Similarly, we are seeing many wars around us in other countries and many mental and cold wars within the country. Wars are everywhere and no peace nowhere. At present we don't have wars with other countries, but we have severe road accidents with their vehicles which are wrestler than wars. Wars are now and then but we have road accidents on all days. History helps us to understand the situations and take right decision in India which is thickest populated nation. Our nation is similar to our religious knowledge. Nature, destructors, and protectors. We had Sudarshan chakra, Chakra on our national flag but no nation had it. These Innovations are based on Brahmagupta, Brahmaputra Siddhanta reinstate our ancestors Cultural heritage. History of perpetual motion machines shows the right direction for perpetual motion machines but not sciences. History has key role in developing these discoveries for UN ROAD SAFETY DECADES UN DECADE OF SUSTAINABLE ENERGY FOR ALL and International Decade of science and sustainable development.

SUBJECT	WORK DONE	IMPACT
Mathematics & Geometry Shaw, Templeton	Physics, chemistry, Author views, Energy knowledge manthan, Environment protection and fundamental duties, Indian culture and Science in religious knowledge, Intangible Cultural heritage expressions or impossibles changed as possibles	prevent untimely deaths, injuries, disabilities, protect properties, climate, environment, health and decrease tensions related to fuel wars.
PEACE	Physics, chemistry articles in the book " INDIAN MODERN PERPETUAL MOTION MACHINES WITH NATURE WHEELS'	prevent untimely deaths, injuries, disabilities, protect properties climate environment, health, decrease tensions related to fuel wars and establish peace with biodiversity conservation.
PHYSICS	Automatic brakes with accidental forces robot. 1. Weight wind vacuum vehicle (Satellite on the surface of the earth – Reflection) 2. Gravity mill Reflection for power generation. 3. Gravity gift power machine (Refraction) 4. Earned energy machine (Interference) 5. Earthquake alarms at homes. 6. Energy knowledge manthan.	prevent untimely deaths, injuries, disabilities protect properties climate environment health decrease tensions related to fuel wars and delete prohibitions on Perpetual motion machines in patent offices. These are based on high grade energy not related to laws (statements) of thermodynamics.

SUBJECT	WORK DONE	IMPACT
CHEMISTRY	<ol style="list-style-type: none"> 1. Noise pollution versus rotors in silencers (Chakra) 2. Weight wind vacuum vehicle on water and in sky. 3. Whirl wind Wheel for power generation. 4. Whirlpool Wheel for power generation at dams. 5. Water transportation in the sky with sea breezes. 6. Modernization of science and technology 7. Necessity for Science diplomacy 8. Science technology and innovation policy experts (public) consultation. 	protect environment climate, health decrease tensions related to fuel wars. Decrease carbon emissions, Nature laws explanation. These are high grade energy machines not depend on heat. delete impossible false superstitions in curriculum and patent offices. Control droughts.

CONNECTED SCIENCE

COSMOLOGY, PHYSICS AND CHEMISTRY IN PERPETUAL MOTION MACHINES

We have many ways not to reach our destiny but we have few ways to reach our destiny. We can do wrong things failures or discoveries in many ways but we can do right things discoveries only in few ways. Many faults can't become a right. Similarly we have many failures and many impossible statements in constructing perpetual motion machines but we have few right directions in constructing perpetual motion machines.

Traditional knowledge, local knowledge or indigenous knowledge generally refer to knowledge systems embedded in the Cultural

traditions of regional, indigenous or local communities. Traditional knowledge includes about traditional technologies of areas such as subsistence (e.g. tools and techniques for our works) , midwifery, ethnobotany, ecological Knowledge, traditional medicine, celestial navigation, craft skills, ethnoastronomy climate and others. These systems of knowledge are generally based on accumulations of empirical observation and on interaction with the environment. In many cases traditional knowledge has been passed on for generations from person to person, as an oral tradition. Traditional knowledge systems and Cultural expressions exists in the forms of dancing, singing, art, language, crafts and designs. Creativity and Culture matters including protection preservation, development promotion, creating awareness and enabling enjoyment of Culture art and creativity of Telugu people. Heritage matters including protection preservation conservation, promotion of understanding and enjoyment of tangible and intangible cultural heritage expressions. Trying to understand the infinite wonders of nature with our limited human intellect is a story that has no ending. KNOWLEDGE AND PRACTICES CONCERNING NATURE AND UNIVERSE include knowledge, know how, skills practices and representations developed by communities by interacting with natural environment. It includes areas traditional ecological wisdom, indigenous knowledge, traditional healing systems, beliefs superstitions are some common examples. Cosmology: The universe is mostly a vacuum, or empty space due to gravity and the expansion of the universe. Aristotle believed that objects have natural place in the universe and that motion could be natural or violent. For example he believed that the objects made of wood, rock and metal naturally sought the earth. While objects made of air sought the heavens. He also believed that the air displaced by a projectile pushes the projectile forward like air and water molecules or satellites. The universe consists of bodies and space. Some are compounds and some are those from which the compounds are formed. These are indivisible and unalterable. They are completely

solid and can't be dissolved. The indivisible bodies move continuously all the time. Falling straight down, or swerving or yet recoiling from their collisions. They don't possess the qualities of the perceptible things, except shape size and weight. Gravity causes matter to collect in certain areas of the universe. Creating gravitational hot spots that pull in nearby matter. The process creates cosmic voids, which are mostly empty spaces. There are three proposed types of perpetual motion machines, which are considered impossible by the laws of Thermodynamics. First kind: This machine would produce enough energy to reset its own cycle with out any energy input. This violates the first law of thermodynamics, which states that energy cannot be generated, or destroyed. Second kind: This machine would convert all of the heat it receives into work without any other input. This violates the second law of thermodynamics. Third kind: This machine would eliminate all the forms of dissipation. But we know Action= Input = load + friction = output=reaction. In general we include friction in load while solving our problems. So eliminate all forms of dissipation need not be considered. Pendulum oscillation can't continue due to decrease in its potential energy mgh , since all bodies have to settle on earth but not merely due to friction. Friction and inertia always exists on bodies while in motion or in rest. Complete elimination of friction need not be considered while constructing Perpetual motion machines. we have superconductors. Conservation of energy laws forewarn us of the occurrence of certain types of phenomena like a perpetual motion machine and thus prevent wastage of time and effort that we might otherwise feel tempted to devote in tackling such problems along with patent offices. They seem to have an intimate relationship with the concept of invariance and we may often use them with success, in exploring and unrevealing new and hitherto not well understood phenomena. The property of remaining unchanged regardless of changes in the conditions of measurement. For example, the area of a surface remains unchanged if the surface is rotated

in space. Thus the area exhibits rotational invariance. In physics invariance is related to conservation laws.

INDIAN AND ARAB RIGINS

The oldest description of a perpetual motion machine dates from 7th century India. The Mathematician Bramhagupta with his Bramhasphuta Siddhanta wanted to represent the cyclical and eternal motion of heavens, designed an overbalanced wheel whose rotation was powered by the flow of mercury inside it's hollow spokes. In 12th century Bhaskara altered the wheel design by giving the hollow spokes a curved shape. Producing an assymitrical course in constant imbalance.

Aristotle, Da Vinci, Galileo and Newton had different views on perpetual motion machines, which are hypothetical machines that could work indefinitely without an external energy source. Aristotle believed that knowledge could be gained through careful observation of natural world, he thought a projectile's motion continued because the air or water it displaced pushed it forward. This is true in our present designs. Leonardo da Vinci, oh seekers after perpetual motion machines, how many vain chimeras have you pursued ? Go and make your place with the Alchemists. Galileo, observed that an object traveling in a perfect Circle would continue moving at a constant speed. He believed that if a circle were made flatter, the object would move in a straight line. Newton, stated that every object in a state of uniform motion will remain in that state unless an external force acts on it. This is known as Newton's first law. He believed that perpetual motion machines are impossible since something for nothing.

One day man will connect his apparatus to the very wheel work of the universe and the very forces that motivate the planets in their orbits and cause them to rotate will rotate his own machinery. NICHOLO TESLA. This knowledge support High grade energy perpetual motion machines but we have many physics Noble laureates knowledge which considered Perpetual motion machines are impossible.

Boyle perpetual motion machine and Boyle's law, Gibbs free energy, Wilhem Ostwald second kind of perpetual motion machine, Nernst heat theorem. He showed that as the temperature approached absolute zero, the entropy approaches zero and Onsager's pioneering work in nonequilibrium thermodynamics which applied to systems that are not in equilibrium. That is systems in which differences in temperature, pressure or other factors exist. Prigogine defined dissipative structures and their role in thermodynamic systems far from equilibrium. Chemistry Nobel laureates' knowledge is neglect impossible in constructing second kind of perpetual motion machine with examples Whirlwind, whirlpool like typhoons, tornados, cyclones continue long time for many days. But these are high grade energy machines not depend on second law of thermodynamics which are only statements but not laws and limited only for heat engines.

CONCLUSION

INDIAN MODERN PERPETUAL MOTION MACHINES WITH NATURE WHEELS or formal proof for possible Perpetual motion machines.

NATURE WHEELS MACHINE THEOREM

If nature forces become source input and less intensity areas sink are arranged in a machine then nature forces act on it and make it as a Perpetual motion machine.

– Dr. J. Hari Hara Reddy B.Sc, B.Ed., MA

To

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The policy makers subject experts and enthusiastic persons in India. From

Dr. J HARIHARA REDDY B.Sc, B.Ed, MA Head Master (RTD)
Ref: Indian scientific social responsibility.

Respected sir Namaste

I would like to submit my FORMAL PROOF FOR POSSIBLE PERPETUAL MOTION MACHINES with a title' ENERGY KNOWLEDGE MANTHAN for proper evaluation and approval. Science is universal but technology is local. It is to be evaluated in India by our local experts. In addition to my energy regulation designs these are for Energy generation which world consider impossible and prohibited based on statements but not laws. World knows Perpetual motion belongs India hence it is to be completed in India. We need energy for our machines which we are taking from earth by destroying it and environment. Earth can give us clean energy at all places all times at free costs with these Indian modern designs. These are to be verified and confirmed with right decisions in India only. Hence, I request your cooperation on these Nature machines. These indigenous designs satisfy working machines condition and do our works with nature forces. Present machines do work against to nature and destroy environment.

INDIAN PERPETUAL MOTION MACHINES

1) Whirlwind wheel 2) Whirlpool wheel 3) Satellite on the surface of the earth (weight wind vacuum vehicle) 4) Weight wind vacuum sky vehicle 5) Gravity mill (reflection) 6) Earned energy machine refraction 7) Gravity gift power machine interference. These are for creative city of sustainable designs and intangible cultural heritage expressions but these require universal expertise hence India must take right decision immediately for environment health and financial

relief. All machines satisfy Nature machine theorem: If nature forces become source (input) and less intensity areas (sink) are arranged in these modern machines then nature forces act on it and make them as Perpetual motion machines. Weights on hallow right angle isosceles triangle diagonal like ladder and vacuum acts as sinks, Gravity and Atmosphere are inexhaustible sources.

Force can cause motion, weight is a force, therefore weight can cause motion. Weight last forever, therefore motion will last forever. Hence, the Perpetual motion. (Where does energy come from, <http://orffyre.tripod.com/id47.html>)

This is true in case of planetary motion with huge masses and Weights. Similarly, it is true in our designs since input is inexhaustible nature forces = output (Load + friction losses). Source and sink values are in variables, conservation law and conservative force changes are invariant to time changes. So, these are called Nature machines. These can overcome laws or impossible Thermodynamics statements. These are in use (wind mills, hydropower) but these designs make them to continue their work without interruption in small variation in nature. These can convert potential energy to kinetic energy without any change in heights. Knowledge shared is knowledge squared.

I request your kind attention, cooperation, and necessary action in this important improvement.

With warm regards and thanks

Yours Faithfully

Dr. J HARIHARA REDDY

Enclosure: Energy Knowledge Manthan pdf

ENERGY KNOWLEDGE MANTHAN FOR ENERGY CRISIS, ENERGY REVOLUTION and ENERGY INDEPENDENCE

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FORMAL PROOF FOR POSSIBLE PERPETUAL MOTION MACHINES NATURE MACHINE THEOREM

If nature forces become source less intensity (sink) areas are arranged in a machine then nature forces act on it and make it as a Perpetual motion machine. No change in reactants quality and quantity but electrons generation continue in necessity, Is it not the disprove and disqualify the law of conservation of energy?. Let us decide to take right decision properly. Let us protect our creative knowledge or use nature forces and understand nature properly to protect our biodiversity will become world Science for peace and development

INTRODUCTION

Humans are naturally curious and creative, two traits that have led our species to many scientific and technological breakthroughs. Since our earliest ancestors bashed on the ground to make the first sharp edged tool, humans have continued to innovate. From the debut of the wheel to the launch of Mars rovers, several of these key advancements stand out as especially revolutionary. Some inventions are thanks to one Eureka moment. But most of our most pioneering inventions were the work of several innovative thinkers who made incremental improvements over many years.

LAW OF CONSERVATION OF ENERGY AND BHAGAVAD GITA

Energy cannot be created or destroyed but it can change from one form to another resembles BHAGAVAD GITA chapter 2 Slokas 16 to 28 and chapter 18 Sloka 22. Atma or soul cannot be burnt by fire,

water cannot wet it but it changes bodies while death and birth. Law of conservation of energy and Bhagavad Gita Slokas have no scientific proofs, they are only beliefs but they can keep us in Tamogun. Energy = soul. Tamas means darkness. Bhagavad Gita chapter 18 Sloka 22. Those knowledge shows us how we are, what is our knowledge strength that is ignorance laziness or inertness, do we need this? Let us reconsider on this knowledge for our survival from prohibitions and impossibles.

REVERSIBLE MACHINE

The wheel, some people consider the wheel to be the greatest invention of all time. If it is natural wheel like our planets or like perpetual motion machine, it will be modern and can change, save our Earth from carbon emissions. Modern civilization would like to very different today had it not been for the ancient invention and incorporation of the simple wheel. Exactly where and when the wheel was invented remains unclear. It is highly likely it was invented independently by many civilizations at one point or another. The simplicity of the wheel means that it is likely to have been invented even by civilizations that saw no need for it.

The earliest evidence for the wheel comes from 4500BCE to 3300 BCE in Mesopotamia in the form of the potter's wheel. Early wheels for transport were made from solid planks of wood. This design was improved upon around 2200 BCE to 1550 BCE during the middle Bronze age when this spoked wheel and the chariot appeared first time. A machine is a contrivance which receives energy in some available from and uses it for doing a particular useful work. Heat engine, wheel barrow etc. A machine is capable to reach its original state if effort applied is removed is known as reversible machine and it unable to reach its original state it is irreversible or self – locking machine. A machine is irreversible or self-locking if the efficiency is less than 50%. A machine moves on its own weight or by nature forces is known as reversible machine. Example Motion of a vehicle in inclined plane. Its

efficiency is more than 50%. Gravity works as input or source for its motion. Gravity as a mechanical reservoir.

MECHANICAL ENERGY RESERVOIR

It is a large body by an adiabatic impermeable wall capable of storing work as potential or kinetic energy. A mechanical energy reservoir receives or rejects, delivers mechanical energy quasi – statically. Example, water in a dam, Atmosphere and body weight or Gravity, raised weight, running fly wheel and compressed spring can store the work as the potential energy.

WORK RESERVOIRS

Present designs transfer only work in the form of motion from nature but not heat or mass. A work reservoir is a system that only exchanges work with other systems in such a way that all the processes within it are reversible. Force can cause motion, weight is a force, therefore weight can cause motion. Weight last forever, therefore motion will last forever. Hence, the Perpetual motion. (Where does energy come from, <http://orffyre.tripod.com/id47.html>)

WORK TRANSFER

Work is defined as transferring energy into an object so that there is some displacement. Energy is defined as the ability to do work. Energy is useful only if available where it is wanted. Carrying energy to where it is wanted is called distribution. keeping it available until when it is wanted is called storage. Transportation of mass or energy needs much work. The energy possessed by a system is two types. 1 Stored energy 2 Transit energy. The stored energy is the energy possessed by a system within its boundaries, The potential energy and internal energy are the examples of stored energy. The transit energy is the energy possessed by a system which can cross its boundaries. The heat, work and mass are the examples of transit energy. It may be noted that only

the stored energy is a thermodynamic property whereas the transit energy is not a Thermodynamic property as it depends upon the path. Mathematical representation of work done against gravity is given as $W = mgh$ = potential energy. Work Energy Principle states that the change in kinetic energy of a body is equivalent to the net work done on the body. Work and energy are closely related to each other. work can also be defined as the transfer of energy. For two objects, the work done is defined as the transfer of energy from the first object to the second object.

ENERGY HISTORY

The word Energy comes from the word *energeia* developed by Aristotle. It is frequently described as being at work. Helmholtz formulated the law of conservation of energy, Energy cannot be created or destroyed but can change from one form to another. This is known first law of thermodynamics. A machine which violates the first Law of Thermodynamics is known as perpetual motion machine, PMM, of the first kind. It is defined as a machine which produces work energy without consuming an equivalent energy from other source. Such a machine is impossible to obtain in actual practice. Because no machine can produce energy of its own without consuming any other form of energy. conservation of mass and law of conservation of energy melted to energy equation $E = mc^2$. Every day expression energy production or renewable energy contradict the law of conservation of energy. The scientific definition of energy by the law of conservation also does not do much to help us understand expressions like an energetic person. For an everyday working definition of energy, we might look back to Aristotle for inspiration stated simply energy is a condition that describes the capacity to do work. Work is believed to be done by a force when an object experiences displacement parallel to the line of action of the force. It is an activity that includes force and movement in the direction of the force. Work is given by the equation $Fd \cos \theta$, where d is the horizontal displacement over which the

force acts and θ is the angle between the force and distance. Work done is always same. Energy can be of different types such as kinetic and potential energy. A tool that makes our work easier is a machine. Machine is the device capable of making the performance of the mechanical work easier. Hence, A tool that makes our work easier is machine that may be called perpetual motion machine or nature machine with nature forces.

CONSERVATIVE FORCE FIELD

CARNOT'S THEOREM, CARNOT'S theorem is a necessary consequence of the second law of thermodynamics which can be stated thus, the efficiency of all reversible engines working between the same temperature limits is the same and no irreversible engine working between the same temperature limits can have a greater efficiency than this. It means that the efficiency of a reversible engine is maximum and that it depends only on the temperature limits between which the engine is working. As there is no mention of the working substance, it is obvious that the efficiency of reversible engine is independent of the nature or choice of the working substance employed. A reversible machine has a maximum efficiency and the efficiency is independent of the choice of the working substance. In case of lifting machines, the efficiency of reversible machine is more than 50% and irreversible machine is less than 50%. In whatever form energy exists work can only be obtained if the energy is present in a state of greater intensity in portion of the system and lesser intensity in other part of the system.

CONSERVATIVE FORCE FIELD IS INVARIANT TO THE CHANGES OF TIME

We can also state the law for a system of particles moving in a conservative field because this is valid for each individual particles E , the energy function of the particle in a conservative force field is invariant to the changes of time and position of the particle. For both Newton and

Einstein absolute time is really the absolute order of events determined by causality, and not the measurement of time. Time increase cannot affect work since input or source is inexhaustible nature but not, we filled fuel. Heat diverges in all directions, air converge

towards vacuum, Earth attracts all bodies towards it but we made their resultant force or action in our desired direction. Gravity and Atmospheric pressure exist always and continue to act on our modern designs like our ancient designs by Lallcharya, Bramha Gupta, Bhaskaracharya and many more. We have many trials on perpetual motion machines but Indian designs appear first. Entire world accepts perpetual motion machines belongs to India, though they are called Indo – Persian machines. Atmosphere and vacuum may be called atmospheric field. In Pdv or Vdp work with pistons connected with atmosphere, pressure difference and volume difference are designed to be constant. Resultant force is invariant to changes of time.

CONCLUSION

Impossible statements and prohibitions in patent offices on perpetual motion machines cannot control efforts pmm constructions and nature can generate or create like corona etc which is a living being. It is easy to create non-living or machines such as heat or perpetual motion machines which can work in necessities but not for forever. Everything is possible to nature and nothing is impossible. Nature free input or potential energy replaces costly carbon fuels. Indian reborn perpetual motion machines with Gravity, air and water become true.

1. Present designs satisfy working machines condition or 2nd law of thermodynamics. This has free source and sink with necessary intensity differences.
2. These are reversible machines with efficiency more than 50%.

3. Sources are nature forces and available all places all times, free of cost and inexhaustible to become Perpetual motion machines.
4. Nature forces are independent of time, hence can work long time on initiation.
5. Nature forces (input) = output (load+friction).

Construction of Perpetual motion machines are possible.

There are many supporting impossible statements on perpetual motion machines and Nikola Tesla statement is exactly represent Indian modern designs for perpetual motion machines.

One day man will connect his apparatus to the very wheel
work of the universe and the very forces that motivate
the planets in their orbits and cause them to rotate will
rotate his own machinery.

– Nikola Tesla.

Present machines do work against to natural forces like wind and Gravity but in these modern design's nature do work for us with low cost and protect our environment and peace.

COUNTER EXAMPLE FOR POSSIBLE PERPETUAL MOTION MACHINES NATURE MACHINE THEOREM

If nature forces become source, less intensity areas (sink) are arranged in a machine then nature forces act on it and make it as a Perpetual motion machine.

Example, Satellite, Gravity mill, Whirl wind wheel etc. we have infinite odd prime numbers 3, 5, 7... but only one even prime number 2. So, we cannot say all prime numbers are odd numbers. Similarly, we have infinite impossible Perpetual motion machine designs but now we have these possible Perpetual motion machine designs with evidence based or

practically proved science evidences with inexhaustible nature forces and less intensity areas. Edison 1000 attempts could not lighten the bulb, he did not conclude it was impossible. We cannot conclude Perpetual motion machines are impossible but now possible with these nature wheels.

Where the mind is without fear, there the head is held high TAGORE.

Survejana sukhinobhavantu Samasta sanmangalani santu
Asatoma sadhagamaya Tamasoma jyotirgamaya Mrutyorma
amrutangamaya Om santi santi santihi Upanishads.

Truth always triumphs (Satyamayva jayatae) India is the only nation with wheel on its flag.

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SCIENCE TRANSFORMATION FOR POSSIBLE PERPETUAL MOTION MACHINES

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ABSTRACT

Motion in conservative force field is independent of path, it depends only on initial and final positions. Galileo inclined plane motion in XY planes → Foucault pendulum motion in XYZ planes → Newton's first law > second kind of perpetual motion machine. This is the thinking process of our scientist's knowledge linkages to solve impossible prohibited problems but solutions for UN Decade of science and development. I cannot teach anything but I can inspire enthusiastic persons to continue or observe my thinking process in knowledge production using ladder and Anemometer and vacuum

Key Words: Galileo experiment, Foucault pendulum, Newton's first law and 2nd kind of perpetual motion machine.

Why don't our government review law (statements) of impossible Thermodynamics and patent prohibitions since many centuries? We have reviews on curriculum, text books and National educational policy is, we must consider it please.

INTRODUCTION, LANGUAGES

Changes in word meanings (a process called semantic shift) happen for various reasons and in various ways. Four common types of changes are broadening, narrowing, amelioration and pejoration. Latin adjective *nescius* (meaning not knowing or ignorant), nice arrived in English around 1300 meaning silly, foolish, or shy, over the centuries it is meaning gradually changed to fussy then refined and then (by the end of the 18th century) pleasant and agreeable. Trundgill observes that

none of us can unilaterally decide what a word means. Meaning of the words are shared between people – they are a kind of social contract we all agree to – otherwise, communication would not be possible.

Knowledge evolves over time through the exchange of ideas and the flow of knowledge across different disciplines and fields. This exchange of knowledge stimulates innovation and the emergence of new fields

SCIENCE

Science is the pursuit of knowledge about ourselves and the world around us. That pursuit of knowledge has also shaped the way we view the world, as has the application of knowledge. It has transformed our lives for the better. We live nearly twice as long today as our ancestors did in 1900 and the quality of our lives is far better than it was then. But the uses of science and technology are not shaped by science and scientists alone. They depend on interplay of cultural, economic, and political factors. Science is a triumph of human knowledge and we can all share in its excitement. At the same time, understanding it is many uses can help us be engaged in decisions that affect us all.

A scientific idea is an explanation of how something works or the truth about some aspect of the world that was figured out using scientific process. Science is how we make the sense of the world by collecting data and doing experiments. Scientific ideas changes over time as our evidence improves. But first and second laws (statements since they have neither formal nor experimental proofs) of Thermodynamics. In one sense all of them. You do not prove a scientific theory; you fail to disprove it and eventually accept it as best explanation of the universe there is now. proof is for booze. In another sense none of them. Scientific theories are explanation of natural phenomena that are well supported by evidence from observations and experiments and have predictive powers so that we you would know what to expect from different parameters. You do not reach the level of certainty

unless the theory is tested repeatedly until scientist gives up and accept it to be a working model of that part of the universe. And since that pretty much is the same as the colloquial non – Scientific Idea of prove' you could say that every idea that is accepted as a Scientific theory is proven in the colloquial sense of the word, or it would not be a Scientific theory at all. But this sense comes with a caveat every Scientific theory is a work in progress. To paraphrase Lt Rasczsk from the movie Starship Troopers "It's it until dies or we find something better" There is always a theory which describes the universe a little bit better, but that we have not found yet. We may still find use for the old theory though even though Einstein's general relativity is a better theory than Newton's theory of Gravity. Newton's theory works fine if you want to send satellites into space or rockets to the Moon. So, in those cases, you do not have to use general relativity, but if you want to have a very precise atomic clock in space, for instance in a GPS satellite, or you want to calculate orbits around very massive things like the planet Mercury near the Sun or you want to go at speeds near the speed of light, then Newton's theory is not enough. Then we must use general relativity. Similarly for high grade energy we use Newton's laws but not Thermodynamics impossible statements. But for low grade energy like heat, we can use Thermodynamics statements. They are not in use; they have been learning for marks but not for any useful purpose. But prohibitions in patent offices are more dangerous they spoil enthusiastic persons interest and affect other sciences like Mechanics and Vacuum Science etc. They became part in energy economics, Energy politics, Energy sociology and Energy psychology.

HOW KNOWLEDGE PROGRESS OVER TIME

Galileo's assumption that a released body from top of the inclined plane reaches to same height in opposite side like pendulum. If inclination is reduced in opposite side, it goes more distance and if inclination is reduced to 0 or 180 degrees, it goes forever or till it reaches the same

height, but reduction in potential energy and friction stops it. But it is true in Foucault pendulum. Results of these two motions becomes Newton's first law of inertia. Rest Foucault pendulum Bob remains in rest and initiated Bob remain in motion like our Earth or Moon. Similarly, a thrown body vertically up goes to height, its kinetic energy becomes zero it starts falling till it reaches the ground. If that body is on inclined unstable body, it tries to reach the ground but it cannot, it falls horizontally forever in our new designs 1 Satellite on the surface of the earth (Weight wind vacuum vehicle) 2 Gravity mill (Weight reflection) 3 Gravity gift power machine (Weight refraction) 4 Earned energy machine (Gravity interference) 5 Weight wind vacuum sky vehicle 6 Whirlwind wheel 7 Whirlpool wheel. In all these machines potential energy is converted to kinetic energy. These are already in use partially. These are based on evidences and practically proved. But for continuity we should arrange sinks or low intensity areas in them. They also in use. Ladder, inclined plane etc. These machines satisfy second law of thermodynamics or working machine condition. In whatever form energy exists work can only be obtained if the energy is present in a state of greater intensity in one part of the system and lesser intensity in other part of the system. Nature forces Gravity and Atmosphere become source (input) and less intensity areas (sink) are arranged in these modern designs. Intensities difference will become available energy. Nature forces are inexhaustible and sink can be kept as constant. Conservative force field changes are invariant to time changes.

Hence these can become second kind of perpetual motion machines. Nature forces come under high grade energy but impossible prohibition laws are applicable to low grade heat engines. In these machines there is less change in temperature (Vacuum or cooling) but they are negligible. These machines are like free fall machines.

FREEFALL, in mechanics state of a body that moves freely in any manner in the presence of gravity. The planets for example are in free

fall in the Gravitational field of the sun. An astronaut orbiting Earth in a spacecraft experiences a condition of weightlessness because both the spacecraft and astronaut are in free fall. Both experience the same Gravitational pull from Earth but the space craft doesn't ultimately fall to the ground, because it's forward velocity keeps it in orbit around earth. Gravitational forces are never uniform and therefore only the centre of mass is in freefall. All other points of a body are subject to tidal forces because they move in slightly different Gravitational field. The Earth is in freefall but the pull of the moon is not same at the Earth's surface as at its centre: The rise and fall of ocean tides occur because the oceans are not in perfect freefall.

TIME, events have a definite order based on their causal sequence, which cannot be changed. This is what Newton meant by absolute time, without making a direct statement. For both Newton and Einstein absolute time is really the absolute order of events determined by causality, and not the measurement of time which is the subject of ordinary observation.

CONCLUSION

Laws of Thermodynamics impossible statements which have no formal or experimental proofs are Coherence truths based on beliefs which are limited to low grade energy only. But the present modern designs can be verified, tested, and satisfied hence second kind of perpetual motion machines are possible and they do useful work only in necessities comes under empirical but not like planets motion forever. Science is an ever – evolving field, where truth is relative.

Motion in conservative force field is independent of path, it depends only on initial and final positions. Galileo inclined plane motion in XY planes → Foucault pendulum motion in XYZ planes >Newton's first law >Second kind of perpetual motion machines.

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Chapter 02

Science Difficulties and Duties

1. What We Sow, So We Reap
2. Modernization of science
3. Environment protection
4. Sustainable Development Designs for Peace

Man is born to conquer nature and not to follow it.

– Vivekananda

The secret of freedom lies in educating people where as
the secret of tyranny is keeping them ignorant
(Forced to learn impossibles).

– Maximillien Rabespierre

Awake, arise and stop not till the goal reached.

– Vivekananda

■ **WHAT WE SOW, SO WE REAP**

ENERGY IS ETERNAL DELIGHT WITH ENERGY TRANSITION (CITIZEN SCIENCE)

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ABSTRACT

Where there is a will there is a way and A pessimist sees difficulty in every opportunity, An optimist sees opportunity in every difficulty. Patent offices and many higher authorities became pessimists on Perpetual motion machines, enthusiastic persons are optimists on perpetual motion machines. According to Bhagavad Gita 3.35, It is far better to discharge ones prescribed duties, even though faultily than another's duties perfectly. Destruction in the course of performing one's own duty is better than engaging in another's duties, for to follow another's path is dangerous. When a research project has predetermined results, it suggests that the outcome is not genuinely derived from the data or analysis, but rather imposed or anticipated before the study even begins. Rigorous Research should always aim for objective and unbiased findings. Science is always changing but patent prohibitions are not since many centuries and no reviews on it. No research on perpetual motion machines or renewable energy with nature forces. Knowledge which recognises the undivided and imperishable existence in all the innumerable diversified forms, which realises the unity underlying the diversity of phenomenal existence is regarded as sattvic. The principle of unity in diversity cannot be recognised either by the senses or the mind. It can be realised intuitively only by a purified intellect. Such intuitive knowledge is Sattvic. (Bhagavad Gita 18.20). Perpetual motion machines need inexhaustible sources like natural forces Gravity, Atmosphere

and Stored water dams without gates. will become input without change with increasing time. Satisfy time invariance principle. Energy can't be created or destroyed but it can change from one from to other resembles Bhagavad Gita chapter 2.16 to 2.28 and chapter 18.20 to 18.22. Atma or soul can't be burnt by fire, water can't wet it but it change bodies while death and birth. Law of conservation of energy and Bhagavad Gita Slokas have no scientific proofs but they keep us in tamogun. Energy= Soul, Tamas means darkness. BG 28.20.to 18.22 knowledge shows us how we are, what is our knowledge strength that is ignorance, laziness or inertness, Do we need this ? Let us reconsider on this knowledge for our survival from prohibitions and impossible discussed with theorems.

Keywords: Nature wheels machines, Safety, Perpetual motion machine, Nature forces (fuels) vehicles.

INTRODUCTION

Pollution: An desirable change in the physical, chemical or biological characteristics of natural environment, brought about by man's activities. It may be harmful to human or non-human life. Pollution may affect the soil, rivers, seas, or the atmosphere. Similarly we have many religious stories. HALA HALA: Hala or kalakuta a black mass or time is the name of poison created from the sea when Devas Dietes and Asuras demons churned it. (Samudra Manthan) in order to obtain Amrita. the nectar of immortality. Lord Shiva choose to consume the poison and thus drank it. His wife the goddess Parvati was alarmed as she gripped her husband's neck with both hands in order to stop the poison thus earning him the name vishakanta (the one who held poison in his throat). He was later saved by Mahavidya tara a form of parvati. The poison throat blue like bluish hence he is also known as Neelakanta. Pallikondeswara temple Suruta palli. The presiding deity pallikondeswara unlike other Shiva temples will by reclining posture in lap of his consort Parvati.

EDUCATION AND UNDERSTANDING

LORD GANESHA WROTE MAHABHARATA as it was recited to him by the sage veda vyasa. According to the life hacker, this was done on the condition that vyasa wouldn't stop while writing, besides the condition that Ganesha would not merely write it but also understand every versa of it. popular legends say that it took both of them three years of continuous speaking and writing to complete the impossible epic. This shows the power of sound and this is an example of our learning skills like look, listen, speak, read (understand) write knowledge. Knowledge can transfer from one generation to the other in this way. Together we can change impossible to possible. The goal of Education is the advancement of knowledge and the dissemination of truth

SUDARSHAN CHAKRA: We have many stories on generating Sudharsana chakra. Sudharsana chakra was created from the Sun rays, Viswakarma the architect of the cosmic god's had married his daughter Samjana to Suryadev. However to the intense heat of Surya, samjana was unable to look at him and was neither able to approach him Samjana told this misery to her father Viswakarma, on hearing this request Viswakarma decided to lessen suryas shine. He collected Suns dust and made three objects one was Lord Shiva's trishul, the next was Pushpak vimana and the third was Sudharsana chakra a vital weapon for protecting the law by Vishnu. Similarly we need tools to do our works. It is named as perpetual motion machine. A wheel in science may called a perpetual motion machine which was designed in India by Brahma Gupta in seventh century AD. It was propagated by persians, now it is called Indo Persian machine like Indo Arabic numbers. The Asoka chakra is the wheel that denotes movement a way forward to peace progress and prosperity. Indian National flag, only flag in the world with wheel on it and an indication how wheel is immersed in Indian culture. An Innovator, A GAME CHANGER book consists of wheels, sustainable designs, a way forward to peace progress and prosperity.

GOVARDHAN GIRI PUJA: Lord krishna didn't accepted to give animal killing sacrifices with a fear to lord Indra. But pray the nature GOVARDHAN GIRI which gives them all the affection, love and make it useful and lifted the Govardhan giri to protect people and animals from Lord Indra destruction and suppressed Indra ego and said Dharma samstapnardhaya sambhavami yuge yuge. To delete false beliefs I will born again and again. He advised not to follow superstitions. If it is in the science it will become more dangerous. Laws of Thermodynamics or impossible statements may be a great obstruction to progress. An idea can change the world, but a policy can destroy world for many centuries. Give me a base I can lift the earth, Archimedes.

The notion of sustainable development's is not new to India. Through the preaching of great saints like Mahavir, Buddha, Asoka and Gandhi, the concept of sacrifice for others became the integral part of the Oriental philosophy. The Sufis and Moulanas have also contributed to this Indian philosophy of overcoming greed and desire. The inherent strength of this philosophy has helped the Indian civilization survive and thrive over 5000 years without invading or colonising other countries. Though in its long History although being invaded many times, only the British_via the introduction of the western science-- were able to impact the life style and production system of this old civilization. Present science taught key sectors of the Indian population how to exploit and dominate nature, pre British India believed in co-existence with nature where agriculture, production system, transportation, social and religious events were all planned as per the weather cycles, Oriental science respected nature. But modern science taught how to mine coal and crude, build bridges and dams., pump out underground water to produce hybrid grains during half season, genetically modified plants etc. With in 200 years of the application of these forms of new knowledge, a country with 5000 years of sustainable existence is now desperately searching for a viable model of sustainable development to rescue itself from the current environmental also economic mess.

ENERGY

The scientific definition of energy, we might look back to Aristotle for inspiration stated simply energy is a condition that describes the capacity to do work. Energy linkages. Energy is a principal prerequisite for basic human needs. Energy is a major source of environmental stress. Energy is a key motor of macroeconomic growth.

Science of climate change. Climate change is a fast emerging science involving physical biological and social sciences. There has been an explosion of literature on climate science and policy. There are three broad categories scientific assessment.

Working group

- i) The science of climate change Climate modelling and projections.
- ii) Impacts, vulnerability and adoption to climate change.
- iii) Mitigation and policies. In order for many specific technologies necessary for a sustainable energy future to be commercialized, governments should adopt multi-lateral technology research and development programmes which Encourage holistic systems level processes and technologies that support integrated resource efficiency, pollution prevention and industrial Ecology.

These emerging concepts and techniques may require creative public private partnerships. Maintain government investment in technology research for future energy source options that have not reached the commercial stage but the most promise for long term economic, environmental and national security gains. Encourage academic and private sector technological research. Brundtland commission defined sustainable development “Development that meets the needs of the present without compromising the ability of future generations to meet their own needs”.

WHAT WE SOW, SO WE REAP

CHEMISTRY: The science which studies the substances (Elements) which make up the Earth, universe and living things how these substances combining with each other and how they behave under different conditions

PHYSICS: The science concerned with the study of matter and natural forces such as light, heat, movement and energy. These are well established sciences. These sciences along with Galileo scientific method could not prevent patent prohibitions on perpetual motion machines. But they may have misunderstood concept about Nature laws with patent prohibitions on perpetual motion machines. These prohibitions are based on experience and impossible statements which have no formal or experimental proofs. These prohibitions are for low grade energy like heat engines but are applied to all machines. These negative statements discourage researchers not to do further investigations on it. Prohibitions prevent hypothesis, research and well developed sciences to act on it. But we have Bramhagupta 's perpetual motion machine design and Sudarshan chakra (Religious belief) or hypothesis can be developed and tested. Science with out religion is limp and religion without science is lame is true in this perpetual motion machines case. Impossible may be base for possible. No significance to possible without impossible. Absolute true (right) and false (wrong) don't exist in the values of those who have understood the science or those who have followed the concept of relativity. In ancient times they had either true or false similar to either possible or impossible. Such thoughts continued from Aristotle to DAVINCI, NEWTON and Leibnitz. These confirmation leads to deviate Thermodynamics laws and several impossible statements raised which further deviated the facts on perpetual motion machines. Since the narrators of impossible statements ignored the quality of modern science. According to modern science we have no absolute truth but we have only partial truths. So those impossible statements

are also partial truths. They can be ignored. Challenging word like impossible inspires some thinkers to think and solve such problems, though impossible statements are partial truths but these narrators efforts are appreciable. We have counter example as a research method in Mathematics. 2 is even prime number. Similarly Whirlwind wheel will become one possible example for perpetual motion machines. Research is directed toward the solution of a problem. Research involve gathering new data from primary or first-hand sources or using existing data for a new purpose. Research involves the quest for answers to unsolved (impossible) problems. Pushing back the frontiers of ignorance is its goal and originality is frequently the quality of a good research project.. Research sometimes requires courage. The history of science reveals that many important discoveries were made in spite of the opposition of political and religious authorities but unfortunately Science (science accepted science superstitions) oppose perpetual motion machines. Applied research has most of the characteristics of fundamental research. Perpetual motion machines research is also fundamental research.

ENERGY

A measure of systems ability to do work. Like work itself. It is measured in joules. Energy is conveniently classified into two forms. Potential energy is the energy stored in a body or system as a consequence of its position shape or state this includes gravitational energy.. Kinetic energy is the energy of motion and is usually defined as the work that will be done by the body possessing the energy when it is brought to rest. Conservation law A law stating that the total magnitude of a certain physical property of a system. such as its mass, energy remains unchanged even though there may be exchanges of that property. This is known as first law of Thermodynamics. All natural processes confirm to this law, but not all processes confirming to it can occur. Most natural processes are irreversible.that is they will

proceed in one direction. The direction that a natural process can take is subject of the second law of thermodynamics. Conservative force field A field of force in which the work done in moving a body from one point to another is independent of the path taken. The force required to move the body between these points in a conservative field is called a conservative force. The seeds we sow through our thoughts, words, and deeds set in motion a series of reactions that eventually return to us. (Bhagavad Gita verse 4.11). The word manifestation means to turn an idea into reality. people generally talk about manifestation as the process of using thoughts, feelings and beliefs to bring something into reality, but given the science behind manifestation, it seems important to also include actions as key part of manifestation process. A growth mind-set can help you manifest your dreams and reach your goals. Science suggests that our beliefs bring about behaviours (and responses from others) that lead to the outcomes we desire. Upward spiral of positive emotion may explain manifestation success.

MATHEMATICS AND PHYSICS

1. **THEOREM:** If infrared signals are transmitted from vehicle A front part to recover in vehicle B front position receiver receives, put on electric magnet and stop the vehicles before five to ten feet distance in between them then accidental effects decrease. Vehicles A and B have transmitters, receivers and electric magnets to apply brakes. (Road safety – peace)
2. **THEOREM:** If vehicles approach nearer, initially they touch the net fluid or air pillows in the position, transfer accidental forces to brakes, cut fuel supply and stop the vehicles then accidental effects decrease and inertia compress shock absorbers. Vehicles A and B have air pillows, Shock absorbs and force transfer tools. These arrangements in every vehicle should be made mandatory. (Road safety – peace)

WEIGHT WIND VACUUM VEHICLE

1. **NATURE WHEELS MACHINE THEOREM:** If nature forces become source input and less intensity areas sink are arranged in a machine then nature forces act on it and make it as a Perpetual motion machine.
2. **THEOREM:** If weight rests on an inclined plane (Hallow right angle isosceles triangle shaped body with fixed wheels at its base) body on inclined plane weight force reflects horizontally since angle of incidence is equal to angle of reflection then gravity bring the body into motion like a reversible machine along the surface of the earth.
3. **ATMOSPHERE VACUUM THEOREM:** If low pressure area sink is arranged in a cylinder with convex shaped body in front and concave shaped body to the piston in back with obstruction rods then pressure and shapes difference make it to move along the surface of the earth like a reversible machine. 5&6 become Weight wind vacuum vehicle.
4. **THEOREM:** If inclined weights are fixed to wheel then unstable weights make it to rotate for power generation.
5. **GRAVITY GIFT POWER MACHINE THEOREM:** If unstable conservative central force potential energy of the upper vertically falling toothed wheel (cam) body is greater than non-conservative force then the resisting lower toothed wheels (or follower,) rotary motion of the falling body persists by rotating toothed wheel due to refraction for power generation.
6. **EARNED ENERGY MACHINE THEOREM:** combination of two mutually perpendicular forces or simple harmonic vibrations of the equal frequencies results a circle of radius R. If raising body plus fly wheel or armature mass is more than falling body mass then rotation persists as vertical circles as long as gravity acts on it.

7. **EARTHQUAKE ALARMS AT HOMES THEOREM:** If earthquake vibrations complete the circuit then alarm alert us for survival.

PHYSICS AND CHEMISTRY

1. **Noise suppress theorem:** If noise waves are made to fall on freely rotatable cups, noise rotates the cups and convert as mechanical energy then noise pollution suppress and decrease gas velocity. Low velocity gases can easily be captured in a fuel tank size tank to convert as water gas for reuse.
2. **AIR – VACUUM REACTOR THEOREM:** If permanent vacuum is arranged in a cylindrical shaped body fixed with six or more even number pistons with bores to its sides like a regular hexagon and connected to an axle at its centre then atmosphere and water push the obstructed pistons inwards and keep the cylinder in rotation with outside high pressure as long as there is pressure difference like spokes coverd Anemometer cups since nature abhors a vacuum (Negative Gibbs free energy).
3. **WATER – VACUUM REACTOR THEOREM:** If permanent vacuum is arranged in a cylindrical shaped body fixed with six or more even number pistons with bores to its sides like a regular hexagon and connected to an axle at its centre then atmosphere and water push the obstructed pistons inwards and keep the cylinder in rotation with outside high pressure as long as there is pressure difference like spokes coverd Anemometer cups since nature abhors a vacuum (Negative Gibbs free energy).
4. **TRANSPORTATION IN THE SKY WITH VACUUM THEOREM:** The lift of the ships one of the buoyancies and this is derived from the difference between the density of the atmosphere and that of the lifting gas or vacuum contained by the air ship. Different shapes with high and low drag coefficients and

difference in densities inside vacuum and outside atmosphere with vectors lift it then motion is possible in air and water.

5. **WATER TRANSPORTATION IN THE SKY THEOREM:** Heating ocean surface water near land evaporates water and sea breezes push them to the land then we will have artificial rains.

CONCLUSIONS

History of science remind us our ancestors Cultural heritage on perpetual motion machines. India has both formal and experimental designs for perpetual motion machines. Deva Ramanand formal proof.

- Force can cause motion
- Weight is a force, therefore
- weight can cause motion
- Weight last forever, therefore, motion will last forever
- Hence the perpetual motion.

Brahmagupta's 624 AD design be the first design for an experimental proof. present science has neither formal proof nor experimental proof. But we have patent prohibitions with misunderstood failures. Patent prohibitions destroy belief on science, prohibitions means no thinking, no hypothesis, no research and no science at all. In this it is true that science with out religion is limp and religion with out science is lame.we can't support science and religion but perpetual motion is beyond the sum of scientific dogma, scientific laws it's philosophy and it's dependence on scientific method. perpetual motion is the unstoppable journey to the absolute truth. Truth can never die so the idea of perpetual motion has perpetuated forever. This will be the base for Education reforms on patent prohibitions. Let us enjoy nature boons with five elements Earth, air, water, sky or vacuum and fire.

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MODERNIZE SCIENCE TECHNOLOGY AND INDIA/ WORLD

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Human beings were trying to control nature to achieve human welfare. For this They were observing nature carefully and trying to understand nature. In these activities human beings found the means to get the things and the goods needed for them from nature. Thus understanding of nature led to useful applications¹. This human endeavor in fact enriched man's knowledge and also lead to improve methods and techniques for satisfying his needs. The everlasting enquiry of nature and using the understanding derived from this enquiry to control and use nature for the Welfare of human beings can be called science. This process of enquiry of nature is known as a scientific process. The scientific process may be broadly called the history of science. It is surely a narration of an ongoing interactive activity between science and Society. It is a story that tells us how social and economic issues of a society are associated the inventions and innovations. As the saying goes, the saying that necessity is the mother of invention. Innovations generally lead to social stability and stability unfortunately leads to stagnation. This stagnation does not allow radical changes in society. But society must always be conducive to rapid changes. The general observation in the past was that the changes were rapid in a particular period of time and slow in a different period of time in the same society. The social cultural and economic conditions of a given society in the said time were probably responsible. Thus the history of Science can be taken as the story of human life human sufferings, struggles and strengths. It is a story of interaction between science and other dominating forces in human society. We are living in an era of Science and Technology. Both have received ascendancy in almost all

the modernized nations of the world. Even in the economic backward countries the longing for science and scientific achievement persists scientific and technological achievements have become the measuring rods to assess the strength of a nation today. In fact the control of information, especially scientific and technological information. is a source of prestige and power in all post industrial societies. Especially in the beginning of the 21st century nations that are doing well in the fields such as computer supercomputers, information technology telecommunication etc. are regarded as the most modern scientifically and technologically advanced Nations. India which is regarded as a fast developing Nation too has started giving more importance to these subjects of great scientific importance in its educational system. Science is a major institutional sector of modern societies a hallmark of the modern social order is the conduct of scientific research in Universities and other research organizations².science and Technology has therefore become an increasingly important sociological specialty. Science has become a part of modern life. Any modern societies existence today depends really very much in the advances of scientific knowledge and its Technological Applications to fields such as computers telecommunication satellite launching life saving drugs automobiles and so on. Not only our physical existence depends on science and technology but even our world view has radically changed for the past century by scientific thought. Every conception of subjects such as Physics Biology medicine astronomy has been altered. Our vision of the future lives round Science and Technology and the question how they will be able to transform our future way of life.

Meaning of Science and Technology

Science can be understood as the study of physical and social phenomena where this involves observation experiment appropriate quantification and the search for universal general laws and explanation and science is a body of knowledge about the natural

world. Methods for discovering such knowledge and social institution organizers around the world are both. Pure science is interested in the acquisition of theoretical knowledge. Applied science is concerned more with the task of applying theoretical knowledge for human equality and service.

CHARACTERISTICS OF SCIENCE

Factuality: Science is not based on imagination. It is based on facts observed phenomenon itself. It may be about a thing, an event measurement etc. Any statement which is true can be described as a fact. 2 causality; science tries to find out the causal relationship between the events or things in other words, it explores causation. Causation states that the occurrence of events is determined by cause – and effect relationships. Causation assumes that events do not occur in a random fashion it also assume that events are associated in a one way relationship. The function of science is to uncover laws of cause and effect relationships 3 UNIVERSALITY:Scientific findings or truths or laws.are expected to have Universal validity. They are not supposed to be limited to any race, nationality, religion or region, social class or political ideology. 4 PREDICTABILITY; refers to the foretelling of an event are set of events.prediction is generally understood as foretelling or making a statement about the future It is an estimation of what the future will look like. Making prediction is one of the tasks of science. Physical scientists make predictions about earthquake rainfall, cyclones eclipses and so on. 5 VERIFIABILITY; Science is based on verification principle. According to this principle, a proposition or hypothesis or statement can be accepted as scientific, only if it is verifiable. Verification refers to any procedure regarded as establishing the truth of a proposition or hypothesis. To verify a statement is to provide evidence generally of an empirical or observational facts for believing it to be true 6 OBJECTIVITY AND NEUTRALITY; Science expects scientists to be objective. Objectivity implies for absence of bias in making or interpreting observations. Objectivity means interpreting

the facts in such a way that our personal judgments are eliminated from them. A scientist should allow facts to speak for themselves. He should not attribute his personal views to them. 7 INSISTENCE ON THE SCIENTIFIC METHOD show the characteristics of science. Scientific Method can be understood as a systematic and organized series of steps that ensures dependable results in researching a problem with maximum objectivity. Scientific method refers to the building of a body of scientific knowledge through observation, experimentation, generalization and verification.

Meaning of Technology: Horton and Hunt; technology is the scientific discoveries to solve practical problems. WILLIAM KORNBLUM; technology which is an aspect of culture can be defined as the use of tools and knowledge to manipulate the physical environment in order to achieve desired practical goals.

Technology refers to the practical application of knowledge and use of techniques in productive activities in simple words. Technology refers to the practical application of knowledge about nature's social process of innovation.

Science has become a part of modern life. Science is not stagnant ever growing. Scientists are always look at work to explore new horizons of knowledge. Scientific enquiry is an unending process. The object of scientific enquiry is innovation that is discovery of new knowledge. This innovation is neither automatic nor accidental. It is product of deep thinking, careful observation and systematic activity. Innovation does not simply occur in a random fashion science is not just the creation of few curious and inquisitive individuals. It is a social institution and is subject to influence of social forces both within and beyond the scientific community The social forces that influence science not only given the growth of science but also strongly affect both the rate and the direction of scientific innovation. Science is not a matter of study accumulation of knowledge All scientific enquiries need not

necessarily lead to success. New theories are proposed, some of the existing ones are still used while some others are abandoned. The existing knowledge at any period is only provisional, never final and irrefutable. In fact Karl Popper, one of the philosophers of science, is of the opinion that it is never possible to prove anything in Science with absolute finality. He asserts that there is always a possibility that an exception will be found to every scientific law. All that we can do is disprove hypotheses and scientific knowledge consists entirely of theories that are not yet disproved all the one day they might be.

Resistance to scientific innovations

Innovation is an essential aspect of science. Growth of science hinges more and more on innovations. But the history of development of science reveals that innovation has not always been encouraged and welcomed. On the contrary it is often resisted. As THOMAS KUHN points out, resistance to radical innovation has been the norm rather than the exception in the scientific community.

The two terms Science and Technology are very often used interchangeably in our ordinary speech. Though these are very much interrelated they are distinct phenomena as such. Hence the difference in meaning of both must be properly understood. Science and Technology are interlinked. Main differences between the two can be noted below.

The Goals of Science and technology are not one and the same. Science is concerned with the pursuit of knowledge about nature, whereas technology is concerned with putting the knowledge of nature to some use. When scientific knowledge is applied to the problems of human life, it becomes Technology. Technology is systematic knowledge which is put into practice, that is to use tools and run machines and to do such other things to serve human purposes. Science is theoretical knowledge whereas Technology is practical knowledge. BASIC AND

APPLIED RESEARCH; The difference between science and technology is also expressed in terms of the difference between basic Research and applied research. Basic research science which corresponds to science aims at merely increasing the quantum or sum of knowledge. Applied research which corresponds to technology on the contrary aims at finding technological applications for scientific knowledge. 2. Technology is much older than science. Every society has at least a simple technology, even if it is limited to such techniques as making stone implements, bows and arrows, fire building, making crude boats such as canoes etc. All primitive people have some body of practical knowledge on which their technology is based. But this kind of knowledge is not Virtually science On the contrary, such knowledge is derived from earlier trial and error experience and not from an understanding of the abstract principles involved. The cave dweller for example, does not know why fire burns and why some substances burn while others do not, how water or sand extinguishes fire and so on. 3 Technological innovation may precede scientific investigations. People in all societies, whether they have scientific knowledge or not, have always needed to find out better ways of doing things or ways of making their lives more comfortable. Technological innovations have met these needs for thousands of years. In fact, technological change proceeded without the benefit of scientific knowledge for the bulk of human history.4 Science or scientific knowledge is not universal. Science is not the inborn trait or inherited quality of all persons. Hence all societies may not have a tradition of science. On the contrary, technology however crude is found in all societies. Even the stone age people had their own crude technique of using stone implements and sharpening them. Science very rarely appeared in human societies in the past. Because, scientific knowledge requires a proper and a systematic understanding of the principles that underlie natural events. Advanced technology is possible only by a proper scientific understanding of the world. Understanding of science and principles is not that simple. Satellite cannot be launched. Atomic

reactors cannot be built and nuclear bombs cannot be manufactured, for example without the precise knowledge of the relevant scientific principles 5 Science and technology together support modernization. Only the close link between scientific and technological development can accelerate the modernization close link between science and technology which take for granted today recent development set by the discoveries of modern science, technology rapidly expanded the human capacity to live in and exploit different habitats. In the past two three centuries it has changed the face of the earth. Big dams, International Airport, Supersonic rackets, supercomputers, satellites big ports, super Highways, atom bombs etc. are all the products of technology that have transformed our surroundings in which human beings live and work. It is in this relationship between science and technology that is responsible for the breath taking speed for technological change in our society.

Scientific research is subject to the scrutiny of others. In fact it is a part of the research itself. The results of the research are to be verified by others. Scientists who falsify research results in order to make a name for themselves clearly violate this norm and threaten the credibility of scientists in general, science is, in a sense, self policing. The norm of disinterestedness however does not imply that scientists cannot and should not hope to profit from their findings. On the contrary, scientists may legitimately hope that their work will be recognized and praised by the scientific community. There are many instances in which scientists have held lucrative patents for their discoveries. Though he is entitled to obtain award in terms of recognition or in other approved means, his main interest should be to contribute to the sum of scientific knowledge. In other fields for example, say in business or in politics – it is almost expected that people will distort facts to serve their own ends but in the scientific community the dishonest manipulation of the data or any other fraudulent practice is intolerable. The norm of disinterestedness has also been violated. Some instances of scientific fraud have become notorious. Some

states have taken advantage of the general public's lack of scientific knowledge to spread the scientific misinformation on such matters as racial purity as in the case of perpetual motion machines. Norms of science or not always obeyed. Commenting on the norms of science, sociologist RK Merton says that as long as these norms are obeyed so long the scientific knowledge will accumulate. If norms are violated, scientific enquiry will suffer but the bitter fact is that norms of science, like any other type of norms, are broken. Examples the norms of disinterestedness is also violated for the scientists may prove to be as greedy or ambitious as anyone else. The norm of organized skepticism is also violated, probably more frequently than the other types of norms. Scientists after all human beings have their own private values and prejudices, and may be unwilling to give up old ideas to accept new ones.

QUEST FOR PROSPERITY FOR ALL

The primitive society changed when fire and agriculture were discovered. From this stage the developments in Science and Technology took place step by step Up to this present status. Robot Technology, biotechnology, computer science and space exploration indicate Some paths through which the future societies in developing countries are likely to traverse in the 21st century. The great production system supported by the great and intricate trade and transport systems developed by many countries have brought people and countries much nearer than man expected. Every developing country is thriving hard to develop its own infrastructure for the development of science technology which provides prosperity for all¹. Technology as a tool of dominance. In any country technology plays a significant role in that country. It is therefore essential that every country shall develop its own technology which is relevant for its cultural background. But most of the developing countries are not in a position to develop their own Technologies on account of the lack of the required human resources and the financial resources. Therefore the countries are forced to import

technology from the developed countries. Unfortunately all developing countries including India at the slightest necessity import Technology know how machines or the equipment at time such needs can be produced indigenously. Economic conditions or cultural requirements still are compelling many developing countries to produce and use materials from Natural sources such as cotton oil vegetables etc. but the developed countries are spending lots of money and synthesizing substitute for these. In many instances this will naturally displace the equivalent products obtained from Natural sources such as cotton etc. This naturally leads to domination of the affluent Nations. In the quest for comfort man has strived to develop Science and technology from Prehistoric days. Another most important invention was the wheel. The wheel was the crowning achievement of prehistoric carpentry, it is the precondition for modern machinery and applied to transport, it is converted the sledge in to a cart of wagon. The direct ancestor of the locomotive and the automobile. The wheel served two purposes. It's vertical use brought in qualitative change in transport and communication. It's horizontal use qualitatively transformed the pot industry. By adopting the wheel the potters increased the efficiency of their world and their productivity. The use of the wheel gave their products the symmetrical character which It has not had before. with the invention of wheel, man's progress became accelerated and diversified.

Wheel + Fire = TRAINS, BUSES, LORRY, CAR etc Thermodynamics

Wheel + Air = AERO PLANE, WIND MILLS etc Aerodynamics

Wheel + Mercury Weight, Earth = Perpetual motion machine, Ancient Indian designs

Wheel + Weight = Perpetual motion [Weight = Air Weight = water weight =, Solid bodyweight] Modern Wheel + Air weight, Earth = WHIRLWIND WHEEL,

Modern Wheel + Water weight, Earth = WHIRL POOL WHEEL

Wheel + Solid body weight, Earth = SATELLITE ON THE SURFACE OF THE EARTH. Modern.

INDIAN TRADITION

Science and Technology advanced greatly in ancient India. The progress made in the field of astronomy and medicine is praise worthy. Ancient Indian Medicine namely Ayurveda is still in use in many parts of the country. Science technology and culture so intimately related to each other that they cannot be separated from one another. They can not exist without one another. Astronomy was the chief concern of Indian scientists. These figured as vedangas Astronomy in India as in other civilizations was inseparable from astrology. In fact astronomy (jyotisha) was divided into Siddhanta (astronomy proper) samhita (collective astrology predicting occurrences affecting an individual) The intimate relation between astronomy and astrology is found everywhere. It is to be noted that one of the distinguished astronomers of Modern Times, Kepler was also an Astrologer. He developed an astronomical system to assist him in his astrologer pursuits. Astronomy in India originated in the vedas as vedanga. Indeed yajurveda speaks of stellar constipations and planetary motion. The most important of whom were Aryabhatta varahamihira and Bhaskaracharya The history of Indian astronomy is characterized by development of five schools of astronomy.

These are 1. Bramha or Pitamba 2. Paulisha Siddhanta 3. Romaka Siddhanta 4. Visita siddhanta 5. Saurav Siddhanta.

MATHEMATICS

The Indian astronomers considered mathematics to be an essential tool for aquiring astronomical knowledge. It is no wonder they developed the science of mathematics to very high degree. The sophistication and the depth of the mathematical knowledge of ancient Indians are almost unparalleled in the HISTORY OF MATHEMATICS. Surprisingly,

Bhaskaracharya discusses in his Siddhanta Shiromani the method of some trigonometric calculations. It is also surprising to know that bhaskaracharya has very good knowledge of Calculus for the birth of which Europe had to wait for another 500 years. India had developed a system of mathematics superior in everything except geometry to that of the Greeks. The earliest reference to a perpetual motion machine dates back to 1150, when Bhaskara II described a wheel that he claimed would run forever. World has been wanting or waiting for perpetual motion machines for nearly 870 years. It is the value of Indian heritage or Indian traditional knowledge. Ancestors searched for two 1 alchemy and 2 perpetual motion machines. Finally Alchemists could convert an element to other such as Mercury to gold. But unfortunately perpetual motion machines were suppressed by mining investors and transport necessities. No investor on perpetual motion machines and the laws of impossible statements in thermodynamics became a bane on perpetual motion machines. But now existing energy which is polluting our environment and creating many health problems along warning, world is converting for non conventional energy sources. World now trying for construct perpetual motion machines. This is a good initiation by our Indian ancestors. Prohibited impossible thermodynamics laws on perpetual motion machines are not suitable to any of the physical science methods. This laws are based on failure attempts or experiences Edison failed many times in inventing a light but he did not conclude light invention is impossible. We have many odd prime numbers and world didn't conclude all prime numbers are odd. We have one counter example, 2 is even prime number. International Universities are conducting competitions on perpetual motion machines. Lock haven University said perpetual motion machines is the way to go for energy independence.

ENERGY RESOURCES

Air, Water, food and energy are important and vital need for the sustenance of life on this planet, earth. The energy demand or need

of a country is taken as the index of the development of that country. Energy resources are broadly classified into two categories.

1 conventional and 2 non conventional energy sources. For example cow dung, wood, coal, kerosene, petrol, Oil, gas, biogas etc. come under the category of conventional energy sources. Solar energy, atomic energy, tidal energy, wind energy, geothermal energy etc. are classified under the category non conventional energy sources Wind energy: wind currents can also be harvested into mechanical energy for uplifting water from the well or from rivers.

The devices used for the purpose are called wind mills. These are fan structures and these fans are rotated by the forces of the Wind. These can also be used to run generators for production of electrical energy. The coastal and hilly areas are more suitable for harnessing wind energy. India has also installed many wind mills in recent times. But all these are not sufficient to the present demand. Many nations are importing fuels that leads to more dependence on other nations.

CONSERVATION OF ENERGY

The principle of the conservation of energy, of which mechanical work, electricity and heat are only different forms, was the greatest physical discovery of the middle of the 19th century. It brought many Sciences together and it fitted very well into the trend of the times. Energy became universal currency of Physics – the gold standard, as it were, of changes in the universe. What had been established was a fixed rate of exchange between the different energy currencies; between the calories of heat, the foot pounds of work, and the kilowatt – hours of electricity. The whole of human activity – industry, transport, lighting, ultimately food and life itself – was seen to depend on this one common term: energy. PERPETUAL MOTION MACHINES ARE FOR CONVERTING NATURAL RESOURCES IN TO ENERGY FOR HUMAN USE.

INDIAN TRADITIONAL KNOWLEDGE SYSTEM

Perpetuum mobile concepts 1

In ancient Greece we see no evidence of interest in perpetual motion³. Greek knowledge of mechanism developed as evidenced by the Antikythera mechanism and by Herons automata. Natural resources of power like water wheels and the labor of slaves were sufficient for the needs of Greek society. Mechanical ingenuity was channeled towards construction of mechanical toys and temple automata. These often had the appearance of being self-moving, but were powered by hidden power sources such as falling water or sand. Roman authors did not mention any attempt to construct a perpetual motion machine. However only a few texts about technology from 2000 years ago have survived. The idea perpetual motion originated in the orient. The first description of a perpetual motion machine was found to be made by the Indian mathematician and astronomer Bramhagupta in 624, In his Brahma Stupa Siddhanta, he describes a perpetual motion device “Make a wheel of light Timber, with uniformly hollow spokes at equal intervals. Fill each spoke up to half with Mercury and seal its opening situated in the rim Set up the wheel so that its axle rests horizontally on two upright supports Then the mercury run upwards (in some) hello spaces and downwards (in some other, as a result of which) the wheel rotates automatically forever. (transl S. R Sharma) The SISYADHIVRDDHIDA tantra by the Indian astronomer Lalla written in 748, is the next treatise, where a comparable perpetual motion machine is described. Lalla also refers to a wheel with hollow spokes partly filled with mercury. Around 1150 the Indian mathematician and astronomer Bhaskara described in his Siddhanta shiromani a wheel with containers of Mercury around its circumference. He says this machine rotates with great power because one side of the axle is closer than the other. Apparently this would cause continual unbalance to sustain rotation. Supposedly he didn’t build and test the device and many other authors did not make this final step as well.

Since the 12th century, the principle of this machine was frequently incorporated into other perpetual motion proposals, and became part of the history of Technology. Even today inventors propose variants of this over balanced wheel complicated designs containing wheels with eccentric levers and masses attached to them. Perpetual motion machines based on wheels with attached eccentric masses, shifting masses or containers filled with liquid are called Indian, Persian or Arabian perpetual motion machines like Hindu Arabic numbers.

As per our Indian constitution part IV A (51A) (f) To value and preserve the rich heritage of our composite culture (g) to protect and improve the natural environment and to have compassion for living creature. (h) to develop the scientific temper, humanism, the spirit of enquiry and reform. But thermodynamics impossible statements and patent offices prohibit perpetual motion machines. The impossible statements have no proofs hence it may not be correct to discourage perpetual motionists and teach them in syllabus. It will decrease our students' scientific temper. Let us recollect and regain our Indian ancestors scientific heritage and continue our efforts for perpetual motion machines which can give us economic independence.

RESEARCH AND DEVELOPMENT

Jugaad: A flexible approach to problem solving that uses limited resources in an innovative way. Development research takes into consideration existing knowledge and employs towards producing new materials, products, devices, installing new processes systems and services or improving existing ones substantially. Development research results in design and actualization of prototype and processes. Engineering makes use of the end products to produce commercial outputs. According to Brundtland sustainable development is development that meets the needs of the present without compromising the ability of future generations to meet their own needs.

SOLUTION TO UN ROAD SAFETY DECADE

These theorems brings (modernize) change in society in the transportation sector. AUTOMATIC BRAKES WITH ACCIDENTAL FORCES ROBOT THEOREMS for controlling misspent energy mishaps on roads REMOTE CONTROL, long distance automatic alarm.

1. **THEOREM** If infrared/radio signals are transmitted from front part in vehicle A, to receiver in vehicle B front position receives to complete the circuit and put on electric (robot) alarm to alert driver.⁴ (robot: receivers and transmitters) REMOTE CONTROL: medium distance. Automatic brakes application, Robot complete the circuit and put on electric magnets to apply vehicle brakes before accidents then accidental effect decreases. Front vehicle A back transmitters control vehicle B front receivers when back vehicle reaches nearer.

MECHANIC BRAKES: NO DISTANCE, ACCIDENT

THEOREM if vehicles approach nearer initially they touch the extended net and fluid or air pillows, in vehicles front position of vehicles can transfer accidental forces to vehicle brakes, cut fuel supply, stop vehicles, inertia forces compress shock absorbs then accidental effects decrease⁵.

2. ***NOISE SUPPRESS ROTATING CUPS IN SILENCER***

THEOREM if noise waves are made to fall on freely rotatable cups. Noise rotate the cups and convert as mechanical energy then gas velocity decrease. Low velocity gases can be easily captured in a fuel tank size tank to convert as water gas or to reuse with chromatography⁶.

SOLUTION TO UN DECADE OF SUSTAINABLE ENERGY FOR ALL

This theorem brings (modernize) change in Science or in the energy sector.

MASS addition or deletion strengthens or weakens the body. nature or body dominate one or leads to instability.

WHIRL WIND WHEEL – WHEEL REVOLUTION WITH AIR REACTOR

3. **AIR – VACUUM REACTOR THEOREM:** If a permanent vacuum⁷ (low pressure area or shifting masses) is arranged in a cylindrical shaped body fixed with six pistons with bores to its sides like a regular hexagon and connected to an axle at its Centre then atmosphere push the obstructed pistons inwards and keep the cylinder in rotation with outside high pressure as long as there is pressure difference like spokes covered anemometer cups since Nature abhors a vacuum (GIBBS FREE ENERGY) Rotating axes if connected to generator generate power like vertical Axis windmill without interruption as per the need. This theorem bring (modernize) change in technology or in energy sector.

SATELLITE ON THE SURFACE OF THE EARTH FOR POWER GENERATION WITH FREE GRAVITY AS A SOURCE (CONVERSION OF POTENTIAL ENERGY TO KINETIC ENERGY)

4. **THEOREM:** if we keep a body Mg (source) on an inclined surface on hollow (mass deletion or shifting masses) right angle isosceles triangle shaped body fixed with wheels at its base is sink with mg. Body weight Mg, total energy equal to potential energy + kinetic energy becomes horizontal force and by converting potential energy to kinetic energy it can push sink along with it then it will be in motion. Gravity a central force can generate power in the need⁸. If wheels are replaced with toothed wheels on another toothed wheels and connected to generator it can generate green energy like perpetual motion machines.⁹

All these can be proved with experimentally proven facts only. Indian aspirations fulfill with this theorems and Indian traditional knowledge, Scientific Heritage regains its value in the scientific world

SCIENCE TECHNOLOGY AND THE RATE OF SOCIAL CHANGE

Technology has established itself as a powerful agent of social change. The more the society is advanced the more it encourages technology and as a result the more it gets changed due to technology. And the more rapid technological change, the more rapid is social change that it generates. Significant technological changes have taken place in the past 70 – 80 years. For a long period in a history, people lived in a world little different from that of their parents. Parents expected their children and grandchildren to live much the same lives as they did. The traditional societies assume an almost unchanging social world and are typically very suspicious of change. On the contrary in modern societies, however people accept change as the norm. They look for novelty, new experiences and new Ventures People expect constant improvements in their material environment. This fact has been beautifully explained by ALWYN Toffler in his famous book FUTURE SHOCK. He has argued that we are living in a permanent State of future shock. The future he contends, continually intrudes into the stability of the present. Ours is a throwaway society in which change takes place faster than our ability to adjust to it. The technological change has its implications on almost every aspect of society. Some examples, 1. Advancement in the medical field has lengthened life expectancy and brought down the death rate and this has radically altered the population structure. 2. Innovation in the field of industry has turned thousands of workers as unemployed persons. Old manufacturing machineries have become obsolete within a few years. 3 Cultural activities of the people have undergone Revolutionary changes due to such innovation as radio television cinema computer and phonograph records. 4 The socialization process has become more Complex in modern society. The elderly people can no longer pass on safely the age old culture to their children.

MARGRET MEAD hints at it in a curious way. She suggests that the pace of technological change is now so great that the old and the young live in quite different worlds so much so that, in a sense, the

parents have no children and the children no parents. For the first time in history, she points out, the old are no longer the main source of wisdom and knowledge in the community. The young often know more relevant information about the modern world than their parents. It is indeed beyond imagination to say with certainty about the direction dynamics and the dimensions of technology. It is bound to grow with ever greater speed. Since technology is a part of society it is sure to affect and influence the course of our social life. People in the days to come would find it more and more difficult to adjust and accommodate themselves to the ever growing Technology.

THE SOCIAL CONTROL OF SCIENCE AND TECHNOLOGY

Science and Technology have been undergoing relatively fast changes. These changes do not always guarantee beneficial results for society and people. These changes may often give rise to some special problems also. At the same time we have not been able to develop a system to exercise control over scientific and technological innovations. Our failure in this regard has further added to this problem example.

PROBLEM RELATED TO THE NATURE AND QUALITY OF ENVIRONMENT

Environment has been the first casualty as for a scientific and technological innovations are concerned. A relatively unsystematic and uncontrolled scientific and technological advance may have many unforeseen social effects particularly on the quality of environment. Examples: Due to excessive use of chemicals and artificial fertilizers, soil impoverishment has taken place in many nations. Food additives may contribute to human cancer blood pressure and diabetes weakness and other diseases. Atmospheric pollution caused by man may lead to climate changes that could cause a new Ice Age. Gases sprayed through aero planes may interfere with the planet's Ozone Layer and allow dangerous radiation to reach the surface of the earth. Problem

of non-scientists dictating terms to scientist regarding Science and Technology. There is the problem of non scientists giving orders or directions as to what scientists should do and should not to do. What researchers to pursue and what to drop out and so on. If it is a question of imposing restrictions on research it again becomes difficult to decide it the nature of restriction¹. It becomes impossible for the scientist with conscience to receive such orders or commands at the hands of unqualified persons.

SCIENCE AND TECHNOLOGY RELATION WITH SOCIETY

The irresistibility of Science and Technology. Science and Technology have become a powerful force now. It is very difficult, if not impossible to resist their temptation. Once set in motion, they cannot be stopped. Any attempt to prohibit new scientific technological research would soon put us in the backwaters of history. Because all sciences are interrelated and interdependent discoveries in one field open new vistas in others. This resembles Perpetual motion and anti perpetual motion. Science and technological advancements spread very fast. In fact it is very difficult to maintain secrecy in the realm of science and Technology. Anything that scientists and engineers technicians in industry or nations can do, the scientist, engineers of any advanced country can duplicate. Given a little time and a lot of money, techniques involved in the new innovations are often stolen illegally. The finding of science and Technology can never be secret for long.

THE QUESTION OF CONTROLLING SCIENCE AND TECHNOLOGY

Now the question before us is – can people control science and Technology – – ? The answer the question is an emphatic yes, it is yes. only if there are other values which are more important and precious. When people make reckless use of Technology, science gets blame. As we see it today, political control of scientific and technological research is increasing. The autonomy of science diminishes as the

domination of the governments grows. Popular skepticism is also increasing about science and technology especially after the two world wars and the recent war between Iraq on the one hand and America and European Union on the other. Hence there is an urgent social change to find some means of ensuring that science and Technology continue to develop in the direction of serving humanity rather than destroying it.

According to Gandhi our work and words are clear evidence of our self transcending nature. We work in order to have what we do not have in and for us at the moment. Work is not only an acquisitive Enterprise but also an act of going beyond. Similarly our words are not merely expressive of our selves or around ourselves but also communicative of our needs.¹⁰ A sense of want negation within ourselves or around ourselves are often found to be responsible for our words written or oral. Even in our writing we go out ourselves. This self-extending exercise is more clearly evident in our speech acts. Our interesting words are more clearly evident in our speech acts. Our interesting words are ideological in most cases. Even monologue is a simulated dialogue. Since work and words are silently addressed to and oriented by others, their needs and expectations. Our use of language is objectively required to be not only meaningful but also communicatively successful. It is in and through meaningful acts of communication that we enlarge our world.get the needed feedback from the world around us. Freedom cannot be easily crushed unless we silently acquiesce to this exercise. The relation between our freedom and that what negates this freedom are both rooted in our own self existence. We are both Producers and Consumers of our freedom. The patterns of our production and those of consumption cannot certainly be determined entirety by ourselves. Nor would it be correct to assert that these patterns are wholly imposed upon us by our attending institutions and Technology. Here lies the perilous as well as the promising field of our responsibility. Forms of technology come and go. In most cases these are not renewable. But the needs and the minds underlying those needs which invite new

technology and reject the obsolete one maintain their identity and continuity in an intimate and identifiable way. This suggests that as workers and thinkers we are at an advantage vis-a-vis our technology and institutions. we can control them more effectively than they can possibly control us. Here seems to lie the key to proper understanding of man – technology relationship.

CONCLUSION

Abundant electricity production with perpetual motion machines at low cost at all places can improve efficiency in another sectors like Education, Health, agriculture and industrial sectors can modernize the world with low carbon emissions.

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ENVIRONMENT PROTECTION THEOREMS FOR FUNDAMENTAL DUTIES MODERNIZE SCIENCE TECHNOLOGY AND INDIA – WORLD

**ITS MYDUTY TO SHARE OUR STORIES, IDEAS FOR
FUNDAMENTAL DUTIES.**

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INTRODUCTION

Lord Rama went to forest to perform his duties instead of his rights. Russian constitution is an example for our fundamental duties. Freedom without acceptance of responsibility can destroy the edifice of freedom itself. Rights and responsibilities must be balanced. According to Gandhi fundamental rights are for those who perform fundamental duties well. As countrymen we must abide by fundamental duties and work towards humanity, being a responsible citizen of India. Necessity makes a coward as fearless, powerful and a hero. Necessity is the mother of invention. Nature is for our all necessities but not for some greedy persons. Our duties are our nations liberty. Our rights are our liberty.

To value and preserve the rich heritage of our composite culture.

Religion without science is lame; Science without religion is limp – ALBERT ENSTIEN. Culture is elder than we and our science. Culture is a seed and science is a fruit. Human activities nurture the tree. Nurturing culture properly provide us nutritious fruits. If not we have to face many problems like earth quakes, tornados, Covid 19 and many more. This is an example we can't control nature but we must try for its cooperation. We need not laugh at preying persons for perfection but we must not fall in prohibition laws or under their influence which are hurdles for progress. Indian culture reached from Chidambaram to Switzerland and became CERN. European council for nuclear research.

CERN contribute to the kind of knowledge that not only enriches humanity but also provides the wellsprings ideas that become the technology of future. FABIOLA GIANOTHI. Director general of CERN. Our culture has 5 temples for our 5 life elements like air, water, earth, fire and space or sunya. Our life and our works are with them. We have a temple in Chidambaram for lord Nataraja. Chid means wisdom and ambalam is atmosphere. The dancing form of lord shiva is known as Nataraja. The Nataraja statue at CERN indicates lord shiva defeats the ignorance Apasmara. The cosmic ecstatic dancer symbolizes Shakhty or life force. Deity parvati suffered a lot with forgetfulness and lord Shiva suppressed Drawf [demon] Apasmara under his feet and taught parvati to became normal with his yoga vidya. Apasmara means forgetfulness, swoon and also the embodiment of ignorance. If we want to talk or do something about it or even something unrelated then the demon Apasmara would reveal our exaggerations, ignorance and make our movements as jerky as epilepsy. Thus Nataraja dancing on Apasmara symbolizes suppression of ignorance and jerky movements whenever we exaggerate our power with Shiva to achieve more. If we are in conscious state we can use a stone which is available beside us at free of cost as a tool for hunting or for making a deity statue but in unconscious state we can't use that stone and even we can't recognize it is useful or useless. Our fate depends on our consciousness, wisdom or unconsciousness, ignorance which is known as known knowledge. We acquire knowledge while we are in peaceful state or we have liberty. Consciousness and unconsciousness are two sides of a coin. They can't be alone like truth and false. Knowledge and ignorance are balanced and Apasmara is the depiction of arrogance which counters knowledge. If Apasmara is allowed to go free, he will add arrogance and the value knowledge will diminish as people who acquire knowledge will be attacked by Apasmara and they get arrogant. If he is killed then knowledge come and people may not still understand value and knowledge will get sidelined. So Apasmara is controlled but not killed to ensure that knowledge gets the right value but not make arrogance.

Consciousness or wisdom make stone useful and ignorance make it useless. Nature remain as it is but we have to use it with knowledge. Knowledge is power that gives us peace and show way for sustainable development. Modernize science technology and India-world with four theorems if nurtured properly, provide us peace and sustainable development with the base of our ancestors designs for constructing perpetual motion machines. Let us continue our ancestors efforts for survival from Apasmara for constructing perpetual motion machines and present societal problems. These machines regain our cultural heritage and prove Indians are not only ancient scientific leaders but also modern scientific leaders.

TO DEVELOP SCIENTIFIC TEMPER, HUMANISM AND THE SPIRIT OF INQUIRY AND REFORM

Scientific temper is good of every one by technological advances, it is about quest it carries forward in a complete sense of determination. Scientific temper is also about evidence based enquiry in each issue whether it is good or not empirical evidences matter to search about truth. Spirit of reform is bound to the very root ideas of scientific development and research. Scientific development can't take place without reform. By reform it means to redevelop, re imagine to look for navel ideas. This spirit is little shaky in case of current scenario hence this phrases are very important for constructive development. Progress of science takes place slowly revealing the mysterious beauty, symmetry and glamour of nature. We have no absolute truths and changes are there forever. Yesterdays COVID 19 changed in many ways and vaccines have to be changed accordingly or else we can't survive and we can't conclude vaccine is impossible. Physicists believe that most of the universe contains infinite vacuum. Hindrances to develop the scientific temper, the spirit of inquiry and reform are mostly education system and attitude. Education system, The Indian education system is evolving into a platform of gaining employment rather than gaining knowledge. This restricts the spirit of inquiry. Attitude; Even

the educated blindly follow the norms and superstitions due to lack of spirit of enquiry. This results in growing of superstitions blindly and it is trickling down from generation to generation. The spirit of enquiry and reform are vital for success of make in India, skill India or digital India. India needs to shed its conservatism and embrace the spirit of enquiry and reform to encash human capital and transform them into demographic dividend. Energy crisis also has many bad effects as covid 19. Our ancestors designed perpetual motion machines inspired the world for constructing perpetual motion machines. Now our world is suffering a lot on laws of thermodynamics as psychosis or psychomatics. Many people became psychosis when they tried for constructing perpetual motion machines which were initiated in India by BHARADWAZ, LALLA BRAMHAGUPTA BHASKARACHARYA and many more. They are called INDOARABIC or Indo Persian machines like INDO ARABIC numbers. Many fathers of sciences concluded, it is impossible to construct perpetual motion machines. Recently they were prohibited and patent offices refuse to take applications on them though these laws have no formal proofs. But for others they accept without experimental proofs and with formal proofs. If our ancestors designs are helpful to develop new designs which are necessary tools or perpetual motion machines and if we could develop then we are civilized and our nation become civilized nation. What we use is our civilization and how we are is our culture. We hesitate to enter in a prohibited area. Experts concluded perpetual motion machine cannot be constructed in vacuum and it is impossible. But we all know vacuum or depressed area with atmosphere generates tornados or typhoons. Tornados show the way to construct WHIRL WIND WHEEL –WHEEL REVOLUTION WITH AIR REACTOR. We breakup inertia in science with new design that fulfill laws of thermodynamics for constructing perpetual motion machines based on Indian culture with Chidhambhararahasyam. Vacuum in rotatable cylinder with axis and outside atmosphere together become whirl wind wheel. Vacuum acts as sink and atmosphere works as source. This resembles Tarakasura_s mother bounded panchabuthas

or five elements and lord Vishnu released them to attend lord shiva and parvathi's marriage.

WHIRL WIND WHEEL – WHEEL REVOLUTION WITH AIR REACTOR

THEOREM: IF A PERMANENT VACUUM [low pressure area by shifting air to outside] IS ARRANGED IN A CYLINDRICAL SHAPED BODY FIXED WITH SIX PISTONS WITH BORES TO ITS SIDES LIKE A REGULAR HEXAGON AND CONNECTED TO AN AXLE AT ITS CENTRE THEN ATMOSPHERE PUSH THE OBSTRUCTED PISTONS INWARDS AND KEEP THE CYLINDER IN ROTATION WITH OUTSIDE AIR PRESSURE AS LONG AS THERE IS PRESSURE DIFFERENCE LIKE SPOKES COVERED ANEMOTER CUPS SINCE NATURE ABHORS VACUUM[GIBBS FREE ENERGY]

Rotating axes if connected to generator generate power like vertical axes windmill without interruption as per the need. In whatever form energy exists work can only be obtained if the energy is present in a state of greater intensity in one portion of the system and lesser intensity in another part of the system. This is the second law of thermodynamics. Whirl wind wheel – wheel revolution with air reactor satisfies this law. Entropy can't increase in puncture, tubeless tyres but remain constant for months since it wouldn't hit hard metals but rotates on top. This satisfies all laws for working machines. In India 42 millions live in remote villages are lack of reliable access to electricity. This will have a place in all homes to change them as power homes. This can solve rural energy crisis. This will become a solution to UN DECADE OF SUSTAINABLE ENERGY FOR ALL.

RESEARCH AND DEVELOPMENT – JUGAAD: A flexible approach to problem solving that uses limited resources in an innovative way. Development research takes into consideration existing knowledge and employs towards producing new materials, products, devices installing new process systems and services or improving existing one

substantially. Development research results in design and actualization of prototype and process. Engineering makes use of the end products to produce commercial out puts. According to Brundtland sustainable development is a development that meets the needs of the present without compromising the ability of future generations to meet their own needs. World patent offices and governments prohibited perpetual motion machines but some universities believe that perpetual motion machines are the way to energy independence. This is how World deviated Indian machine culture and developed impossible statements to prohibit perpetual motion machines even without having formal proofs for them, resulting in development of heat engines' with many environment and health problems This WHIRL WIND WHEEL – WHEEL REVOLUTION WITH AIR REACTOR will become a solution to UN DECADE OF [2014–2024] SUSTAINABLE

ENERGY for all and can solve rural energy problems. This scientific temper ignores or reforms impossible statements on perpetual motion machines. We have many odd prime numbers but we can't conclude all prime numbers are odd since we have a even prime number 2. Similarly we have many impossible perpetual motion machines but we have this possible perpetual motion like machine which can work long duration since we can control leakage many months with one atmospheric pressure to go in. We are capable to control leakage to out with many atmospheric pressures and load on vehicle tyres with puncture less rubber tubes. It resembles water reversible turbines which lifts up water to increase water potential energy in no demand time and release water in demand time to generate power. Water replaced with air and here no need to raise air to much heights. Since nature abhors vacuum and it continues to fill vacuum but it can't. Impossible is not for us but for nature in controlled conditions. We have solutions which can control pressure remain constant in tubes for years If such solutions and tyres are used in constructing this whirl wind wheel, this can work for years. Psychology says when we focus on problems, we will have more problems, when we focus on possibilities we will have more opportunities.

To protect and improve the natural environment and to have compassion for living creatures.

Noise rotates rotors in silencers to suppress noise in silencers and it can protect people from health hazards and environment.

THEOREM: IF NOISE WAVES ARE MADE TO FALL ON FREELY ROTATABLEVANES [LIKE ANEMOMETER CUPS] IN SILENCERS THEN NOISE POWER ROTATES THE VANES AND CONVERT AS MECHANICAL ENERGY. NOISE INTENSITY REDUCE AND GAS VELOCITY ALSO DECREASE AND CAN'TEFFECT ON EYES..

Decreased velocity gases can easily captured in an oil tank size tank containing water dissolves carbon dioxide and can be recycled for further use as water gas for burning. This modified silencer control noise pollution standards to world health organization noise standards and decrease many health problems and its deaths. Many drivers die on their seats while driving on roads How passengers in buses bare such condition. Thus this can protect and improve the natural environment and to have compassion for living creatures.

TO SAFE GUARD PUBLIC PROPERTY AND TO ABJURE VIOLENCE

AUTOMATIC BRAKES WITH ACCIDENDAL FORCES – ROBOT for controlling misspent energy becomes mishaps on roads. Different distance range remote controls for alarm and automatic switch on electric magnets to be fixed to all vehicles to control accidents.

THEOREM IF INFRARED/RADIO SIGNALS ARE TRANSMITTED FROM FRONT IN VEHICLE A TO RECEIVER IN VEHICLE B FRONT POSITION RECEIVES TO COMPLETE THE CIRCUIT AND PUT ON [ROBOT] ALARM TO ALERT DRIVERS.[ROBOT = RECEIVERS AND TRANSMITTERS] This is for long distances between vehicles.

MEDIUM DISTANCE RANGE ROBOT APPLIES BRAKES AUTOMATICALLY

When vehicles reached medium distance range transmitters and receivers connect on contact and apply brakes to both vehicles before accidents then accidental effect decreases. Front vehicle A back transmitters control vehicle B front receivers when back vehicle reaches nearer in same direction.

MECHANIC BRAKES; NO DISTANCE – ACCIDENT

THEOREM: If vehicles approach nearer initially they touch the extended net and fluid or air pillows that are in vehicles front position can transfer accidental forces to brakes cut fuel supply, stop vehicles, inertia forces compress shock absorbs then accidental effects decrease. Uncontrollable violence, 2crore deaths yearly on roads and uncountable financial losses can be minimized with this robots.

To strive towards excellence in all spheres of individual and collective activity so that the nation constantly rises to higher levels of endeavor and achievement.

Our present work doing machines have to dominate nature forces to perform its work hence it became costly and less efficient. But this present machines work like reversible machines with natural forces with low cost and no atmosphere polluting emissions. Hence these are called modern machines or our ancestors aspirations, desires for sustainable development.

SATELLITE ON THE SURFACE OF THE EARTH FOR POWER GENERATION AND TRANSPORTATION WITH GRAVITY AS A SOURCE [Convert potential energy as kinetic energy].

THEOREM. IF WE KEEP A BODY MG [SOURCE] ON AN INCLINED SURFACE

ON HOLLOW [Mass deletion or shifting masses] right angle isosceles triangle shaped body fixed with wheels at its base is sink, its mass mg [sink]. Body weight Mg [source], Differences in source and sink weights become available energy Total energy equal to potential energy +Kinetic energy becomes horizontal force and by converting potential energy to kinetic energy, it can push sink along with it then it will be in motion.

Gravity, central force can generate power in need. If wheels replaced with toothed wheels on another set of toothed wheels and connected to generator it can generate green energy like a perpetual motion machine. Differences in source and sink weights are greater than zero and wheels at its base is freely rotatable or unstable. We feel gravity and air are hurdles in working machines as they resist as friction. Friction is necessary evil, we can't escape. But we can use natural forces as sources to do our works as per the above theorems. These are the examples to strive towards excellence in all spheres of individual life and collective activity so that the nation constantly rises to higher levels of endeavor and achievement. Science is also a way to discharge our fundamental duties so let us have more concentration on science. JAI VIGYAN, JAI ANUSANDHAN. According to SOLOW ROBUST Noble laureate in Economics for the year 1987 long term growth depends mainly on technological progress but not in labor or capital increase. All the governments are encouraging capitalist or privatization and technological progress is decreasing labor value. If both continuous further we must consider what will be the fate of the tomorrow's society. Technological progress must be encouraged at all times if not we have to depend on others, that means welcoming poverty or lose of independence. For example consider our present fuels which are extracted at one place with burden and destroying environment there and transporting to the needy place pollute all the way. At usage points the fuels must work against to natural forces which causes low efficiency and more pollution that is why world is transforming to renewables. Let us make use these technology before it reached to other

hands. Natural forces are available at all places and each home become a power home. Large power stations can be constructed at necessary places and no transportation of fuels on roads become a great relief to roads, vehicles and low income countries. We all know how world is suffering from fuel imports and financial burden. All nations get relief from this burdens.

CONCLUSION

If an elderly but distinguished scientist says that something is possible, he is almost right, but if he says that it is impossible, he is very probably wrong ARTUR. C. CLARKE a famous scientist. So we have to follow our ancestors designs as basics, ignore impossible statements and adopt, implement this theorems as soon as possible to our peace and sustainable development which are urgently needed in low income countries though they are also a part of UN PEACE AND SUSTAINABLE DEVELOPMENT GOALS. Abundant electricity production with perpetual motion machines at low cost at all places can improve efficiency in another sectors like education, health, agriculture and industrial sectors along with environment can modernize the world with low carbon emissions.

TRUTH ALWAYS TRIUMPHS

**JAI JAWAN. JAI KISSAN, JAI VIGYAN, JAI ANUSANDHAN.
JAIHIND.**

SUSTAINABLE DEVELOPMENT DESIGNS FOR PEACE

Dr. J HARIHARA REDDY, B. Sc, B. Ed, MA, Head Master (Retired)

ABSTRACT

Peace implies the ability to respond to the surrounding suffering and other's needs in ways that affirm faith in the light beyond the darkness. Peace is often equated with the absence of violence. To Gandhi, exploitation was the most familiar and practical form of violence on an individual by the state, a group, another individual or by machines. Road vehicle accidents became major violence on Indian roads. Road safety theme for 2025, our theme revolves around "Be a ROAD SAFETY HERO" emphasizing the role of collective action in creating a secure environment for all road users through the 20 years of excellence, two decades of expertise in safety innovation. Leaders in innovations: setting benchmarks with cutting edge safety designs, continuous improvement, Evolving solutions to meet ever changing needs is possible with the present submitted publications. These can bring Ecological balance and conservation. The adoption of life styles conducive to the wholeness of creation. These can protect biodiversity. Peace of mind, psycho spiritual dimension of peace. It also emphasized conservation of resources and satisfaction of mind. Peace begins with individual and spreads to the family, to the community, to the nation and to the global village. promoting a culture of peace, hence involves a two pronged strategy. The members of the society need to be oriented towards peace rather than violence. At the same time social economic and political systems have to be reoriented to peace. peace is the work of justice and the fruit of love, but it must also be the production of education and designs. Peace ensures an education that makes an individual a

citizen and creates a learning environment to live in harmony with adjacent nature and act cooperatively

INTRODUCTION

Need brings greed, if greed increases it spoils breed. There is sufficiency in the world for man's need but not for man's greed. MAHATMA GANDHI. Human history is deeply intertwined with the concepts of need and greed. From the earliest days of survival to the complex societal structures of today. These two forces have shaped civilization, economies and interpersonal relationships. Need is a fundamental aspect of life driving individuals and communities to seek what is essential for survival and wellbeing. However when need escalates into greed, the consequences can be detrimental, not only to individuals but also to the broader social fabric. On an individual level, the transition from need to the greed is often fueled by fear and insecurity. For instance, a person who grew up in poverty may develop a deep-seated fear of scarcity, leading them to hoard wealth or resources even when their basic needs are met. This fear based greed can lead to behaviours that harm others, such as exploitation, deceit and corruption. When greed is allowed to flourish unchecked, it can have devastating consequences for individuals, societies and the environment. One of the most immediate consequences of greed is the erosion of social trust and cohesion. Greed drives individuals to prioritise their own interest over those of others, leading to competition, conflict and social fragmentation. In extreme cases this can result in violence, war and the breakdown of social order. Necessities are the mother of inventions. The dynamics of need and greed have profoundly influenced human history, shaping civilization economies and moral values. While the fulfillment of the needs drives progress and innovation, unchecked greed leads to social, environmental and ethical degradation.

The consequences of greed, including inequality, environmental destruction and the erosion of social cohesion highlight the importance

of fostering a balanced approach to human desires. Emphasizing ethical principles, compassion and sustainability is essential to creating a just and harmonious world where the pursuit of needs doesn't spiral into destructive greed.

He who is not contended with what he has, would not be contented with what he would like to have SOCRATES.

PEACE REALITY OR UTOPIA

Love and concern for others and moral laws are the basic factors for the induction of peace in an individual and in the society by and large. The world is not separate from us. We are the world and our problems are world's problems. So we are responsible for the frightful misery and confusion in the world and even impending war or road accidents. All over the world more people suffer injuries death from road accidents every year compare to other incidents. Peace should be first and foremost priority but unfortunately wars occupied that place. According to a report by Grant Thornton, India holds the unfortunate distinction of topping the global list of road accident related fatalities, contributing to 11 % of such incidents world wide. Road safety theme for 2025, our theme revolves around "Be a ROAD SAFETY HERO" emphasizing the role of collective action in creating a secure environment for all road users through 20 years of excellence, two decades of expertise in safety innovation. Leaders in innovation: setting benchmarks with cutting edge safety programs, continuous improvement, Evolving solutions to meet ever changing needs is possible with the present submitted publications. To transform the world, we must begin with ourselves. Buddhism believe that there is no miracle in human affairs what a man sows that he must and will reap.

Science can change impossible as possible but it can not denature evils in the heart of man. We must learn the difficult lesson that the future of mankind will be tolerable only when our course in world affairs as well as in other matters is based on justice and law, rather than on

the threat of naked power. (Einstein: On peace and Gandhi). In a time of deepening crisis in the underdeveloped world, of social malaise in the affluent societies, of the shadow of unbridled technology and the precarious peace of nuclear terror it seems likely that Gandhi's ideas and techniques will become increasingly relevant.

The peace solution obviously lies in the creator of the problem, in the creator of the mischief, of the hate and of enormous misunderstanding that exists between nations and human beings. The creator of the problem is the individual. You and I not the world as we see it. The world is dangerous not because of those who do harm, but because of those who look at it without doing anything. The essence of peace programme is to address the roots of the problem as a common cause, to the benefit of every one without diminishing any other. Education is the principal means to build a culture of peace. The important thing here is the awareness and knowledge that one can have that capacity and power to hold peace. It is not enough to talk about peace, one must believe it. And it is not enough to believe in it, one must work for it. Unhealthy societies threaten individual survival, that something can be done to change the nature of social reality and that education provide the means to build a better society. If we the people of the world are unable to use education as the last opportunity to hold peace or we find education a failed strategy for peace, let the education for peace be an Utopia.

CONCLUSION

Road accidents became severe violence that leads to poverty. Poverty is the worst form of violence. Accidents deaths reduction reduce poverty and establish peace in 1000 families every day will certainly protect biodiversity, environment and climate change. If it is implemented in time, it proves governments are peace establishers and we'll wishers to humanity. Sir CV Raman light scattering is in our curriculum similarly we should have Gravitational scattering in our curriculum with Nature

modern wheels theorem: If nature forces become source input and less intensity areas sink are arranged in a machine then nature forces act on it and make it as a Perpetual motion machine becomes solution for energy crisis and decrease oil tensions and related wars leads to develop peace. Energy generation and energy regulation destroy unpeace and give strength or peace.

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Chapter 03

Physics/Astro Physics

1. Automatic brakes with accidental forces Mechanical robot
2. Automatic brakes with remote control
3. Satellite on the surface of the earth
4. Weight wind vacuum vehicle (ground)
5. Gravity mill
6. Earned energy machine
7. Gravity gift power machine.
8. Earthquake alarms at homes

Man is born to conquer nature and not to follow it

– Vivekananda

The secret of freedom lies in educating people where as
the secret of tyranny is keeping them ignorant
(Forced to learn impossibles)

– Maximillien Rabespierre

Awake, arise and stop not till the goal reached

– Vivekananda

AUTOMATIC BRAKES WITH ACCIDENTAL FORCES/ROBOT

AUTHOR; J. HARIHARAREDDY. B.SC, B.ED, MA.

ABSTRACT

Automatic brakes with accidental forces for all vehicles to minimize accidental deaths on roads is a solution to UN ROAD SAFETY DECADE under national activities pillar 3 to the uptake of new technologies for safer vehicles. This is in two theorems. (Digital and Mechanical) 1. If infrared signals are transmitted from vehicle A, front part to receiver in vehicle B front position, receiver receives, put on electric magnet and stop the vehicle before five to ten feets distance in between them then accidental effects decrease. Vehicles A and B have transmitters, receivers and electric magnets in front and back. If it fails then automatic brakes with accidental forces work immediately. (Mechanical) 2. If vehicles approach nearer, initially they touch fluid or air pillows in the front position, transfer accidental forces to brakes, cut fuel supply and stop the vehicles then accidental effects decrease and inertia compress shock absorbs. Vehicles A and B have air pillows, shock absorbs and force transfer tools. These arrangements in every vehicle may be made mandatory. This may be more effective than the GPS or global positioning system for tracking vehicles with a chip in all vehicles. Since There are no long distance travel or communication satellites and it is a local action at the same place. This is an example for social and emotional learning skills in schools and colleges. According to jean paiget the principle goal of education in the schools should be creating men and women who are capable of doing new things, not simply repeating what other generations have done. A man

can survive with a remote control in his hand by stopping the nearing vehicle in emergency.

EDUCATION FOR PEACE AND SUSTAINABLE DEVELOPMENT

INTRODUCTION

Nature is god and nature is a good teacher. Nature helped us to develop physically and intellectually to separate from animals and living beings. Nature formed with five elements Earth, Air, Water, Fire and Sky. These elements keep us healthy and lively. Sound mind in a sound body and sound body in sound environment. Our desires are our grievances. Lord BUDDHA's teachings changed king ASHOKA to left the wars and to plant trees beside the roads for fresh air and shelter. It was our ancestors environmental awareness. LORD BUDDHA, King ASHOKA, GANDHI and at present WORLD HEALTH ORGANISATION have been trying to maintain peace in the society. UN declared 2011–2020 as road safety decade. Transportation is a part and parcel of our development. There is no national problem that required more attention than road accidents in under developing countries. India contributes to 8% fatalities with only 1 % of vehicle population. Accidental deaths are nobody's desire but always there are deaths on roads with somebody's desire. National crime records Bureau statistics show 15 people die in our country every hour due to road traffic accidents (RTA). The average cost of RTA's in India is approximately Rs 7 lakh crore. This does not include the economic burden of permanent disability of more than 10 lakh people who survive in major accidents every year. 85 % of the victims of these fatalities are men in the age group 20 – 40 years¹. Majority of these men are the bread winners for their families. At present deaths on the roads account for twice more than the death in India by the combination of all serious diseases like malaria cholera HIV etc all put together. A developing country like India can scarcely afford the financial and social burden of RTA's of this proportion. This paper throws some light on the latest technologies to be implemented

immediately. This can keep approximately 1000 families remain in peace every day by controlling untimely deaths on roads. Education can solve peace and sustainability problems along with all our strong desired problems with science and technology like digitalization which is based on education. Education is the powerful weapon to lead the humanity towards kindness.

ROAD TRAFFIC A BANE OR BOON?

Transportation is a source for development and it is a boon. But in under developing countries due to lack of wide roads, education and with no proper technological improvements in vehicles, it became a bane.

ROAD TRAFFIC INJURIES (WORLD HEALTH ORGANIZATION REPORT-ROAD TRAFFIC SAFETY DECADE 2011–2020)

- There is no national problem that requires more attention than the one which results in a death, in every 4 minutes, disabling 4 citizens every minute, a loss of 3% GDP every year, a loss of Rs.7 Lakh Crore in primary treatment and an unspecified amount lost in physical disability (The Hindu dated August 22, 2013, New Delhi)
- About 1.24 million people die each year as a result of road traffic crashes⁵.
- Road traffic injuries are the leading cause of death among young people, aged 15–29 years⁶.
- 91% of the world's fatalities on the roads occur in low-income and middle-income countries, even though these countries have approximately half of the world's vehicles.
- Half of those dying on the world's roads are vulnerable road users: pedestrians, cyclists and motorcyclists.

- Without action, road traffic crashes are predicted to result in the deaths of around 1.9 million people annually by 2020.
- Only 28 countries, representing 416 million people (7% of the world's population), have adequate laws that address all five risk factors (speed, drink-driving, helmets, seat-belts and child restraints).
- All the above misfortunes can be controlled with the help of automatic brakes with accidental forces.

HUMAN BEHAVIOR

In order to establish effective accident prevention measures it becomes important to

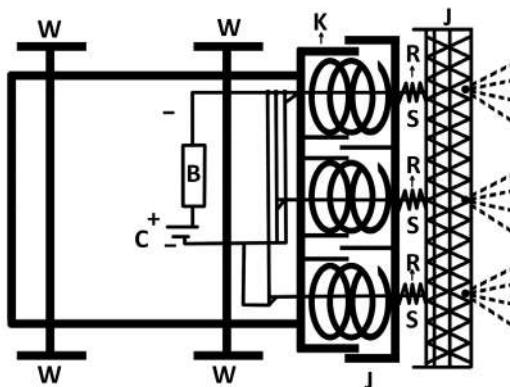
1. To understand the sequence of events and circumstances leading to occurrence of an accident.
2. To be able to isolate essential factors contributing to the occurrence of an accident. These factors represent a constant challenge to people in the accidents prevention field to work towards a continual reduction of accident rate. This waste of human talent could have been avoided if each person would have incorporated positive safety values into his philosophy of life. For an individual the importance of safety may determine the extent and length of his contribution to society and the fulfillment of his personal ambitions. A person's philosophy of life is the integration of all his acquired knowledge and experience into a pattern of human behavior. This behavior is controlled by values, attitudes and habits that in turn are developed and modified by acquisition of new knowledge and experience. Research in this area involves the prevention of accidental effects by controlling the physical world or developing devices that will help to reduce the possibility of accidental effects. These areas can be subjected

to experimental types of research with greater ease than research in the behavioral sciences. It is easier to establish controls and hold variables constant when working with materials such as automatic brakes with accidental forces than when working with the fluctuating characteristics of humans. It is less expensive to prevent accidental effects than to repair it up afterwards i.e. deaths and disabilities.

THEOREM1. If infrared signals are transmitted from vehicle A, front part to receiver in vehicle B front position, receiver receives, put on electric magnet and stop the vehicle before five to ten feet distance in between them then accidental effects decrease. Vehicles A and B have transmitters, receivers and electric magnets.

REMOTE CONTROL – ROBOT

A SYSTEM for controlling machinery from a distance by infrared or radio signals.example a remote control gadget for changing TV stations and AC remote control to set temperature and door locking remote controls. This gadgets can be used for escaping accidents on roads by fixing them in front of all vehicles. A remote control system commonly has two parts.transmit and receive. These two parts are to be fixed in front and back of all vehicles to put on brakes and to cut fuel supply to avoid accidents. These are to be in on condition while in motion and at dangerous places but they don't work. They work only when the vehicles reach nearer without human effort, hence it is a robot. A motion detector is device that detects moving objects. Such a device is often integrated as a component of a system that automatically perform a task or alerts a user of motion in an area. An occupancy sensor detects the presence of an object within a certain space. Motion controllers are also used for video game consoles as game controllers. A camera can also allow the body's movements to be used as input device, such as in the kinect system. If it fails then Automatic brakes with accidental forces become active to save lives.



J INFRARED SIGNALS – NET, transmit accidental force to the brakes.
H Cuboid shaped box. S. Shock absorbs R Springs to resist air force. B.
Battery connection to electric magnets those apply brakes. P. Switch
on pushers. W. Wheels. K. Force transmit rods.

THEOREM 2. If vehicles approach nearer, initially they touch the net and fluid or air pillows in the front position, transfer accidental forces to brakes, cut fuel supply and stop the vehicles then accidental effects decrease and inertia compress shock absorbs. Vehicles A and B have air pillows, shock absorbs and force transfer tools. These arrangements in every vehicle may be made mandatory.

There is no national problem that required more attention than the road accidents. That problem can be solved if we implement automatic brakes with accidental forces. Entire bumper surface area covered with fluid bag (Fluid pillow) acts like driver brake pedal to apply brakes, to stop the vehicle. Stopping vehicles is preventing accidents and its bad effects. Net which can oscillate like window connected with battery fixed at bumpers oscillate with collision force and applies brakes and stop vehicles. Low height vehicles with reversible pendulum vertically upwards and normal height vehicles with vertically downwards nets oscillates with only collision force.

The motor vehicle as it is emerged in the early part of the twentieth century brought with it a new concept of mobility that materially

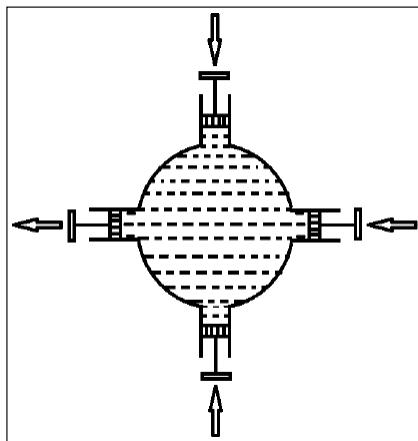
improved the life style of the world and it brought with it many serious social and economic problems in the form of accidents with deaths, injuries and destroying the properties. Safety in transport is an important element of the environmental assessment and is a major concern in the world. Misspent energy becomes mishaps. With the industry having suffered from near absence of technological improvements in design and manufacture of vehicles, there is need to affect these changes immediately. It is easier to establish control and hold variables constant when working with materials such as automatic brakes with accidental forces than when working with fluctuating characteristics of humans. Misspent energy can be used for useful purpose with the help of vehicle protector. At bumper and in between net and shock absorbers a filled fluid bag connected with brakes to be arranged which can transfer any direction collision force to brakes. Shock absorbers have to be adopted at bumpers for all vehicles using a cuboid shaped box consisting of fluid bag, strong springs. In front of the box, a delicate rectangular sieve or net with big holes is connected to front ends of horizontal rods which pass through the shock absorbers and the other ends of the horizontal rods are connected to an electric circuit which has electric magnet and can pull the pedal which is connected to the brakes. There are small springs around horizontal rods between the box and the net. These small springs resist air force on the net and would not allow it towards brakes but they cannot resist other forces such as other vehicles, fixed objects, human and animal collision with the net. During accidents vehicles apply force one on another net and they made nets to move backwards, to work automatic brakes, to cut fuel supply and to reduce vehicle velocities. Due to kinetic energy even after application of the brakes, vehicles move without rotating the wheels and compress the shock absorbs. Thus accidental forces cease without destructing the vehicles and lives to certain limits.

PASCAL LAW

In a confined fluid externally applied pressure is transmitted uniformly in all directions. In a static fluid force is transmitted at the speed of

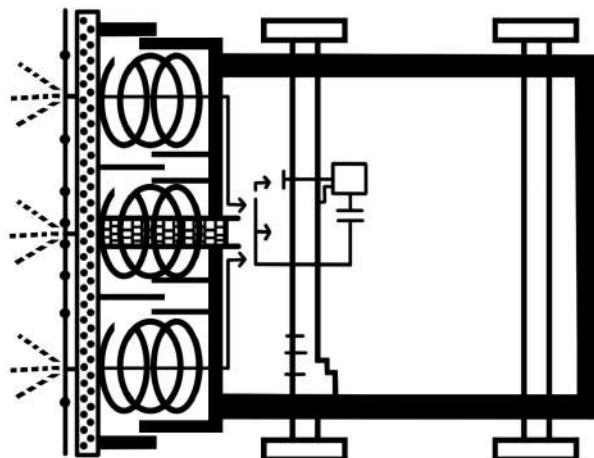
sound throughout the fluid and acts at right angles to any surface in or bounding the fluid⁴.

PASCAL EXPERIMENT:



FORCE FROM THREE SIDES OR ANY SIDE GO TO ONE SIDE THAT IS TO BRAKE LINE.

TECHNOLOGY UPGRADATION:



J. Net transmit accidental force to the brakes Fluid bag. H. Cuboid shaped box. R Springs to resist air forces. S. Connection to electric magnet. W. Wheels. S, Shock absorbs. B. Battery. P. Switch on pushers. K. Force transmit rods.

Attacking the accident problem depends on the technology up gradation. Many road mishaps demand split second decisions and responses. But in many cases it is not possible and causing accidents. So there is need to develop automatic electric brakes with accidental forces which can work without the efforts by driver in the emergency. Shock absorbs have to be adopted at bumpers for all the vehicles using a cuboid shaped box consisting of fluid bag, strong springs. In front of the box a delicate rectangular net or sleeve with big holes connected to front ends of the horizontal rods which pass through shock absorber and the other ends are connected to an electric circuit which has an electric magnet and it can pull the pedal which is connected to the brakes. There are small springs around the horizontal rods between the box and the net. These springs resist air force on the net and would not allow air force towards brakes, but they cannot resist other forces such as other vehicles, fixed objects, pillars, houses, motor cycles, animals, human collision with the net. During accidents vehicles apply force one on another nets, nets move backward, applies force on fluid bag and made automatic brakes to work. When the pedal is pulled by electric magnet at one end the increase in pressure is transmitted to the other end of the tube. A large thrust acts on the piston and it is pushed towards the rim of the wheel. In this way a small force on the net produced a large retarding force on the wheel and reduces vehicle's velocities. The force on the net can stop the fuel supply too. Due to kinetic energy even after the application of the brakes vehicles move without rotating the wheels and compress the shock absorbers. Thus accidental forces cease without destructing the vehicles and lives.

SAFETY FEATURES

Accidental collision forces can be decreased in the following ways

- Fluid rubber bag transmit any direction accident collision force in all directions (Pascal law) and applies on circuit to complete and apply brake and once applied brake do not come to rest due to one side movement tools, in one direction it slips and in opposite direction it catches.

- This force through iron rods goes and automatically switch on electric circuit and activate electro magnet to apply brakes.
- This force can be used to apply brakes like driver but not by driver with proper mechanical connections.
- This force automatically cut the fuel supply.
- This inertia force compresses shock absorbers and decrease vehicle damage⁴.
- This large force can be used as inverse to bramah press or hydraulic lifting machine.
- One family one child accident death can be prevented and decreased to save that family.

This will be the solution for road accidents problem and an innovative technology for nation building. Patents and efforts on anti collision devices are appreciable but this essential protector will be automatic brakes with accidental forces and also this safety brakes are essential for under developing country like India with more population, more vehicles, and narrow roads. Earth movers like JCB are the examples to control shock forces, accident collision is similar to JCB attempts to push and or to pull in opposite directions. Thus destructive accidental forces nullify and save lives, environment and properties.

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AUTOMATIC BRAKES WITH ROBOT AND ACCIDENTAL FORCES FOR ALL VEHICLES

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Sustainable development goals. Indian Knowledge System

ABSTRACT

Mishaps controlling is uncontrollable so we have 2 UN ROAD SAFETY DECADES for low income countries like India. India has motor vehicles act 1989 and many additions but India is top in road accidents. Accidents prevention is more important than any other crisis. Lords Bramha, Vishnu and Maheshwar tried to maintain peace, raise due to strong desirers and dominants. Lord Shiva took poison and became Garalakhanta to protect environment and lives, Lord Bhudda left his kingdom for peace knowledge, Gandhiji through out his life followed the ideal of truth and non violence. He observed "Education is the preparation for complete living adjustment to environment, perfection of one's nature, character building and harmonious development of personality. Thus the proper inculcation of human value like peace and harmony and development of character is the responsibility of our education. our present beloved Prime minister Narendra Modi ji inspired world with International yoga day and we know health is wealth. It is understood knowledge is the ultimate goal for all. Innovations are the drivers for progress. Theorems are for controlling and decreasing untimely deaths on roads and keep at least 1000 families remain in peace daily in India decrease injuries, protect environment and properties. In India 400 and above deaths with nearly 400 crore rupees losses can be minimized daily. This can possible with indigenous and simple low cost

materials like TV remote controls transmitters and receivers or robot for misspent energy regulation for—AUTOMATIC BRAKES WITH ROBOT AND ACCIDENTAL FORCES—presented.

Keywords: Poverty, health, peace, Remote control (like TV) , Automatic brakes, UN Road safety decades and environment protection.

INTRODUCTION

Road Accidents man-made disasters, population and vehicles population is increasing but land area or roads can't widen in that proportion. High density population and vehicles in narrow roads leads to accidents these are due to our ignorance. We should try to decrease population and restrict vehicles number on roads for unnecessary travels on roads by ourselves. Laws relating to the traffic on the roads are provided under motor vehicles act 1988 is an act passed by the parliament of India which come in to force from July 1, 1989 and is applicable to whole of India however lapses in traffic laws regulations and accidents glaring reality.¹

India has most fatal road Accidents

- No Country Deaths
- 1 India 150785
- 2 China 63093
- 3 Indonesia 26185
- 4 Russia 20308

Over 4 lakh road accidents 2021 according to data from the National crime records bureau a total of 403116 road accident cases reported in 2021 up from 354794 in 2020 Meanwhile fatalities in road accidents has increased by 16.8 % from 133201 in 2020 to 155622 in 2021. A total of 371884 people were injured in road accidents last year.² The rate of deaths per thousand vehicles in 2021 has also

increased from 0.45 in 2020 to 0.53 in 2021. Uttarpradesh recorded the highest number of road accident deaths (14 % of total deaths in 2021) followed by Tamilnadu 9.88 % and Maharashtra 8.94%. India records 1.5 lakh road accident fatalities in 2020 which was 26.37 % of total road accidents recorded in 207 countries said the union minister for road transport and highways Nitin Gadkari on Wednesday 20th July 2022. Road accidents not only have crippling effect on human lives and their families but on the overall economy at large of the country as well

ROAD ACCIDENTS IN INDIA IS MORE DANGEROUS THAN COVID-19 PANDEMIC

The minister for roads and highways stressed that the accident cost as of tremendous burden to society and nation and the estimated cost of death in road accident is around 91.16 lakh. Releasing the world bank report on traffic crash, injuries and disabilities. The burden on India society in association with save life foundation. India accounts for the highest number of road accidents globally with 1.5 lakh people being killed and more than 4.5 lakh road accidents with cross amounting to 3.14 % of the GDP. The situation is alarming there are more deaths than in covid 19. It is more dangerous than Covid-19 GADKARI said terming the world bank report on eye opener.

COSTS IN INDIA

Minor injured person rupees 77938

Seriously injured person 3.44 lakhs

Death 91.16 lakhs.

Around 70% of deaths are in the working age group of 18 to 45 years of old while India accounts 415 deaths per day in road accidents pointing out that one of the key findings of the report is that the number of accidents deaths is double in poor families as respond to rich families.

PEACE EDUCATION

Peace is often equated with the absence of violence. To Gandhiji, exploitation was the most familiar and practical form of violence on an individual by the state, group, another individual or by machines like transporting vehicles. Peace implies the ability to respond to the surrounding suffering and others needs in ways that affirm faith in the light beyond the darkness. Peace education can help in building visions of peaceful future in which diversity and plurality can be celebrated without fear and threat. Gandhiji through out his life followed the ideal of truth and non-violence. He observed Education is the preparation for complete living adjustment to environment, perfection of one's nature character building and harmonious development of personality. 4 Thus the proper inculcation of human value like peace, harmony and development of character is the responsibility of society. Peace includes ecological balance and conservation. The adoption of life styles conducive to the wholeness of creation. Peace of mind, or the psycho spiritual dimension of Peace. It also emphasized conservation of resources and satisfaction of mind. Peace begins with the individual and spread to the family to the community, to the nation and to the global village. Promoting a culture of peace, hence involves a two pronged strategy. The members of a society need to be oriented towards peace rather than towards violence. At the same time social economic and political systems have to be reoriented to peace. Peace is an education establishing liberation. It is a life style for establishing a peaceful international society. Peace is the work of justice and the fruit of love, but it must also be the production of Education. Peace ensures an education that makes an individual a citizen and creates a learning environment to live in harmony with adjacent nature and act cooperatively Education for peace seeks to nurture ethical development, values, attitudes and skills required for living in harmony with oneself and with others as a responsible citizen. Our prime minister Narendra Modi ji inspired world with International yoga day, CDRI Coalition for disaster resilience infrastructure for disaster mitigation and millets education for health, peace and progress.

ELECTRONIC MONITORING AND ENFORCEMENT OF ROAD SAFETY

Ministry of road transport and highways has issued GSR notification 575 (E) dt 11th August 2021 for electronic safety in excise of power conferred under section 136 A of the Motor vehicles act 1988. The electronic enforcement device means a speed camera, closed circuit television camera, speed gun, body wearable camera, dash board camera, Automatic number plate recognition. Weigh in motion and any such other technology specified by the state government. The electronic enforcement device will be used for enforcement of traffic rules and issuance of challan there on, the devices shall carry an approval certificate issued by the designated authority to ensure proper working of such devices. State government shall ensure that appropriate electronic enforcement devices are placed at high risk and high density corridors on National highways and State highways and at critical junctions at least in major cities with more than one million population including 132 cities under the national clean air program. This initiative will help in enhancing road safety. 5 We have the global positioning system GPS for tracking vehicles with a chip in all vehicles and efforts for driverless vehicles is also appreciable. These depends on satellite communications and causes delay so we need more smart tools to control road accidents and it is possible with the help of remote controls.

GLOBAL PLAN DECADE OF ACTION FOR ROAD SAFETY 2021–2030

UN general assembly resolution 74/299 declared a decade of action for road safety 2021–2030 with the target to reduce traffic deaths & injuries by at least 50% during that period. Adopting technologies to the safety system stimulating the development of safety technology that would be appropriate in a wide range of setting is one part of the leadership challenge. 6 The other part relates to managing the technological revolution and its potential impact. Both positive and negatives on road safety increasing connectivity and other mobile technologies create new opportunities as well as challenges that require assurance and updating of police's regulations and traffic laws.

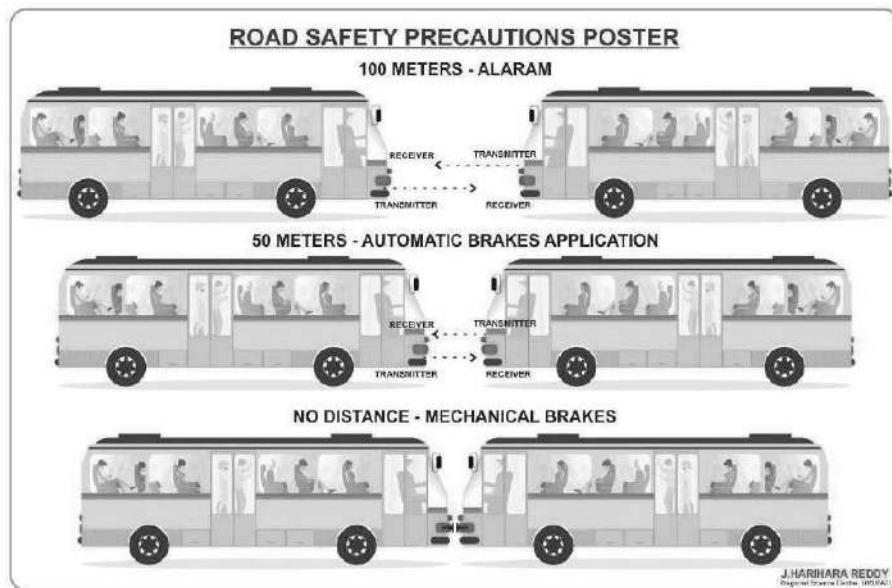
FOUR SECONDS JUST BEFORE VEHICLES ACCIDENTS

The distance between two vehicles running in opposite directions can be divided into 3 parts. Long distance range alarm, medium distance range automatic brakes application, no distance range mechanical brakes application without drivers influence with the help of robots and force transmission rods or electricity transmission wires. We have to arrange transmitters and receivers (like TV remote controls) in front of all vehicles and keep them in on condition for survival.

THEOREM 1: If infrared radio signals are transmitted from vehicle A front part to receiver in vehicle B front position, receivers receive and put on alarm or electromagnet to pull or push brakes connection then vehicles stop and prevent accidents and it's effects reduce the distance between two vehicles running in opposite directions for collision with velocities 100 kmph may be 200 meters. The relative velocity in opposite directions is 200 kmph. Two vehicles may run 28 meters per second each and total distance run by the vehicles in a second is 56 meters. Radio control: 200 meters distance capacity radio remote controls recognize dangerous zone Transmitter in on condition send signals reach and coincide with receiver and start work. i.e is put on electric bell alarm for both vehicles. If drivers recognize, they can put off Automatic brakes radio control and take vehicles into their control carefully, other wise 100 meters distance capacity radio controls work to put on and apply brakes automatically to avoid accidents. Then the distance between them become 30 meters. Thus accidents can be prevented. Long distance 200 meters dangerous zone – alarm, medium distance 100 meters Automatic brakes, touch range or no distance range almost collision Mechanical brakes. Radio signals velocities are equal to light velocities which is more than relative velocity of vehicles. Differences in these velocities are useful to minimize accidents. These are more effective for trains like carriages since they move on rails. Transmitters are enough behind the vehicles to stop nearing vehicles but vehicles front parts have both transmitters and receivers.

REMOTE CONTROLS – ROBOT

A system for controlling machines from a distance by infrared or radio signals which humans can't do in a fraction of second. Example, a remote control gadgets for changing TV channels and Air Conditioning remote control to set temperature and door locking remote controls. ⁷ These gadgets can be used for escaping accidents on roads by fixing them in front of all vehicles. A remote control system commonly has two parts transmitters and receivers. These two parts are to be fixed in front of all vehicles to put on brakes and to cut fuel supply to avoid accidents. These are to be in on condition while in motion or at dangerous places but they don't work, they work when other vehicles approach them without human efforts hence it is a robot.



THEOREM 2: If vehicles approach nearer, initially they touch the nets, fluid or air pillows in the front position transfer accidental forces to brakes before actual collision and stop vehicles then Accidental effects decrease but inertial motion even after brakes compress shock absorber fixed in front of all vehicles. Transmitters alone to be fixed in back side

for all vehicles to control back Vehicles when they reached very nearer. These arrangements in every vehicle may be made mandatory.

LIMITATIONS, in some cases drivers have to overtake front vehicles then they can put off remote control and drive carefully since front vehicles may go slowly.

CONCLUSIONS

Road Accidents should be controlled, we should not think it decrease the population or it is fate, we have 4 deaths In an hour but births are more in the same hour and nearly 1.5 lakh families are pushed down to poverty and unrest in every year. Poverty is the worst form of violence and it leads to many socio economic problems that society can't ignore. Where there is a will there is a way so we have this Innovations and it may not difficult for policy makers to implement it with concerned Research Institutions in India indigenously. Solutions mentioned above are evidence based scientifically proven and daily using tool (TV Remote) can certainly solve or decrease this hazardous road accidents problem, without any delay policy makers, intellectuals, road safety departments like road Research Institutions, vehicles building Research Institutions and every one should try to bring this knowledge for use that can save 1.5 lakh families from by controlling death which is a proper action in UN sustainable development goals. For survival low income and narrow roads countries should think and implement this Innovations and Indians can or may prove we are road safety warriors during G 20 Summit in Indian presidency.

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SATELLITE ON THE SURFACE OF THE EARTH FOR POWER GENERATION AND TRANSPORTATION

BRIEF DESCRIPTION

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Energy crisis is more in rural areas than urban areas. Body M is raised to height h, its potential energy is increased to Mgh and released it falls down, reach its initial position after the removal of effort. This is a reversible machine work. We know falling body energy $PE + KE$ remains constant. Galileo assumption that a released sphere on the top of the ramp slips down and goes on, on the plane surface till it reaches to initial ramp height. But sphere touches the ground, its PE becomes zero and due friction it stops. Foucault pendulum energy remains constant it oscillates long time

Galileo assumption fulfilled and proved that gravitational mass is equal to inertial mass. If we keep a body Mg (source) on inclined surface (A hollow right angle isosceles triangle shaped body with wheels at its base is sink with mass m). Source is heavier than sink. The difference will become available energy that is equal to $MG \tan \theta$. $\tan 45^\circ$ degrees is equal to 1. Available PE can fulfill $F = Ma = Mg$, $a = v - u/t$. Body M is not touching the ground vertically and it is on unstable inclined plane, it tries to come to equilibrium with motion. Gravity is a central force it always acts on source and sink but the difference force keep the triangle in motion like an electron around the proton. If wheels are replaced with toothed wheels on other toothed wheels and connected to generator it can produce Green energy. This is a solution to UN decade of sustainable energy for all.

Green energy contributes to the realization of almost all sustainable development goals including those related to climate rural and urban economic growth, agriculture, health education, water and poverty.

The reality for about 42 million Indians who live in remote villages and lack of reliable access to Electricity. The year 2022 has been earmarked for India to achieve 24×7 power for all mean electrifying more than 70000 households every month. This is possible only on additional power production. Gravity power or water potential energy is generating power at hydro stations. Solid body potential energy can be used for power generation. If a solid body (source) is raised to a height and fixed on (hypotenuse) hallow right angled isosceles triangle shaped body (sink). The body weight becomes horizontal and push it into motion on wheels. This is a satellite on the surface of the earth. All villages will have power stations along with the transformers with this innovation. Gravity potential energy is not limited to any particular area so rural areas or not inferior to any other areas. Sufficient electricity can make Schools efficient if put on computer at required times. similarly hospitals MSMEs agriculture. This will not only a solution to rural areas but also an answer to UN decade of Sustainable energy for all. This on further development can use to land plough etc.

Design for tomorrow's India A satellite on the surface of the earth. Energy Crisis is more in rural areas. If we delete mass from machine its capacity will decrease. Natural powers dominate to do work on it. The first law of thermodynamics can be stated as during an interaction between a system and its surroundings the amount of energy (mass) gained by the system must be equal to the amount energy lost by the surroundings or vice versa. work is not a thermodynamic property. Solid body potential energy can be converted as kinetic energy as in hydro power generation. Mass not added and raised in Foucault pendulum to prove that gravitational mass is equal to inertial mass. Once initiated pendulum in seconds oscillates hours in to and fro. This works like a reversible machine. This is a hallow (mass deleted) right angled isosceles triangle shaped rigid body with mass m sink. Its base is fixed with wheels. A weight (source) Mg is kept on unstable inclined surface. Source is heavier than sink. Weight of the body acts towards the center of the earth and it is vertical to the surface of the earth. If a body

is raised to a height h and kept on unstable diagonal surface, increased potential energy Mgh becomes horizontal then the body and inclined surface moves along the surface of the earth. It can be used as a vehicle for transportation. If it is fixed with toothed wheels at its base and kept on another toothed wheels that connected to generator can produce power. This gravity potential energy is cleaner than electricity. This vehicle does not require continuous pedaling during transportation. This moves like a satellite on the surface of the earth.

SATELLITE ON THE SURFACE OF THE EARTH

According to Galileo released sphere from top of the inclined ramp goes on forever on plain surface area or on no inclination in opposite side. Height decreases to zero and with friction it stopped. Foucault pendulum with little constant height oscillates long time and it can do work against to gravity to raise up and down. It proves that gravitational mass is equal to inertial mass $Mg=Mi$. INERTIA addition and with no change in height and direction can bring our vehicle in to motion like an electron around proton in an atom. Combination of inclined plane with second class lever such as stapler with mechanical advantage of more than one will be a solution for transportation, pollution and energy crisis. A hollow right angle isosceles rigid tilted inclined plane with weight on it converts vertical gravitational potential energy Mgh in to horizontal force. That is equal to $Mg \tan (\phi - \alpha)$, $\phi = 45$ degrees. Horizontal force is equal to centripetal force MV^2/R . Inclined plane base is fixed with big wheels along with weight on it come into motion like a satellite or a vehicle in a central orbit. The energy function of the particle in conservative force field is invariant to changes of time and position of the particle. Weight on inclined plane acts as source and hollow inclined plane acts as sink. Its velocity may approximately be equal to $V = \sqrt{RG}$. $R = 6400$ KM, THE radius of the earth and $g = 9.81$ CONSTANT. It is on the surface of the earth, we calculate with reduced radius will help us to calculate orbital velocity $v = \sqrt{gR}$. Static friction always greater than dynamic

friction To start or get initial velocity electric motor and compound screw jack or hydraulics may be helpful. Ups and downs can overcome with the help of wheels as in aero plane. This can be fixed with steering pedal brakes etc as in our regular machines. To launch space satellite or flight we have to do work against to gravity to rise the height with fuel. No such against more work is in this experiment hence it will be cheaper. Friction less bearings, light but strong rigid material for hollow inclined plane construction may not be costlier than fuel. Inclined plane center of gravity is out of its base, so it is in unstable equilibrium. ITS potential energy Mgh is not equal to zero. Kinetic energy not equal to zero. Total energy Hamiltonian $H = Mgh + \frac{1}{2} Mv^2$ is not equal to zero or it is a constant. This constant energy acts continuously on unstable body leads to lightly damped forced vibrations or steady state motion or comes in to dynamic equilibrium. Bhaskaracharya and Bramhagupta aspirations become true with this fuel less indigenous machine which Works with weights on unstable inclined plane. Gravity continuous attraction adjust to the system frequency and make it alive to move like moon around earth and give us free pollution less energy for transportation and power generation. By replacing wheels with toothed wheels on toothed wheels above ground produce power.

SATELLITE ON THE SURFACE OF THE EARTH

Society requires pollution less fuel less indigenous vehicle that cannot vibrate or disturb environment, and can give wealth is possible only with natural forces. Inclined plane is a simple machine that helps us in many ways in our daily activities. It is further developed with wheels to prove Newton -s first law of motion and to create immediately needed vehicle. Inclined plane starts to move if the body on it is heavier than the plane with big wheels and separated from the earth. Bramha gupta and Bhaskaracharya designed such machines and inspired interest in the entire world through Arabs and Persians hence they are called Indo Arabic or Indo Persian machines like Indo Arabic numbers 2. A hollow isosceles rigid inclined plane converts central force due to rest mass on

it as horizontal force and come into motion with the wheels fixed to its base along the central orbit or on the surface of the earth like a satellite.

INTRODUCTION

We use and instruct to use bicycle to reach our destination and to protect our environment1.

We cannot apply muscle force continuously. To overcome such situation we have to change reversible machine as a regular machine. Reversible machines are weight lifting with a rope on a pulley and a body on inclined plane. If the effort applied on them is removed, they reach to their original position in reverse direction and their potential energy becomes zero without our efforts. Bodies change their place vertically and or slightly horizontally. Configuration and position plays a significant role to keep a body in equilibrium or non equilibrium. It is possible to change equilibrium into non equilibrium by changing its configuration but without changing body height. Inclined plane including earth is larger than the body (tractor or bicycle.) so tractor slips down on wheels. Here earth and inclined plane are merged as one and larger. But body is separated and our main idea is to unite inclined plane and body as one with wheels at inclined plane base and body fixed on inclined plane but earth is to be separated. If we adopt this new hallow isosceles triangle structure and seat (filled with air or springs) on inclined plane with rider or a weight in present bicycle structure, it will become Indian bicycle and make journey ease but required paddling only at ups and downs.

MACHINE

A device capable of making the performance of mechanical work easier, usually by overcoming a force of resistance (the load) at one point by the application of a more convenient force (the effort) at some other point4. In physics, the six so called simple machines

are the lever, wedge, inclined plane, screw, pulley, wheel and axle. Mechanical advantage of second class lever is always greater than one.

Nut cracker, single door, Wheel borrows and staplers are second class levers. In second class levers load is in between fulcrum and effort. Gravity vehicle resembles a second class lever.

SCIENTIFIC PRINCIPLE INVOLVED

Newton's laws of motion: There are three laws of motion as enunciated by Newton.

First Law: Everybody in the universe continuous to be in its state of rest or motion or of uniform motion in straight line, unless it is compelled to change the state by forces impressed on it⁴.

Second Law: The rate of change of momentum of a body is directly proportional to the impressed force and takes place in the direction of the force.

Third Law: To every action there is always an equal and opposite reaction.

Examples:

1. Large amount of force is required to set the lawn roller into motion. Once it has started, a small force is needed to keep it in motion. Similarly considerable amount of force is needed to bring the moving roller to rest.
2. A passenger in a bus falls backward when the bus starts. When the bus starts, the lower portion of the body shares the motion of the bus whereas the upper portion is still at rest. Due to this reason a passenger falls backwards when bus starts. Similarly when a horse suddenly starts, the rider experiences a jerk in the backward direction.
3. A passenger falls forward when the bus in motion suddenly stops. When the bus is in motion, the passenger is sharing the motion comes to rest the upper portion is still in motion and he falls forward. Similarly the rider falls forward when a running horse suddenly stops.

4. The firemen in a railway engine, swiftly moves the coal hood nearer the furnace and suddenly stops the hood. In this process the hood comes to rest suddenly and the coal already in motion continues to move in the same direction and falls into the furnace.
5. A railway engine pushes the uncoupled wagons through a certain distance. The engine suddenly stops but the wagons already in motion continue to move in the same direction.

REVERSIBLE MACHINE

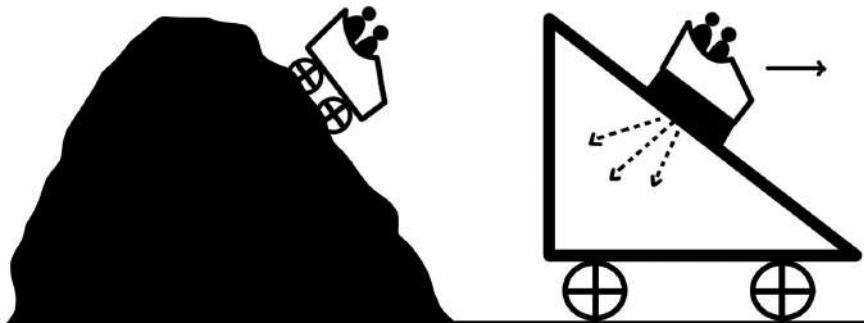


Figure-1: REVERSIBLE MACHINE

We know from experience that to maintain the body in uniform motion we must pull, push or initiate or lift it in the direction of motion to overcome friction. This is true in the FOCOULT PENDULUM.

Inertial mass of an object and its gravitational mass are equal⁵. That is why Foucault pendulum oscillates continuously. Gravitational mass and inertial mass are adding while falling and gravitational mass and inertial mass are subtracting while raising the sphere. Friction and inertia are proportional to mass and they may be against to each other and the resultant of these two will nullify in some cases. But static friction is always greater than dynamic friction. Initially inertia resists the change but while in motion it opposes the change and support the motion.

If a machine is capable of doing some work in the reversed direction, after the effort is removed, then the machine is known as reversible machine⁶. The condition for the machine to be reversible is that its efficiency should be more than 50%⁸. Configuration is a mode of arrangement relative to the position of planets⁷. Its configuration is similar to isosceles triangle. In a more general system, Kinetic and potential energy could each be present in various portions of the system, in varying proportions as the system configuration changed or changed its place in space.

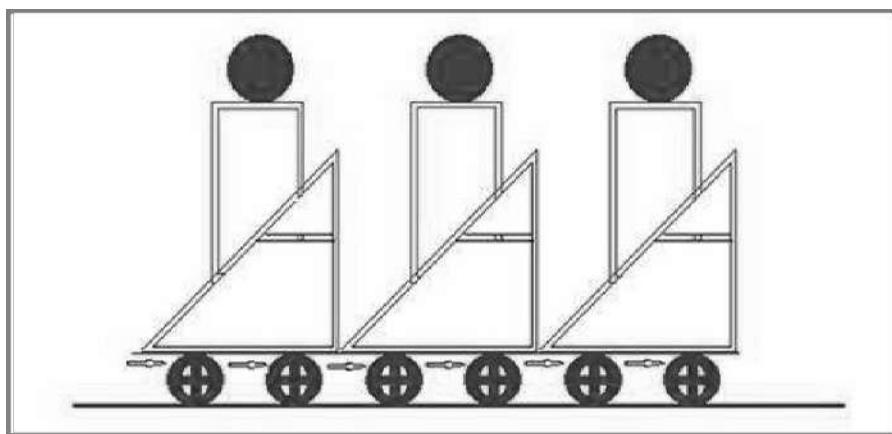


Fig 2: Inertia addition

A work reservoir is a device that we may employ to keep track the amount of work done by or done to a given system. A work reservoir might be visualized as a perfectly elastic spring that is compressed by the work done on it by the system. The kinetic energy of a body is the work that a body can do by virtue of its motion. We express the kinetic energy by the formula $K.E = (1/2) mv^2$. The potential energy of the system of bodies is the work that the system of bodies can do by virtue to the relative position of its parts, that is, by virtue of its configuration. In each case we must determine how much work the system can do in passing from one configuration to another and then take this as the difference in the potential energy between these two configurations or in two Spaces.

Gravity Vehicle



Figure 3: Gravity vehicle

MATERIALS REQUIRED

Big Wheels, weights, strong rigid light hollow inclined planes [material like aero plane wings] frictionless bearings and Race cycle material.

CONSTRUCTION AND WORKING

All objects have weight due to gravity i.e. $W=mg=ma=F$. Weight is a force and it can do work. The potential energy or the self-energy of the system or the work done in assembling it will always be the

same so long as its configuration remains same. For a falling body potential energy plus kinetic energy is equal to constant. It means the falling body is in non equilibrium condition. Its potential energy decreases with increase in kinetic energy and finally it reaches to the ground. Then height (h) becomes zero. But in this experiment heavy weight or body is kept in non equilibrium condition on a strong rigid hallow inclined plane with an inclination of 45 degrees. Its potential energy remains constant but it cannot be in equilibrium and it is in a peculiar state it never reach the ground. Its potential energy never becomes zero, but weight brings the inclined plane into motion along with it like a slipping or falling ladder. Its weight resolved into components similar to stored rest water in the dam. When the gates are closed the vertical weight of the water would not do any work, but if its gates are opened the water and its vertical weight flows horizontally and rotate the turbines and produce the work. We know that when a ladder leans against the wall it exerts pressure on the wall and at the same time wall exerts equal and opposite force³. If the wall is not strong enough, wall and ladder will fall down. It is presented in our experiment to prove the Newton's first law. Weight on inclined plane remains in rest if the inclined plane is merged in the ground. But the incline plane is separated from the earth, force due to weight on it becomes horizontal as in ladder and comes to unstable equilibrium. Earth always attracts it towards its center. Its weight resolved into horizontal force which is equal to $mg \tan (\theta - \alpha)$. Earth attracts the body till it reaches the ground⁵. Inclined plane is arranged with wheels at its base and disconnected to the ground. Existing gravitational vertical free weight or force which changed as horizontal force on the inclined plane brings it into linear motion. Gravity keeps Foucault pendulum always in oscillations. Similarly gravity brings the inclined plane with horizontal force into linear motion like a satellite or a reversible machine on the surface of the earth. But it can be in motion on plain grounds only; ups and downs on the earth surface can overcome with the help of wheels as in airplanes and tractor truck lifting weights with hydraulics.

All pendulums cannot oscillate perpetually but Foucault pendulum can oscillate perpetually. All weights on inclined plane cannot slide or slip but all weights or human bodies weights can move on hallow isosceles inclined plane with wheels at its base can slide or slip on surface of the earth. Weight on the inclined plane acts as source and hallow isosceles inclined plane as a sink. The weight difference will become available energy. In whatever form energy exists work can only be obtained if the energy is present in a state of greater intensity (source) in one portion of the system and lesser intensity (sink) in another part of the system. This is the condition for workable machine or the second law of thermodynamics. This system can satisfy workable machine condition and also reversible machine condition.

Advantages:

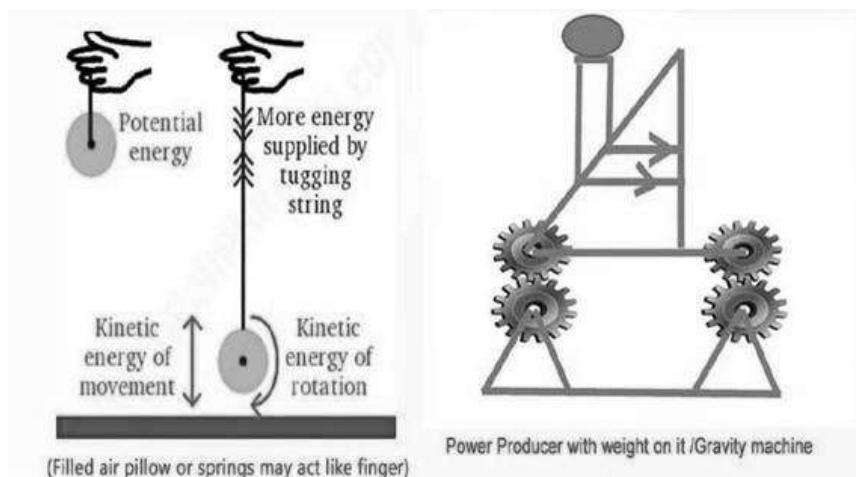
1. Indigenous, fuel less, pollution less, eco friendly machine
2. Input is free gravity and output is motion or journey.
3. Provide health and wealth and can generate electrical power.,
4. Decrease oil usage prevents gas and sound pollution.
5. This Mechanical power is cleaner then Electricity.

The process of economic development is technical change results in improvements in the transformation of inputs into outputs including improvements in the quality of life outputs. This will be a development in technical or simple machinery world.

CONCLUSION

Raised and released YO_YO fall down or descend with gravity and completes 360 degrees several times and also continue to rise up and down vertically against to gravity due to inertia. Here inertia does equal work to the gravity work in opposite direction. Why not inertia can work

along the surface of the earth with constant gravity in the same direction? In fact it is not work since no change in its CG height. Horizontal force due to rest mass or body on the inclined plane overcomes frictional forces due to tyres on earth, bearings and air resistance. Once lifted Foucault pendulum continues its oscillations. Similarly once forced horizontally are initiated for motion this reversible machine or satellite on the surface of the earth will continue its motion. This is a method of application of a central or gravitational force is changed in order to achieve some mechanical advantage. Foucault pendulum has two attraction centers. One the earth's center and the other is the point of suspension of pendulum. Two centers pull in opposite directions. At peak point tangential force become 0 and sphere changes its direction. But this gravity vehicle has its only one center that is earth center. It always pulls the rest mass on the inclined plane towards center and the resultant tangential force never becomes zero. Hence it will be in motion on the surface of the earth like a point satellite. The difference in this vehicle Mass and to the earth Mass is very larg.



(Filled air pillow or springs may act like finger)

Power producer with weight on it/Gravity machine

Vehicle mass is negligible. We may call it as point mass or sphere mass or a point satellite. Earth is a planet and vehicle becomes a point satellite. **References**

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■ **WEIGHT – WIND – VACUUM NATURE VEHICLE**

Vacuum in Atmosphere can be used as sink and Atmosphere as source. If vacuum is maintained in vacuum cylinder, Atmosphere tries to fill the vacuum and push the concave shaped piston inward but obstruction prevent it and transfer Atmospheric force to the cylinder walls make it unstable then it moves on the wheels fixed to its base. But it cannot move against to wind direction. This can move boats on water if it is fixed to to its sides. Vacuum and Atmosphere become a doublet till no leakage and inexhaustible Atmospheric force make it to work long time at free of cost.

INTRODUCTION

People have always searched for ways to make work easier. This was done by devising techniques to use the limited energy they had at their disposal or by controlling new source of power. For example, the events leading to the invention of the wheel. While the greatest discovery was fire. The wheel was the most remarkable invention. The wheel is original with human because there is nothing like it to us in nature. Once started humanity's ingenuity knew no bounds. Nature inspired man to harness wind energy by showing her capacity to do work by pulling and pushing the objects. people soon found that they could harness the wind to propel boats, grind grain and pump water. The first sailor learned to use wind to an advantage about ten years ago. The discovery probably occurred when sailor stood up in the boat and found that the pushed the boat along on a breezy day.

The sail boat could only sail with the wind true sailing ships took many hundreds of additional years to be developed. Sailing ships were usually fast and economical, but they were always at the mercy of the wind like the wind mill that stops when wind stops. The wind could vary from no wind at all to the force of gale or hurricane. In such context man would be inspired to harness wind power perpetually. It may be

called perpetual motion machine. But cumulative experiences of ages concluded that it is impossible to construct a perpetual motion machine that is a machine which can produce energy without the expenditure of energy is impossible. There are indications in the history of science on perpetual motion machines. Our Universe may be a perpetual mobile, human heart works perpetually till it dies and cool down, that is it comes to equilibrium. Examples, The ceaseless wind and restless universe.

Man has tried again and again to harness the wind for his own pleasure and profit. Wind energy has been used for thousands of years to propel sailing ships and for pumping water and grinding grain. The use of Egyptians dates back to 3600 B.C and references to lifting water using machines run on wind are contained in the 400 B.C Kautilyas classic Arthashastra. Man has built wind mills which drive milestones or complicated electric generators and he has constructed ships and aero planes to make the best use of the air streams. The wind helps him in matters great and small, but he does not have them completely under control. Some of them leave him helpless and make a mockery of his ingenuity wisdom and technical knowledge. Some Atmospheric conditions can create air movements of almost unbelievable force and when faced by these, man is merely helpless dwarf who can only pray for deliverance. One of these frightful winds is the tornado. Originally the name only referred to the stormy squalls on the edge of rotating storms. Now a days we called all the extraordinary violent winds of small diameter Tornado. It is certain that extremely hot air must meet cold air before a tornado can be produced. Wind vane invented and used in thousands of years ago and Anemometers are used for measuring wind direction and speed. The rotating cup Anemometer with three conical cups with headed edges is most used. Strip chart recorders have been used for continuously recording and displaying wind speed direction and time. The more advanced electronic data loggers and microprocessor-based data loggers collect and store data on magnetic tape so that Processing and analysis can be done by a computer. Wind –

roses: wind speed frequency distribution, average wind speeds or wind speed frequency distributions by time of day, wind power statistics based on the cube of the wind speed estimates of power based on the wind machine characteristics can be obtained by such instrumentation. The selection of a system for wind measurement would have to consider system accuracy, reliability, suitability costs and the need for frequent inspecting and periodic calibrations. The Beaufort scale matches natural indicators of wind speeds to a measured scale.

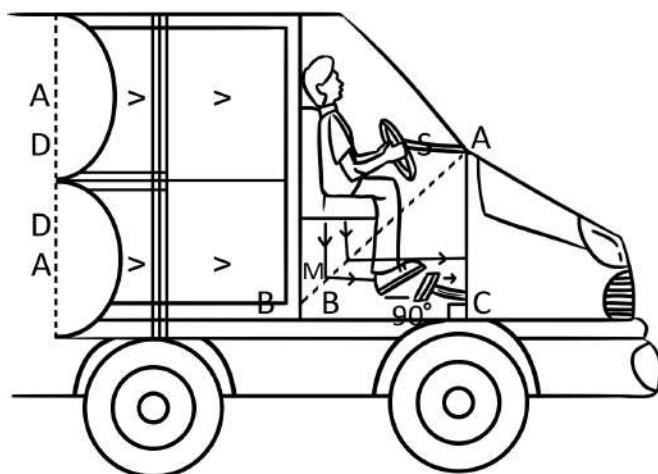
WHICH IS TRUTH, WHICH IS FALSE

Science is a cumulative and endless series of empirical observations which result in the formation of Concepts, laws, proof less statements and prohibitions with both concepts and laws being subject to modification in the light of further empirical observations. Science is both a body of knowledge and the process of acquiring and refining knowledge. Enable learners to develop a sense of responsibility. Understand the relationship between cause and effect. Curriculum satisfies these Concepts but unfortunately Thermodynamics impossible statements which are in curriculum has a negative impact on all. These impossible and prohibitions not only destroy our education but also cease responsibility and interest on essential needs or discoveries. Is refining knowledge and education or developing false beliefs in science curriculum? Do we need this kind of education in NEP 2020? Policy makers should concentrate on this elicit education, yes, they can if they notice it. Wind – Vacuum vehicle is almost a perpetual motion machine but it works in necessities. All machines need source and sink. Atmosphere is source and vacuum become sink. Difference in intensity between Atmosphere and low vacuum becomes available energy.

MASS AND ENERGY

Nature (mass) and energy are same because according to the theory of relativity mass and energy are equal, nature is mass and it is energy. Nature gives us air to breathe, gives us to water to drink, food to eat and

proper usage of natural resources is the growth which depends on labor and capital. According to MANU conversion of waste land into useful land is property. According to KARL MARX conversion of raw material into a product is property. But according to the theory of relativity mass or Atmosphere is equal to energy is also free property to all. It means in performing a job there is always a transfer of energy. Though we seem to be quite familiar with energy it is very hard to define it. The only thing we can say is that it is something which is conserved. Matter is energy that is also called conservation of energy. We cannot create or destroy energy but we can change it from one form to another. Einstein wrote pre relativity physics contains two conservation laws of fundamental importance namely the law of conservation of energy and the law of conservation of mass, these two appear there as completely independent of each other. Through the relativity theory they melt together into one principle.



WIND – VACUUM VEHICLE, Figure captions: A, Atmosphere, V, Vacuum, P Piston, S Steering. High drag coefficient shapes, > Low drag coefficient shapes. D Diaphragm volves, B Battery, M Motor, Δ ABC is right angle isosceles triangle, man weight acts on the diagonal rod, angle of incidence is equal to angle of reflection. Vertical weight converts as

horizontal force and push the vehicle forward. weight becomes input force which is free and always available with gravity. Gravitational force and Atmospheric pressure will become input force. If necessary, pedal rotation with human muscle force can also make available with pedal as in cycle.

Change in Gibbs free energy = Vacuum volume \times Change in cylinder internal pressure.

$$\Delta G = \Delta P \times V$$

ENERGY AND FREE ENERGY

Body potential energy (free Gravity) and Atmospheric pressure (free Kinetic energy) become source or fuel to this vehicle.

EXPERIMENTAL PROCESS

WORK: In mechanics work is defined as the product of the force F and the distance moved x in the direction of the force. Work done $W = F \cdot x$, In S. I system of units, the practical unit of work is Newton meter. The work of 1 N-m is known as joule. In Thermodynamics work may be defined as follows

According to Obert, work is defined as the energy transferred (without the transfer of mass) across the boundary of a system because of an intensive property difference other than temperature that exists between the system and the surroundings. In engineering, the intensive property difference is the pressure difference. The pressure difference (between the system and the surroundings) at the surface of the system gives rise to a force and action of the force over the distance is called mechanical work.

Matter conversion is production or work. In productivity capital and labor plays equal role till today and society is in little balance. We say products in motion, import or export is the economic growth. But

according to SOLOW ROBUST Nobel laureate in economics for the year 1987, long term growth depends mainly on technical progress but not in labor or capital increase. All governments are encouraging capitalists or privatization and technological progress is decreasing the labor value. If both continues further, we must consider what will be the fate of the tomorrow's society. Technological progress must be always encouraged if not we have to depend on others, that means welcoming poverty or lose of independence. Perpetual motion machine though initiated in India and expanded by Arabs in the world was indeed in dead state in India. It is little progress in other countries. So, we must reconsider the SOLOW 'S guidelines to have our independence. Let us start with a hope utilizing Atmosphere in more useful manner is possible. We have already wind mills; it is mercy of winds. The same conditions can use with the help of vacuum cylinders with simple modification. Vacuum (sink) in the cylinder and Atmosphere (source) outside cylinder like a doublet become a system. In whatever form energy exists work can only be obtained if the energy is in greater intensity in one part of the system and lesser intensity in other part of the system. This is the second law of Thermodynamics. This system fulfills this law and can-do work by taking little initiating or input work in little. Inexhaustible Atmospheric pressure and without leakage (no increase inside pressure) makes it unstable long time and produce free work or motion. Atmosphere or nature abhors vacuum hence air applies pressure from all directions like fire in heat engine but resultant is in the required direction. Similarly concave shaped hemispheres at piston rod ends outside direction will become the force for our motion. Diaphragm valves can change perpendicular area to Atmosphere and helps to control it. It may not work against to wind direction but battery and electric motor with gears can overcome to continue its motion. Trade winds, monsoons and calm wind is helpful to this machine and they are available long time. This can work long time

with free Atmospheric pressure and become cheap transportation to common man in local distances.

$$\Delta G = \Delta P \times V$$

ΔG is change in Gibbs free energy, ΔP is change in internal energy or pressure due leakage and V is internal low vacuum volume. Volume is constant since pistons inward movement is less obstructive transfer piston forces to the walls or boundary, No leakage with proper construction no change in inside pressure, in equation two variables are constant, third variable ΔG becomes constant. Free energy always acts on it and it continues its work in necessities.

ADVANTAGES: This is a nature machine; its input is free Atmosphere available at all places all times at free of cost but not imported hence it is cheap. This is low-income people vehicle. Its size can increase as per necessities. Information on wind direction should always be available with this vehicle.

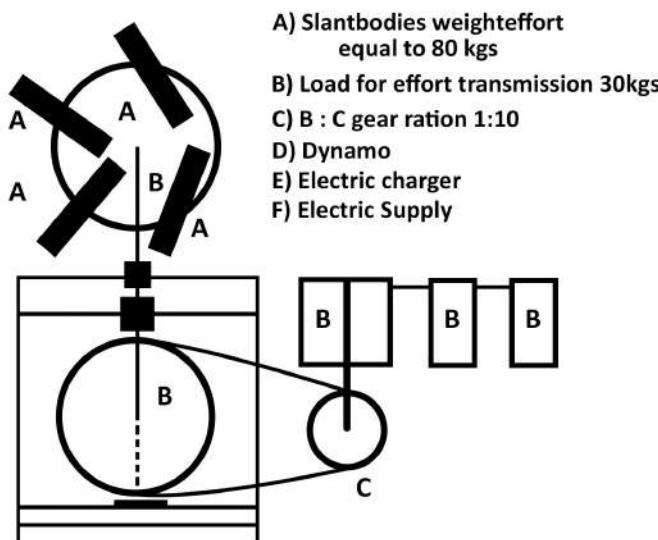
SATELLITE ON THE EARTH SURFACE combined with WIND VACUUM VEHICLE with gravity and wind force can overcome ups and downs with wind, opposite wind direction with gravity. Thus, nature forces gravity and wind together develop free vehicle. In the figure ΔABC is right angle isosceles triangle, man weight acts on the diagonal rod, angle of incidence is equal to the angle of reflection. Vertical weight converts as horizontal force and push the vehicle forward. Weight becomes input force which is free and always available with gravity. Gravitational force and Atmospheric pressure will become input force. If necessary, pedal rotation with human muscle force can also make available with pedal as in cycle.

GRAVITY MILL

Gravitational scattering is the process by which two or more celestial objects interact with each other through their gravitational fields, altering their trajectories. It's a fundamental concept in astrophysics and the study of dynamic systems. Explanation Gravitational scattering occurs when the paths of particles are deflected by a massive body. The change in velocity of a particle is determined by the gravitational force and the mass of the particle. The angle of scattering is determined by the impact parameter. This resembles Sir CV Raman light scattering.

A ball thrown to wall come back with the same angle and reach to us. Ball and its force are less and wall is strong. Weaker one change its direction. But the same ball thrown to the brick rotates the brick and goes away. Angle of incidence is equal to angle of reflection. Similarly we design to use. (Ball and brick ball play like cricket) Gravity with mass become force. Body on the ground has no potential energy and it is in equilibrium. We can bring change in its state by increasing its height, elevation or configuration. Increasing height increasing its potential energy. Many scientists tried to use potential energy for our growth but unable to increase its work time though Gravity acts continuously. We have many simple machines and reversible machines. If a body is capable to do the work done on it when effort applied on it is removed, in reverse direction it is called a reversible machine and it's efficiency is more than 50 % otherwise it is irreversible or self locking machine. Central force is a conservative force. It depends only on initial and final states but not on the path taken. Total energy is equal to potential energy plus kinetic energy. We can't create or destroy energy but we can change potential energy to kinetic energy or kinetic energy to potential energy. A body rests horizontally or vertically can be in equilibrium state, If it is in slant or inclined 45 degrees and fixed at certain height, its potential energy can't be zero. Earth pull it but it tied. If it is heavier it brings change in tied body with it like brick and ball, if it lighter it struck with heavier one. A body weight mg and the angle of inclination

is 45 degrees, hence reflection becomes horizontal and it is equal to mg since it is heavier. inclined rigid rods total weight becomes horizontal force. It looks like ANEMOMETER but not with cups but with inclined rods weights act like couples which have equal forces but in opposite directions on a straight line. ANEMOMETER has only three cups but we can arrange 6 or 8 inclined bodies like even number couples. The work done by a gravity forces on a rotating body will be the product of weight W by its change in elevation h . Work is readily transformed into other forms of energy. For example in to potential energy by elevation of a weight into kinetic energy by acceleration of a mass.



- A. Slant bodies weight effort equal to 80Kgs
- B. Load for effort transmission 30 Kgs
- C. B: C gear ration 1: 10
- D. Dynamo
- E. Electric Charger
- F. Electric Supply



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EARNED ENERGY MACHINE

GRAVITATIONAL FIELD

The region of space surrounding a body that has the property of mass. In this region any other body that has mass will experience a force of attraction. The ratio of the force to the mass of the second body is the gravitational field strength. Mass. A measure of body's inertia. The property of matter that causes it to resist any change in its motion. Thus a body at rest remains at rest unless it is acted upon by an external force and a body in motion continue to move at constant speed in a straight line unless acted upon by an external force. This is a statement of Newton's first law of motion. (Galileo inclined plane and sphere motion till it reaches to same height). Mass is energy. Potential energy is due to mass elevation of configuration $PE = mgh$. The potential energy of a system changes only when the separations between the parts of the system change. In other words the potential energy depends only on the separation between the interacting particles. Mass in motion has kinetic energy $KE = \frac{1}{2}mv^2$.

Work, The work done by a force acting on a body is the product of the force and the distance moved by its point of application in the direction of the force. Work is the scalar product of the force and displacement vectors. It is measured in joules. Force The agency that tends to change the momentum of a massive body, defined as being proportional to the rate of increase of momentum mv . m is mass and v is velocity.

COMBINATION OF TWO mutually perpendicular forces or simple harmonic vibrations of equal frequencies results a circle of radius r . If vectors P and Q are perpendicular to each other, then $\theta = 90$ degrees $\cos 90 = 0$ and $\sin 90 = 1$, Result $R = \sqrt{P^2 + Q^2} = \sqrt{P^2 + Q^2} = \sqrt{2P^2}$, since $P = Q$, $R = \sqrt{2}P$, $\alpha = \tan^{-1} 1 = 45$.

If the direction of a force of constant magnitude applied on a body is always at right angles to the direction of its motion, then it describes

a circular path and it's kinetic energy remains constant. Similar examples, Fourier series, Lissagious figures and electromagnetic waves. Combination of two perpendicular forces becomes circular motion as seen from an inertial frame, a resultant nonzero force like gravity must act on the particle. That is because a particle moving in a circle is accelerated and acceleration can be produced in an inertial frame only. Magnitude and speed remain constant but direction always changes. The resultant force is directed towards the Centre, it is called centripetal force. Centripetal force as an upward force or a downward force is not a new kind of force and in simple harmonic motion energy is conserved or remain constant

ADDITION OF TWO PERPENDICULARLY COMBINED COUPLES

Two couples having the same moment M are equivalent, whether they are contained in the same plane or in parallel planes. The two intersecting planes $P1 \& P2$ and two couples perpendicular to each other acting in $P1 \& P2$. Sum of 2 (downward+ upward) couples of moments $M1 \& M2$ is equal to the vector sum of $M1 \& M2$. The combination of two simple harmonic motions of equal amplitude in perpendicular directions differing in phase by 90 degrees is a circular motion. Lengths or radius is constant, phase difference 90 degrees is constant, Gravitational mass is equal to inertial masses are constants. The system can reach to resonance condition very easily by overcoming frictional and bending losses.

We have many perpetual motion machines attempts by Lallacharya, Bramha gupta, Bhaskaracharya with Gravity and vertical circular motion but with change in center of gravity became failures. In EARNED ENERGY MACHINE no such variations. A circus stuntman can complete many vertical circular revolutions with out external forces except his actions and Gravity. If a particle is projected from the lowest point with velocity u and moves along the inside of the arc of a smooth vertical circle, if u^2 is greater than or equal to $5gr$, the particle makes complete revolutions. If u^2 less than or equal to $2gr$ the particle

oscillates on each side of the lowest point. We have many examples with resonance like Takoma narrows bridge collapsed with air force gale and Gravity or inertia.

CONTINUUM, A system of axes that form a frame of reference. The three dimensions of space X, Y, Z and the three are mutually perpendicular to each other. X is perpendicular to Y is perpendicular to Z is perpendicular to X and the dimension of time together can be taken to form a four dimensional continuum. The compound pendulum consists of a rigid body Swinging about a point with in it. The period of such a pendulum is given by $T = 2\pi\sqrt{[(h^2+k^2)/hg]}$, where k is the radius of gyration about an axis through the center of mass and h is the distance from the pivot to the center of mass. This innovation is based on the above facts.

CONTINUOUS SYSTEMS, we have systems such as beams rods etc which have their mass and elasticity distributed continuously throughout the length. Such systems are known as continuous systems. Since such systems are supposed to be made of infinite number of degrees of freedom and hence infinite natural frequencies of the system. The vibratory motions of such systems are described by space and time which can be determined from boundary conditions and initial conditions as well. Thus the problems are boundary value based.

BOUNDARY CONDITIONS, The value of unknown constants can be determined by applying either geometric or natural or both boundary conditions. Geometric boundary conditions are caused because of geometric compatibility. For example if the bar is free at both ends, the displacement and slope can't be zero, example, motor or generator. Natural boundary conditions are caused due to force and moments. For example if the bar is free at both ends, it is free to rotate and no bending moment and so on so forth. Initial conditions are related to time.

STEADY STATE VIBRATION. When some external excitation is applied to a system two types of motion namely steady state and transient

motion are generated. The steady state motion is not dependent on time and so it persists. The transient motion is temporary and time dependent so it vanishes soon. We need steady state motion with nature forces like falling body (Gravitational masses) acceleration, positive or Gravitational pull and raising body (inertial masses) retardation negative. Acceleration and retardation makes it transient but many parallel planes average make it continuous. However the transient vibration or motion is important in both cases when the excitation is sudden and unexpected or continues. The system vibrates with its natural frequency and amplitude is purely dependent on the magnitude time and nature of excitation. The examples of transient vibration are the air pressure, moving of automobile on uneven surface or curbs on the roads.

SELF ENERGY, The potential energy or the self energy of the system or the work done in assembling it will always be the same so long as its configuration remains the same. The potential energy (U_s) , $= -\frac{1}{2} G \sum_i \sum_j m_i m_j / r_{ij}$ is the potential energy of the system. as a whole and can't be assigned proportionately or otherwise to the individual masses comprising the system. It is in fact a sort of binding energy which keeps the masses bound into a system of this particular configuration.

REVERSIBLE MACHINE

A machine is said to be reversible when the load W gets lowered or it reaches to its original position on removal of the effort. The condition for reversible machine is that its efficiency should be more than 50%. In this machine different parts are raised to height h and increased their potential energy and are free to move but can't reach the earth. Mutually perpendicular (Right angle isosceles shape) coupled pendulum resultant force is $\sqrt{2} x$ that is magnitude remains constant and its slope is 45 degrees which is neither horizontal nor vertical and it is in unstable equilibrium, tries to reach stable equilibrium but can't and central force or Gravity keeps in rotation with the support of inertia.

INNOVATION AND EXPERIMENT

EARNED ENERGY MACHINE is similar to Blackburn pendulum mechanical method for verification of Lissagious figures. W or M is rotated by 90 degrees they become Greek sigma. (Symbol for sum). Similarly Blackburn pendulum on rotation by 90 degrees change vertical and horizontal planes as horizontal and vertical planes. Conservation of angular momentum of a system, A consequence of rotational invariance of potential energy. The conservation of linear momentum of a system of particles is a consequence of translational invariance of the potential energy of the system, so also the conservation of angular momentum of a system of particles is a consequence of rotational invariance of the potential energy of the system. That is the angular momentum of the system remains conserved if its rotation does not bring about any change in its potential energy. Example, Motion of planet or a satellite in its orbit. Earth and moon. The angular momentum of the whole system about the point is the vector sum of the angular momenta of individual particles about that point. The vector product $r \times F$ is called torque. (Moment of force) about the fixed or reference point. The torque or the time rate of change of angular momentum of the system about the fixed or reference point is the sum of the torques of all the external forces (Gravitational and inertial) acting on the system. The total angular momentum of the system about the fixed or the reference points is the vector sum of the angular momentum of the center of mass about that point and the angular momentum of the system about the center of mass.

HARMONIC MOTION AND CIRCULAR MOTION

The repeated back and forth and up and down movement between two positions or states of an object is known as oscillation. Circular motion can be described as a combination of two simple harmonic motions. It is that combination of two simple harmonic motions, occurring along perpendicular lines, which have the same amplitude and frequency but differ in phase by 90 degrees. When one component is at the maximum displacement, the other component is at the equilibrium. Feedback The use

of the output of a system to control its performance. In positive feedback the output is used to enhance the input can take place in our Innovation.

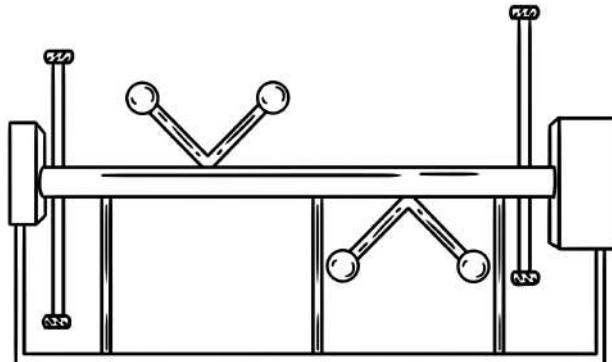
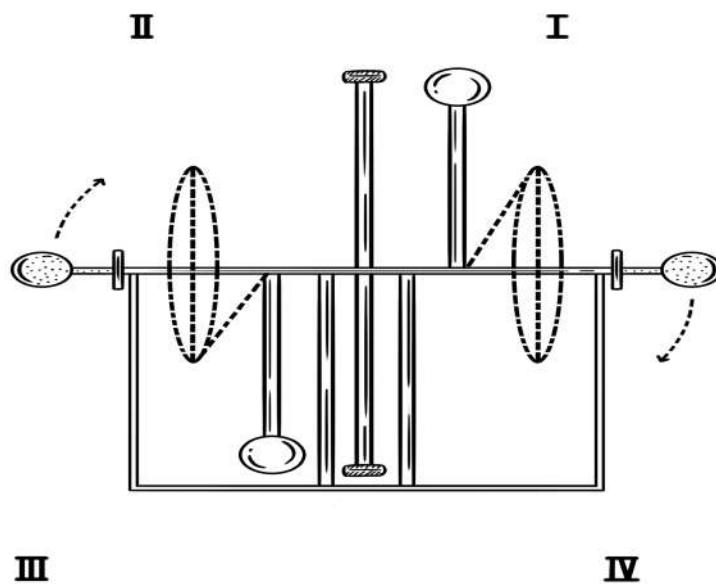
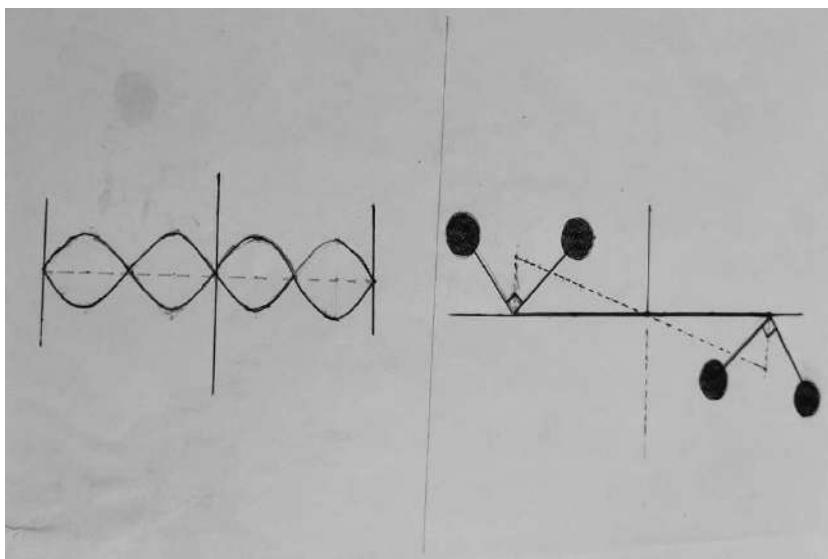


Figure Captions 1. Pillars, 2. Rigid shaft through bearings and on pillars, 3. Electric magnets, 4. 90 degrees L shaped compound pendulums with spheres, 5. Principle instantaneous center (cg) of whole system, 6. Secondary instantaneous center, L shaped couple pendulums (cg), 7. Generators





1. Addition of couples
2. Waves interference
3. In standing wave + is node or stable equilibrium and x is antinode or unstable equilibrium

DRIVEN HARMONIC OSCILLATOR

When a harmonic oscillator oscillates in a medium like air, it's oscillations get damped. I.e it's amplitude falls exponentially with time to zero. If however we apply an external periodic force to the oscillator of a frequency not necessarily same as its own natural frequency, a site of tussle ensues between the damping force tending to retard it's motion and the applied force tending to continue it. So that after some initial erratic movements, it ultimately succumbs to the applied or driving force and settle down to oscillating with the forcing or the driving frequency. (The frequency of the applied or the driving force) and a constant amplitude and phase so long as the applied force remains operative. An oscillator, thus compelled to oscillate with the frequency other than its own natural frequency is called a driven harmonic oscillator and the oscillations executed by it are called driven forced oscillations. A different situation arises, however when the body is subject to an oscillator external force. As examples a bridge vibrates

under the influence of marching soldiers stop marching to prevent bridge collapse. The oscillations that result are called forced oscillations. These forced oscillations have the frequency of the external force and not the natural frequency of the body. However the response of the body depends on the relation between the applied force and the natural frequency. A succession of small impulses applied at proper frequency can produce an oscillation of large amplitude. A child using a swing learns that by pumping at proper time intervals he can make the swing move with a large amplitude. But the pumping force is with gravity, the amplitude rises and become equal to diameter that complete vertical circular revolutions. In the particular case of forced oscillations when the frequency of applied force is the same as natural frequency of the oscillator itself, we have the phenomenon of resonance or resonant oscillations.

COMPOSITION OF TWO SIMPLE HARMONIC MOTIONS IN SAME DIRECTION

A simple harmonic motion is produced when a restoring force proportional to displacement acts on a particle. If the particle is acted upon by two separate forces each of which can produce a simple harmonic motion, the resultant motion of the particle is a combination of two simple harmonic motions or constructive interference. The resultant of two simple harmonic motions along the same direction is itself a simple harmonic motion. The amplitude and phase of the resultant simple harmonic motion depends on the amplitudes of the two component simple harmonic motions as well as the phase difference between them. The law of superposition: The gravitational force obeys the law of superposition. The force due to collection of particles is the vector sum of the forces exerted by the particle individually. We find that forces obey the principle of superposition. The acceleration produced by several forces acting on a body is equal to the vector sum of the accelerations produced by each other forces acting separately. This is a central force machine like YO – YO. On relaxing the YO-YO,

it rotates down with Gravity pull along with its center of gravity and continue to rise along with its center of gravity with inertial force.. potential energy convert as kinetic energy while descending and kinetic energy converted back as potential energy while ascending but always total energy is constant. If the work done by a force depends only on the initial and final states and not on the path taken it is called a conservative force. Thus the Gravity is a conservative force. YO – YO fall and rise the initiating time is less than its working time. The forces act on it is Gravitational force and inertial force. CG falls and rises vertically. It is not difficult to rotate CG around the axle with Gravity and inertial forces. Right angle isosceles shape bodies with sphere at the separate ends and combined end is fixed in the axle, axle is x axis, the other two are Y Z axis perpendicular to each other. Right angle isosceles triangle center of gravity can be calculated with the formula $CG = (X1/3 + X2/3 + X3/3, Y1/3 + Y2/3 + Y3/3)$, The coordinates are (0, 0), (60, 0), (0, 60) then CG is $(60/3, 60/3)$ that is (20, 20) does not lie on X, Y, Z axes and is in unstable area and it's distance is 20, 20 units from Y, Z axis. X axis or horizontal axis is free to rotate spheres fall down in same plane like a coupled pendulum and rises. Similarly many such right angle isosceles shape rigid rods combined with spheres are fixed to the X axis like parallel planes. X axis is raised to height h and fixed on pillars with frictionless bearings, x axes both ends are free to rotate. The forces acting perpendicular to each other have constant magnitude and it's direction always changes like a circle. These pendulums can't fall on the ground their potential energy can't become zero. Gravitational force acts on falling spheres and inertial forces acting on raising spheres. Superposition of waves add together in different parallel planes and complete vertical circular revolutions. X axis ends are fixed with magnets or armature or fly wheels but their CG don't change. Falling spheres mass plus magnets mass is more than raising spheres mass, hence complete vertical circular revolutions can generate electricity with Gravity and inertial mass forces which are perpendicular to each other like electromagnetic waves.

One day man will connect his apparatus to the very wheel work of the universe and the very forces that motivates planets in their orbits and continue to rotate will rotate his own machinery. NIKOLA TESLA on Perpetual motion machines. Indian aspirations on Perpetual motion machine become true, This can work in necessities but not for forever. This is related to high grade energy but not impossible prohibited low energy like temperature machine. This will become solution for UN DECADE OF SUSTAINABLE ENERGY FOR ALL. Abundant electricity generation can decrease carbon fuels and reduce carbon emissions and global warming. Fuels transportation decrease on roads and reduce fuel transportation vehicles accidents.

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GRAVITY GIFT POWER MACHINE

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ABSTRACT

Energy is eternal delight. Machines allow us to do work more easily but the present machines do not reduce the mechanical work or cost and environmental degradation required that has to be done for a particular job. work is the multiple of force and distance. They need fuel a material for a fire or something that maintains or intensifies emotion excetra. We have many machines and Fuels but their implications are equally good and bad on human lives and environment. world attention is on reducing carbon emissions and for non conventional energy sources. This means scientists are now trying to use natural forces in a better manner. This efforts resembles to construct a perpetual motion machine but not for forever working machine. To lift the weights we have compound pulley, differential Pulley often called a chain hoist, block and tackle and wheelchair to lift yourself up. Sliding vehicle bodies with conservative force on slope overcome the frictional non conservative force. so we have GRAVITY GIFT POWER THEOREM: IF UNSTABLE CONSERVATIVE (CENTRAL) FORCE (POTENTIAL ENERGY DUE TO GRAVITY) OF THE VERTICALLY FALLING BODY IS GREATER THAN NON CONSERVATIVE FORCE (FRICTION) THEN THE TOOTHED WHEELS ROTARY MOTION (FALLING) OF THE BODIES PERSISTS LIKE A REVERSIBLE MACHINE AS LONG AS NO CHANGE IN ITS P.E, ITS CG AND THEY ARE IN UNSTABLE EQUILIBRIUM.

We are doing works against to natural forces. We have to invert them. Inverted compound Pulley will become a nature machine that can convert body weight or potential energy

as kinetic energy without affecting the environment. This is known as a gravity gift power machine. This is a combination of compound Pulley (Archiemdis) and gears (Heron) gives this inverted compound Pulley. It looks like offset cam and offset follower with toothed wheels and a frame. Pulleys are replaced with gears. A heavy Weight has to rise and arrange it with initial work on the cam. Its potential energy is the source. Empty space under the cam is sink which make the cam unstable with toothed wheel at lower end will become driver. Cam has opportunity to fall freely. Cam toothed wheel connected with follower toothed wheel convert the force that comes to the gears and starts rotating. But we must initiate rotation with handle at the follower to overcome static friction. compound Pulley input force is pulling but gravity gift power machine input force is pushing pressing or falling weight on the cam. compound Pulley motion is rotational and translational but gravity gift power machine motion is only rotational. This rotating shaft if connected to generator generate power with gravity a central force at low cost with out affecting environment and will become a solution to UN decade of Sustainable energy for all and a solution to rural energy problems. The electricity produced in it can rotate wings to fly along with it like drones in the sky and if rotating shaft is connected to an axle it will be come a vehicle on roads and on ocean surface.

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Key words: GRAVITY, CAM, FOLLOWER, PERPETUAL MOTION MACHINE.

INTRODUCTION

Transformations of energy: transformations of energy and matter underlie all natural and social events, in effect nothing happens in this

world without some energy potential to explain its occurrence. energy from the sun drives all natural cycles and has provided conditions from which life has sprung. Through evolution the system has developed Complex paths to tap the sun's energy based primarily on photosynthesis. In turn, the energy stored by the plants has allowed for more Complex and varied organisms to evolve. Today human societies have become increasingly dependent on some of this photosynthetic storage energy in the form of fossil fuels, which are the lifeline to modern industrial societies. the rise in the prices of Petroleum during the last few years has had a devastating effect on the Economics of most societies. This tendency is likely to continue and be accentuated during the coming decade, therefore availability and cost of energy resources will be an important determinant of what societies will be able to achieve, it has already become evident that control over energy and material resources will also have a profound effect on International relations. Although Einstein showed that matter and energy or equivalent physical categories, under ordinary conditions on earth. they are not easily convertible into one another. Matter assumes highly heterogeneous forms represented by the chemical elements. These are the material resources that all societies must use to function. Materials are always required to perform work, Transform energy or accomplish any productive task. since the material requirements of modern societies have increased dramatically during the last decades, price and availability of certain materials may pose added constraints to economies in the future. In addition human influence the earth's natural circulation of materials through the atmosphere land water and biosphere as a whole. Anthropogenic sources of carbon, nitrogen, sulphur and phosphorus already have a noticeable and sometimes alarming impact, in the natural cycling of these elements. The laws of the transformation of energy and matter, as well as principles of ecosystem are fundamental constraints spaceship¹.

Gravity: The phenomena associated with gravitational force acting on any object that has mass and is situated within the earth's gravitational

field. The weight of a body is equal to the force of gravity acting on the body. According to Newton's second law of motion $F = ma$, where F is the force producing an acceleration 'a' on a body of mass m . The weight of a body is therefore equal to the product of its mass and acceleration due to gravity g , which is now called the acceleration of free fall. By combining the second law of motion with Newton's law of gravitation ($F = G M_1 M_2 / d^2$) it follows that $g = GM/d^2$. where G is the gravitational constant, M is the mass of the earth, and d is the distance of the body from the center of the earth body. For a body on the earth surface $g = 9.806\ 65$ meters per second square.²

GRAVITATIONAL FIELD: The region of space surrounding a body that has the property of mass. In this region any other body that has mass will experience a force of attraction. The ratio of the force to the mass of the second body is the gravitational field strength. Let us consider the earth is an isolated mass. If a body is now brought in the vicinity of the earth a force is exerted on it. This force has a definite direction and magnitude at each point in space. The direction is radially in towards the center of the earth and the magnitude is mg . We can therefore associate with each point near the earth a vector g which is the acceleration that a body would experience if it were released at this point. We call g the gravitational field strength at the point in question. since. $g = F/m$. We may define gravitational field strength at any point as the gravitational force per unit mass at that point. The gravitational field is an example of a vector field each point in this field having a vector associated with it. There are also scalar fields, such as the temperature field in a heat conducting solid. The gravitational field arising from a fixed distribution of matter is also an example of a stationary field, because the value of the field at a given point do not change with time.⁴

Gravitational constant symbol G the constant that appears in Newton's law of gravitation; it has the value $6.67259\ (85) \times 10^{-11}\ \text{Nm}^2\ \text{Kg}^2$. G is usually regarded as a Universal constant although in some models of the universe it is proposed that it decreases with time as the universe expands.

Gravitational potential; The gravitational potential at a point due to the gravitational field of a body of mass M is equal to work done in taking a body unit mass from infinity to that point. It is customary to take the gravitational potential at Infinity to have the value zero. If the body of mass M is taken to be a sphere then the gravitational potential at a distance R from the center of the sphere is given by $-GM/R$ where G is the gravitational constant. The significance of negative sign is that the potential at Infinity has a higher value than it does near the body.

Fundamental interaction: This types of interaction that can occur between bodies. This interaction can takes place even when the bodies are not in physical contact and together they account for all the observed forces that occur in the universe. Gravitational interaction some 10^{40} times weaker than the electromagnetic interaction, is the weakest of all.

Newton's law of gravitation: There is a force of attraction between any two massive particles in the universe. For any two point masses m_1 and m_2 separated by a distance d , The force of attraction F is given by $F = m_1 m_2 G / d^2$ where G is the gravitational constant. Real bodies having spherical symmetry act as point masses positioned at their center of mass.

Newton's laws of motion. The three laws of motion on which Newtonian mechanics is based.

- 1 A body continuous in a state of rest or uniform motion in a straight line unless it is acted upon by external forces.
- 2 The rate of change of momentum of a moving body is proportional to and in the same direction as the force acting on it. $F = d(mv)/dt$ where F is force. v is the velocity of the body and m its mass. If the mass remains constant, $F = mdv/dt$ or $F = ma$, where a is the acceleration.
- 3 If one body exerts a force on another there is an equal and opposite force called a reaction exerted on the first body by the second.

INERTIA: The property of matter that causes it to resist any change in its motion. Thus a body at rest remains at rest and a body in motion continuous to move at constant speed unless acted upon by an external force. The mass of a body is a measure its inertia.

Flywheel is a mechanical device specifically designed to efficiently store rotational energy. Flywheels resist change in rotational speed by their moments of inertia. The amount of energy stored in a flywheel is proportional to the square of its rotational speed. Yo – Yo vertically rise up against to gravity due to inertia and it shows that gravitational mass is equal to inertial mass.

ENERGY: A measure of a systems ability to do work. Like work itself, it is measured in joules. Energy is conveniently classified into two forms. potential energy is the energy stored in a body or system as a consequence of its position shape configuration or state that includes gravitational energy. Kinetic energy is the energy of motion and is usually defined as the work that will be done by the body possessing the energy when it is brought to rest. For a body of mass m having a speed V the kinetic energy is $mv^2/2$. The rotational kinetic energy of a body having an angular velocity Ω is $I\omega^2/2$. where I is moment of inertia. The energy of a body is the sum of the potential energy and the kinetic energy of its component atoms and molecules. The second law of thermodynamics: The law states that no process involving an energy transformation will occur spontaneously unless there is a degradation of energy from a concentrated to a dispersed form. It explains That transformation of energy is not 100 %. Energy flows from a region of high concentration to a lower one and work is performed through degradation of energy.

The definition of energy: Every change in the condition of matter is to be ascribed to the operation of one or other forms of energy. The energy is composite of two factors, an intensity factor and a capacity factor, and is indeed, the product of these two factors. The intensity factor is the measure of the resistance offered to the change of condition resulting from the operation of the energy. The energy can only operate when this resistance is either withdrawn or overcome. Such an intensity factor tending to produce a change is known as a force. A Force, overcoming a resistance to an extent which we may

designate as the capacity factor, performs work, expends energy. With a given force, the energy expended or the work performed varies directly as the capacity factor. In the production of motion the energy expended depends therefore on the force required to produce motion against a resistance and on the distance through which the object acted upon is moved. In the raising of an object of mass m against gravity g , through a height h , the force exerted in a position to gravity is mg and the capacity factor is the height h , the energy expended becomes therefore the product of mgh . in the production of a volume change dv in any body against an external pressure p , the intensity factor or force P , acts through a volume dv which is capacity factor. the work done or energy expended is the product of the two factors, pdv . All energy changes of whatever form maybe similarly resolved into two such factors. The unit of energy in the c.g.s. System of units is the Erg. it is the energy associated with a force of one dyne acting through 1 cm. A dyne is the force which acting for one second on one gram produces a velocity of 1 centimeter per second in the body upon which the force is impressed. it is related to the action of gravity up on a mass m . the gravity produces an acceleration of 980.6 cm per second when acting upon a mass at sea level and 45 degrees latitude. the weight of 1 gram divided by $g = 980.6$ cm per second. is equivalent to 1 dyne.³

We have two basic types of energy transitional and Stored. transitional energy is energy in motion and as such can rise up and down along the structure boundaries. Mechanical energy is defined as energy which can be used to raise a weight. stored energy forms as implied are energy forms that can exist as mass position of a substance in a gravitational force field. These Stored energy forms can usually be easily converted into some form of transitional energy. The transitional form of mechanical energy is called work. Stored mechanical energy may be lumped under a general energy term called potential energy. potential energy is the energy associated with a substance position in a force field. The classical thermodynamic definition of potential energy is the energy associated with position of substance in a gravitational force field⁵.

The classical thermodynamics Definition of kinetic energy is the energy of the substance due to its position in an inertial force field. The energy associated with compressed fluid. The energy associated with a substance position in an elastic strain field and in a magnetic field. Thus stored mechanical energy can exist in the form of elevated heights, flywheels compressed air, springs and magnetic attraction of iron bodies.

Gravitational self energy of a body: The gravitational self energy of a multi particle system is its potential energy or the work done in assembling the particles into a system of a given configuration, the gravitational self energy of any material body may be defined as its potential energy or the amount of the work done in assembling the body from its infinitesimal particles initially supposed to lie infinite distance apart from each other. it is thus the energy of the total mass content of the body. The potential energy or the self energy of the system or the work done in assembling it will always be the same So long as its configuration remains the same. It is in fact a sort of binding energy which keeps the masses bound into a system of this particular configuration. So that just as we associate the elastic potential energy of a spring with its compressed or stretched configuration and consider it to be stored up in the spring itself, so also we must associate the potential energy or the self energy of a system of masses with the configuration of the system and consider it to be stored up in their gravitational field. any change in the configuration of the system will thus inevitably result in a change in its PE. Further the negative sign of the expression for the potential energy or the self energy (U_s) of the system indicates that energy is liberated when the masses are bought into their respective assigned positions in the system and the positive sign of the expression for U_s in the case of a system indicates that energy has to be supplied to be brought into their respective assigned positions in the system. infinite small particles which assembled together comprise the body. we have gravitational self energy of a body potential energy or self energy of a

multi particle system the gravitational potential energy of two masses M1 and M2, a distance R12 is defined as we know as the amount of work done in bringing them from there initial infinite separation to their present distance apart. similarly the gravitational potential energy of a system of three masses is equal to the amount of work done in assembling them from their initial infinite separation into their present configuration of the system this may therefore equally well be called the self energy of this configuration of the system. To calculate the gravitational potential energy of the self energy of the system all we need to do is to calculate the work done in arranging them in this particular manner. We have n masses are particles in the system, the total potential energy or the gravitational self energy of the n particle system will be given by $U_s = -G \sum_{i \neq j} \frac{m_i m_j}{r_{ij}}$. It must be emphasized very clearly here that the forces involved being conservative it does not matter which of the masses we move first or last and by what path we bring them into their assigned position in the system.

WORK; In what ever form energy exist work can only be obtained if the energy is present in a state of greater intensity one portion of the system and lesser intensity in another portion. in the case of heat the intensity is measured as temperature. (in other forms of energy it is measured in other ways); It is the difference in intensity that measures available energy. What is left of the total energy content after the available energy is subtracted is the unavailable energy. Work appears only at the boundary of a system and work appears only during the change in state.. work is manifested by an effect in the surroundings or by the surroundings. The quantity of work is equal to mgh where m is the mass lifted, g acceleration due to gravity, h is the height through which the weight has been raised. work is an algebraic quantity; it is positive if the mass is lifted in which case we say that work has been produced in the surroundings it is negative if the mass is lowered in which case we say that the work has been destroyed in the surroundings or has flowed

from the surroundings. In these circumstances energy can change by the transfer of mass to or from the system or by the work being done on or by the system.

Work The work done by a force acting on a body is the product of the force and the distance moved by its point of application in the direction of the force. If a force F acts in such a way that the displacement s is in a direction that makes an angle θ with the direction of the force. the work done is given by $W = F s \cos \theta$. work is the scalar product of the force and displacement vectors. It is measured in joules. **WORK ENERGY THEOREM:** States that the work done by all forces acting on a particle equals the change in the particles kinetic energy. **MACHINE AND REVERSIBLE:** machine is a contrivance which transform energy available in one form or another to do the desirable work. All machines we have are irreversible and they need continuous supply of energy by us. If we take energy from nature in reversible manner, we need not supply energy continuously but only starting energy is sufficient. potential energy is a form of stored energy this can be used for reversible Machine as a permanent and inexhaustible source of energy. A reversible machine can operate in the reverse direction on the removal of the effort if its efficiency is more than 50 % are known as reversible machines. Examples are lifting weights on Pulleys, inclined plane and Foucault pendulum. present Gravity gift power machine is also a reversible machine.

MACHINE PARTS DESCRIPTION; Kinetic pair is a movable joint of two links which are in contact so that the relative motion between the two links is constrained. Higher pair is formed by two links having a point or line contact while in motion. The relative motion being a combination of sliding and or turning effect. Example Cam and follower. Open (unclosed) pair: When two elements are not held together mechanically, they form an open pair. Incomplete stakes place in more than one direction. Example, toothed gears. In cam mechanism, cam, follower and frame are the three essential members.

A cam is a machine element which gives reciprocating, predetermined and specified motion. Almost always the cam is the driver and follower is driven. A cam is rotating or sliding piece in a mechanical linkage that drives a mating component known as follower⁸. From functional view point a cam and follower arrangement is very similar to linkages. Cam accepts an input motion (rotary and or linear motion) and imparts a resultant motion to follower. If the centers of the cam and follower are not in a same vertical line they are called offset cam and offset follower. This leads to eccentricity. In this the cam is a rigid shaft which is free to fall vertically between the guides. A heavy body is lifted and arranged on cam shaft which weight acts as source. cam shaft lower end has toothed Wheel that can freely rotates. The follower is also a rigid shaft and its lower part is fixed. The follower upper part has a toothed wheel which is freely rotatable along with its axis since the bearing inner part is a fixed in shaft. Machines that perform repetitive movements use toothed wheels or gears. A gear may be defined as any toothed member designed to transmit and receive Motion from another member by successfully engaging teeth. Cam and follower toothed wheels properly connected but in opposite directions. Follower base is fixed but cam is free to fall vertically. Their center lines are two different vertical Parallel lines but with opposite directions. According to the second law of thermodynamics In whatever form energy exists work can only be obtained if the energy is present in a state of greater interest in one part of the system (source) and lesser intensity in another part of the system. Pressure difference for windmills, potential difference for Electrical machines, temperature difference for heat engines, Water height difference for hydro turbines. similarly bodies weight and height differences plays a significant role in this machine without any change in them. This is a new or modern application we are introduced as an answer to the ever questing question for the free natural source for human sustainable development.

GRAVITY GIFT POWER FOR VEHICLE AND POWER PRODUCTION

The potential energy of the system represents a form stored energy which can be fully recovered and converted into kinetic energy. Energy of configuration or potential energy is a mode of arrangement relative to the position of planets. In the gravitational case an object occupies a position with respect to earth. The gain or loss (raise and fall) of potential energy is the work on or by it. The potential energy of a system of bodies is the work that the system of bodies can do by virtue of the relative position of its parts that is by virtue of its configuration. In each case we must determine how much work the system can do and passing from one position configuration to another and then take the difference in potential energy of the system between these two configurations In our configuration the source is the body which is raised and arranged on the cam and the empty space under the cam is sink. An offset cam is a machine element which gives reciprocating predetermined specified motion to another element is known as offset follower. Almost always the cam is the driver and follower is driven. If the axis of the follower does not pass through the axis of cam it is called an offset cam. If the axis of the follower does not pass through the cam it is called an offset follower. Their center of masses are not in same vertical line and they are in different lines. These are parallel. A kinetic pair, it is a movable joint of two links which are in contact so that the relative motion between the two links is constrained. incomplete constrained motion is one in which the links are so connected the constrained motion can be takes place in more than one direction. Example gears cam and follower. In our offset cam and follower Centre of masses are not vertically collinear but they are parallel.the offset cam center of gravity is not in contact with the ground hence it is in unstable equilibrium. It can not be at rest at its position.

it must fall vertically, it is capable to do negative work in reverse direction and try to become stable or to reach equilibrium. Cam and follower has toothed wheels at their lower and upper parts and they are adjusted suitably to rotate. Freely falling cam is obstructed by follower from falling with resist and constrained it. That leads to reciprocating rotation. Cam vertical motion and follower obstruction stops the cam at same place but due to eccentricity they can't keep quiet. They have to rotate with each teeth obstruction. Cam base is not in contact with the ground and gravity is a central force, it attract the camp to reach the ground at the same time follower has ground base vertical support, it can prevent falling and the difference in energy makes them to rotate continuously. This is the power that we get from our costly machines. The two axis's and teeth's are parallel. Cam toothed wheel axis is fixed and its toothed wheel alone rotates. Another toothed wheel along with its shaft rotates and the bearing upper part is fixed in the frame, inner part to the shaft. The rotating shaft power can be used similar to our all machines. This rotating shaft if connected to a cycle pedal it will become a bicycle that runs with Gravity. Gears and clutches control this power as per our requirements. This rotating shaft if connected to generator it can generate electric power. Thus gravitational force and potential energy of a body will become inexhaustible source of useful, low cost, pollution less, and available at all places at all times. will become gravity gift power machine and power producer. This is a second kind of perpetual motion machine⁹ since this uses gravity as source instead of thermal energy conversion. This will fulfill Brahma Gupta Bhaskaracharya efforts to solve all energy problems. This will become giant step in Science development and can change the entire world in transportation and power production.

GRAVITY GIFT POWER MACHINE FOR POWER

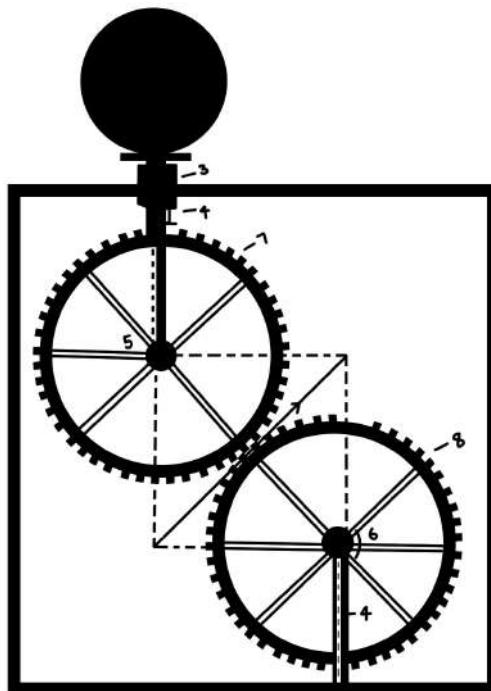


FIGURE CAPTIONS 1 Source (Heavy weight) 2 Sink (Empty space) 3 Guides 4 Rods for weight, transfer and resist 5 Fixed axis 6 Axes connected to vehicle or generator 7 Offset cam 8 Offset follower 9 frame 10 Handle ($Mgh_2 - mgh_1$) is greater than zero is the available potential energy.
 $PE = KE = \frac{1}{2} MV^2 = \frac{1}{2} IW^2$ where I is the moment of inertia.

HOW GRAVITY GIFT POWER MACHINE WORKS

MATERIALS REQUIRED:: Strong poles frictionless bearings toothed wheels.

The bodyweight on the cam acts as source and empty space under the cam acts as the sink. The offset cam and offset followers centers are not

vertically collinear but they are parallel and opposite in directions. The offset cam center of gravity is not in contact with ground hence it is in unstable equilibrium it is arranged to slide or slip vertically downwards between guides so it is capable to do work with its potential energy and tries to reach the stable equilibrium. But offset follower obstruct the cam to fall. The offset follower become a constraint to the cam. Gravity attract the cam but gravity supported follower oppose the cam. opposition of unstable cam and stable follower motion bring it into dynamic equilibrium at same place with rotation due to eccentricity. Earth, follower, cam axis's tooth lines are parallel. They come in contact and adjust to rotate in opposite directions at the same height cam and follower potential energy differences is converted as kinetic energy. Medium size G G P M can be used as charger in vehicles. To stop rotary motion frame upper part is helpful to lift the source weight by 1cm with screw jokey, hydraulic or vacuum equipment on the base frame vertically to the ground.

In Released Yo-Yo its center of gravity raised against to frictional forces and gravity due to inertia. FOUCAULT PENDULUM oscillates continuously with gravity and inertia. Here gravity support and prevent the motion. Freely falling body energy remain constant from top to bottom and is independent of time. Gravity gift power motion machine gains its energy with the work done on it to lift the weights and arrangements on top. This increased weight Mgh will become input and is free to fall vertically. This acts on the cam and follower which are at fixed heights. The differences in weights and heights ($Mgh_2 - mgh_1$) with the central force make it to continue its rotation. But we must initiate rotation with handle at the follower to overcome static friction. This is a solution to UN decade of Sustainable energy for all and decarbonisation. Earth not only supply food but also do our many works without affecting the environment With Gravity gift power machine. This will become a boon to society. This is a tool for conservation.

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EARTH QUAKE ALARM AT HOMES

Time is precious, Life is short, do not be lazy. Drivers action in a fraction of second prevent vehicles accidents, prevent deaths, and protect lives. Fearful men control, intelligent men analyze, but wise men listen with intent to understand, J MIKE FIELDS. Let us understand the necessity in time and act in time to survive. Protection from Earth quakes need immediate action. We need immediate information with us for our survival from Earth quakes. Government provides information on Earth quakes to us but to reach us may delay which leads to deaths. Self-precautions are worthier than others help. Let us develop such systems. We have public transportation but many have vehicles for their own for comfort. Don't we need individual systems to save our lives? Yes, we need lives protecting systems with us in our homes or in our villages and towns to get Earth quakes information at once. Transducer which can convert mechanical force to electrical signals or vice versa can be used at maximum number of places to recognize seismic waves and convert to electrical signals for giving alarms to protect ourselves from most dangerous earth quakes. According to the modified Mercalli scale of seismic intensities, instruments alone can detect low seismic intensities. Even when large displacements are observed at the surface are often an indirect manifestation of the fault movement because near surface sedimentary layers often exhibit local effects, not characteristic of the fault beneath. So, there is need for local instruments. The earth quake primary waves with the highest velocity vibrate length wise and the particles back and forth in the longitudinal direction of the propagation of the waves. This force is enough to activate quake alarm at homes. Studies on quakes say that in many cases there will be indications on quakes before and after violent earthquakes that man cannot recognize. Difference in velocities lead to difference in quake alarm time at homes and high velocity primary waves activate the alarm before destructing the homes by long waves which arrive later. Such indications can be easily

recognized with a delicate seismoscope or a pilot control device and a contactor that a power circuit and directs the operation of another device. Similarly, this is an electric switch arranged on home walls that operates with quake forces. Automatic quake alarm looks like a pendulum arranged in a cylinder that relates to power. This is fixed on home walls on a convex shaped hemisphere. Cylinder is very delicate and is on a point that is almost in non equilibrium condition. So, it can be easily falls and complete the circuit by touching the pendulum bob with the cylinder walls and gives alarm. It is very cheap and can be arranged at all offices where 24 hours human alertness is available to bring awareness among local people and to give similar precautions on cyclones. Thus, brain storming effects due to earth quakes can be minimized with similar pressure and thermostat switches or transducers fixed on walls.

EARTH QUAKE

A sudden movement or fracturing within the earth's lithosphere, causing a series of shocks. This may range from mild tremor to a large-scale earth movement causing extensive damage over a wide area. The scale of the shock of an earthquake is known as the magnitude, the most used scale for comparing the magnitude of earthquakes is the logarithmic Richter scale. Seismology the branch of geology concerned with the study of earthquakes. Seismograph an instrument that records ground oscillations those caused by earthquakes. Most modern Seismographs are based on the inertia of a delicately suspended mass and depend on the measurement of the displacement between the mass and a point fixed to the earth. Others measure the relative displacement between the two points on earth. The record made by the Seismograph is known as seismogram. Seismic waves, Vibrations propagated within the earth or along its surface because of an earthquake. Earthquakes generate two types of body waves that travel within the earth and two types of surface wave. The body waves consists.

Of primary (longitudinal) waves that impart a back and forth motion to rock particles along their path. Secondary waves cause rock particles to move back and forth perpendicularly to their direction of propagation.

SEISMOSCOPE

The average duration of shocks of sufficient intensity to produce much damage is perhaps from one to two minutes. According to the modified Mercalli's scale of seismic intensities instruments alone can detect low seismic intensities and cannot be felt by man. The modified Mercalli's scale considers the factor of acceleration. Produced in units of millimeters per second per second and for first division it is less than 10. Richter scale magnitude 3 to 3.9 is approximately equal to 2 to 3 in the modified Mercalli's scale and ground acceleration is less than 0.15cm/sec/sec. Intensities of earth quake at any place is represented by isoseismal which are contour lines depicting the same intensity. Seismoscope is a device which indicates the occurrence of an earth quake but does not write a record. Present day amateurs often set up earth quake alarm in basement or attics and the principles has been applied commercially to automatic valves designed to shut off gas electricity or water in case of strong earthquake. The earth quake primary waves with the highest velocity vibrate length wise and vibrate the particles back and forth in the longitudinal direction of propagation of waves. These forces are enough to activate quake alarm at homes. The long waves move more slowly that they have larger motion and cause all the damage that may be seen by man. The difference in velocities lead to quake arrival time at homes and high velocity primary waves activate the alarm before destructing homes by long waves which arrive later. This time may not be more but it gives opportunity to escape or to come out from home to a safety place. Automatic quake alarm at homes alone can give this opportunity. Even when large displacements are observed at the surface these are often our indirect manifestation of the fault movement because near surface sedimentary layers often exhibit local effects, not characteristic of the fault beneath.

Earth quakes early system does not predict earth quakes instead, they detect ground motion as soon as earth quakes begins and quickly send alerts that a tremor is on its way. Infra sound sensors records change in air pressure caused by infrasound waves whereat a frequency below what humans can hear. Infrasound sensors can register the full range of an earthquakes ground motion by detecting air pressure changes caused by grounds up and down movement during earth quakes. Pressure changes from even the largest earthquake are far below infrasound sender upper limit.

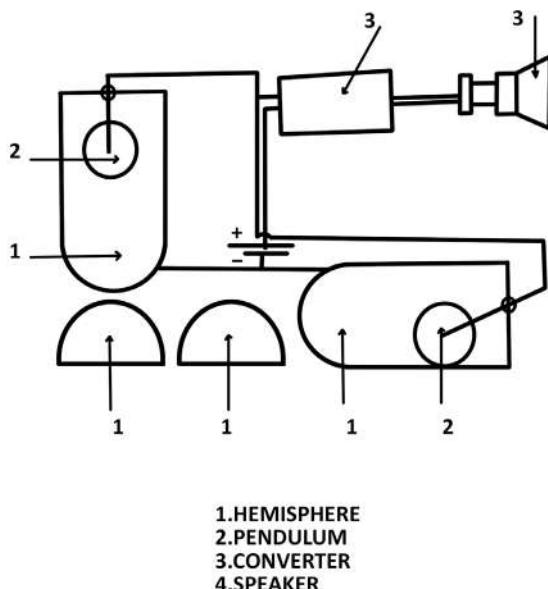
TRANSDUCER: A device for converting a nonelectrical signal, such as sound or waves including seismic waves, light, heat etc into an electrical signal or vice versa. A piezoelectric Transducer also known as piezo electric sensor, is a device that uses the piezoelectric effectsto measure changes in acceleration pressure strain temperature or force by converting energy into an electrical charge. The ultrasonic sensor is a piezoelectric Transducer which can convert an electrical signal to mechanical vibration and mechanical vibration into electrical signals. Thus, microphones and loudspeakers are electroacoustic Transducers. We have Motorcycle theft alarm, burglar alarm and many more which recognize and alert for preventing such difficulties. We can use such low-cost devices in many places as possible to survive from earth quakes.

AUTOMATIC QUAKE ALARM

Earth quakes prediction is on the verge of becoming a reality at least for some kinds of earth quakes. Automatic quake alarm consists of four parts. 1 Hemispheres 2 pendulum with Bob 3 Converter 4 Speaker. Hemispheres can be combined. 1. Metal on metal and insulators in some parts. 2 Metal on wood 3 Wood on wood 4 Leather on wood with different coefficients of friction material is useful. By

increasing the hemispheres weights it is possible to keep it not to fall freely. Initially two Hemispheres lie on another as shown in the

diagram. This means upper hemisphere is almost in non equilibrium condition, whenever quake primary waves approach hemispheres vibrate as the earth moves and upper hemisphere falls since it is very light. Bob a contactor that touches the walls activate power circuit and directs the operation of a speaker, for power supply it is better to operate regularly from the line supply over automatically to batteries in case of failure.



CONCLUSION

It may be difficult to construct a pendulum with a time that coincide with quake period. But it is easy to construct switches that can put on itself with the forces of Richter intensities I, II, III, IV. By increasing the friction or load it can be arranged to pre-determined condition. Mechanically operated switch is one that is controlled by factors such as position, pressure and temperature limits switch is very common industrial control device. Limit switches are designed to operate only when a predetermined limit is reached. so these switches can be

classified like the Richter or Mercalli intensity scales since the velocity ratio, quake ratio, quake forces and times also differs from place to place.

The small size and variety of operating levers make, Micro switches very useful as limit switches. They can operate with very small pressures on the operating levers which allows a great deal of sensitivity. Similar proximity sensor switches. We must consider and develop switches to detect different seismic waves with different intensities that can be used by middle income group persons at quake zones. These will be as useful as the present Seismograph that are used only by talented and limited places only. Lack of education makes the public inert during the earth quake. Hence there is need to include precautions on earth quakes in our education. We are trying to control road accident mechanical forces with sensors (Driverless cars) similarly it may be better to develop switches to recognize earth quakes vibration along with present systems.

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Chapter 4

Chemistry

1. Noise pollution verses Rotors in silencers.
2. Poem and Whirlpool wheel
3. Weight wind vacuum sky vehicle or floating house in the air
4. Whirlwind Wheel
5. Water transportation in the sky

Man is born to conquer nature and not to follow it

– Vivekananda

The secret of freedom lies in educating people where as
the secret of tyranny is keeping them ignorant
(Forced to learn impossibles)

– Maximillien Rabespierre

Awake, arise and stop not till the goal reached

– Vivekananda

Noise Pollution Verses Rotors In Silencers (WHEEL/CHAKRA)

NAME OF THE AUTHOR: J HARIHARA REDDY

ABSTRACT

Lord GANESHA wrote the Mahabharata, as it was recited to him by the sage Veda vyasa. According to the life hacker, this was done on the condition that vyasa wouldn't stop while writing, besides the condition that Ganesha would not merely write it but also understand every versa of it. Popular legends say that it took both of them three years of continuous speaking and writing to complete the impossible epic. This shows the power of sound and this is an example of our learning skills like look, listen, speak, read (understand) and write Knowledge can transfer from one generation to other in this way. We together can change impossible to possible. In our stampede for bigger and better we are setting our environment in vibration with heavy traffic on roads with heavy vehicles. The average noise level of 97.6 dB obtained exceeded the World health organization value of 50 dB allowed for residential areas. Noise can seriously influence human mental physical health. It can minimize with this theorem. IF NOISE WAVES ARE MADE TO FALL ON FREELY ROTATABLE CUPS, NOISE ROTATES THE CUPS AND CONVERT AS MECHANICAL ENERGY THEN NOISE POLLUTION SUPPRESS AND DECREASE GAS VELOCITY. LOW VELOCITY GASES CAN BE EASILY CAPTURED IN A FUEL TANK SIZE TANK TO CONVERT AS WATERGAS FOR REUSE. Thus noise and gas pollution can be controlled in environment. (The law of conservation of energy and mass) INDIAN TRADITIONAL KNOWLEDGE CLASSIFICATION shows that "WE SHOULD NOT REINVENT WHEEL" but this wheel rotates with noise hence this may be called NOISE WHEEL or NOISE CHAKRA like

all chakras that are solving our many problems. This is urgently required to the public and by WHO for survival from noise effects.

EDUCATION FOR PEACE AND SUSTAINABLE DEVELOPMENT

SILENCER EDUCATION AND NOISE REDUCTION.

INTRODUCTION

Sound is due to some sort of mechanical disturbance propagating through a material medium. This mechanical disturbance may be either of a periodic or of a non periodic character. If it is a periodic, regular and long continued it produces a pleasing effect. They are called musical sounds. but if it is non periodic, irregular and of very short duration, produces a displeasing effect. It is called a noise. A noise is an abrupt sound of a complex character with + an irregular period and amplitude originating from a source in non periodic motion. Sound is hazardous in many situations but is of interest to wide variety of disciplines It has applications in medical science health monitoring, music composition communication, space science, broad casting, television, oceanography and engineering etc. The level of sound in a particular situation determines whether it has harmful effects or not. Vehicles pollute environment with gasses and noise. Gases like Halahala¹ or kalakuta, black mass or time is the name of poison created from the sea when Devas deites and asuras demons churned it² (samudramantan) in order to obtain Amirta, the nectar of immortality. Lord shiva choose to consume the poison and thus drank it. His wife the goddess Parvati was alarmed as she gripped her husband's neck with both hands in order to stop the poison. Thus earning him the name vishakanta (the one who held poison in his throat. He was later saved by mahavidya tara.a from of parvati. The poison throat blue like bluish. Hence he is also known as Neelakanta. Pallikondeswara temple surutapalli. The presiding deity Pallikondeswara unlike other siva temples will be reclining posture in the lap of his consort Parvathi. We don't have such capacity but we have chromatography to divide gases and reuse them. At present we have abundant raw material from vehicles emissions This is possible by

capturing the law of conservation of mass. The mass quantity before reaction is equal to the amount of mass after the reaction so fuel tank size tank is enough to capture the gases for reuse. Initiation in this direction can solve noise pollution problem.

Misspent energy becomes mishaps; energy saved is energy produced, captured energy becomes treasure or pleasure. Misspent energy can be reused to suppress Environmental problems and can get economical gain. We know that increase in number of vehicles or increase in noise and gas pollution leads to Global warming which increases temperature of earth. Noise pollution is an unwanted or disturbing sound which can interfere in normal activities³ for humans and wildlife such as sleeping, conversation, reproduction, communication and disrupt or diminish one's quality of life. Noise pollution can negatively impact the body in significant ways, including elevated blood pressure, impaired cognitive functioning, cardiovascular and psycho physiological effects, cause heart attacks, reduce performance, provoke annoyance responses and changes in social behavior and other effects of chronic stress. Long term exposure to traffic noise may lead to coronary heart disease and accounts for approximately 210, 000 deaths per year in Europe⁴. There are more than 2 Million deaths in India due to pollution. We can see in heavy traffic areas that the level of air pollution is very high as we feel uncomfortable and even feel itching in our eyes in such areas. Increasing air pollution is a danger sign for all organisms on earth. Exhaust gases coming out from all types of automobiles contains mainly carbon monoxide, carbon dioxide, nitrogen dioxide, hydrocarbons, sulphur dioxide and other harmful gases. These gases are very harmful for our environment and ecological system. This project is an attempt to solve the problem of high pollution level in cities due to automobiles at heavy traffic areas. This project helps us to reduce the noise and air pollution caused by the vehicles.

LAW OF CONSERVATION OF ENERGY

Energy can be defined as the capacity for doing work. It may exist in various forms and may be transformed from one type energy to another.

One way to state this principle is Energy can neither be created nor destroyed. Sound energy is also a type of wave motion, we heard by others when we talk because of the sound energy we produce. It is due to the effect of the air molecules hit our eardrums, which enable us to hear others speech. Sound energy may be converted into electrical energy, and later the electrical energy can be converted back into sound energy at the receiving end. An example of such transmissions could be seen in the microphone and the loudspeaker3.

While talking on telephone, the sound we produce is first transformed into electrical energy by the microphone that is transmitted along wires. In the case of cellular phones, the sound is converted into electromagnetic waves and transmitted through the air. The speaker of the phone on the other end changes the electrical energy/ electromagnetic waves back into sound energy.

MATERIALS REQUIRED

Rotors, cups, bearings dynamo, cylinder to capture gas, water to dissolve gas.

CONSTRUCTION AND WORKING

Sound waves exert pressure. If a train of waves are made to fall on a delicately pivoted set of small vanes (or on Anemometer cups) , the vanes get into rotation thus revealing the pressure. At the same time sound waves cease and convert as mechanical energy. In the modified design of silencer, there are Anemometers in the silencer and noise waves are made to fall on its cups or blades. Although noise will rarely disappear but by applying the law of conservation of energy with the help of turnable vanes in the path of sound in silencers, noises can be converted as mechanical energy to rotate the rotors and to reduce noise to acceptable levels, health hazards due to noise can be minimized. Dust and soot falls down in the rotor chamber. At low speeds vanes may or may not rotate but may do virtual work without obstructing gas flow.

Thus this is effective for all vehicles in high speeds and always useful for motorcycles, heavy vehicles and tractors, bore drilling machines, JCBs, bulldozers in the farm. This was practically proved on tractor in the field.

This will be one of the most effective control methods for suppression of noise particularly because of low cost and easy technique and indigenous this approach could be successful near future because humans speaking low noise in 60 decibels are being converted as electrical energy in telephone conversation. Crackers sound make doors and windows to vibrate with little high decibels. Road vehicles sound is more than 60 decibels so it is easy to convert vehicles noise to mechanical energy to generate power with Rotors and Dynamo.

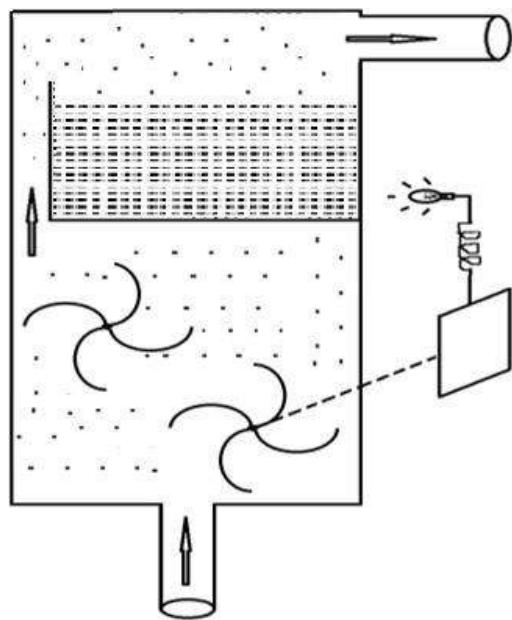
GAS POLLUTION

Rotors decrease noise as well as gas speed. direct attack of gases on eyes too decrease as gas velocity decreases. Emission gases are heavier than air and this slow speed gases can easily be captured in a tank containing water. Gases dissolve in water and can be used for conversion into water gas or producer gas which can be used as fuel gas for heating purposes like kerosene. Separation of gases is possible with adsorption and chromatography.

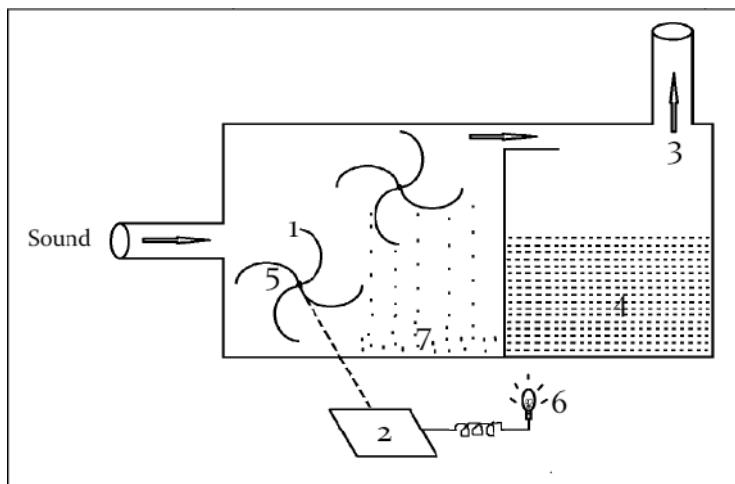
LAW OF CONSERVATION OF MASS

Fuel or mass before reaction is more (volume) after reaction because fuel burns and converts into heat. Only waste mass comes out that will be less. Waste mass or partially burnt mass can be captured in a small tank. Seven million premature air pollution deaths can be reduced if the captured gases are converted as producer gas or water gas and if vehicular emissions are not added to the atmosphere.

Rotors in silencer suppresses noise pollution, decrease gas velocity to capture and to Sound Rotors in Silencer: Suppress noise pollution and generate power gas speed decrease it can be captured in cylinder and made as fuel gas with water, air absorption and chromatography.



1. Cup 2. Dynamo 3. Exhaust gases 4. Water 5. Axle 6. Bulb 7. Dust & soot



1. Cup 2. Dynamo 3. Exhaust gases 4. Water 5. Axle 6. Bulb 7. Dust & soot
 Rotors in Silencer: Suppress noise pollution and generate power
 gas speeddecrease it can be captured in cylinder and made as fuel gas
 and control air pollutionwith adsorption and chromatography.

RESULTS

It ensures lowering of the noise and gas pollution level in air due to automobiles. thus we, not only save our earth from pollution but also generate power from noise and useful water gas or producer gas from disturbing gases which can be used as abundant free raw material. That decrease the general gas use and can be used like kerosene and economically gainful. Occupational hazards to health can overcome with this innovative techniques and it is cost effective and environmental friendly waste management. Air pollution is severe than AIDS. If ever increasing pollution problem is controlled, it may equal to AIDS control which is a great help to all living beings and also to the environment.

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INDIAN PERPETUAL MOTION MACHINES (PMMS) POET: DR. J HARIHARA REDDY

WHIRLWIND WHEEL – WORK RESERVOIR.

INDIAN PERPETUAL MOTION MACHINES (PMMS) POET:
DR. J HARIHARA REDDY

UN SUSTAINABLE DEVELOPMENT GOAL 7

WHIRLWIND WHEEL – WORK RESERVOIR.

SPACE FILLED WITH MATTER IS ATMOSPHERE
VACUUM IS LESS MATTER SPACE IN ATMOSPHERE.
NATURE ABHORS ANY VACUUM WITH ANY MATTER
ATMOSPHERE TRIES TO FILL ANY VACUUM WITH ANY MATTER
EVACUATION IN A CHAMBER DECREASE PRESSURE
ATMOSPHERE TRIES TO FILL CHAMBER WITH PRESSURE
THIS DEVELOPS NATURE NEGETIVE GIBBS FREE ENERGY
VACUUM AND ATMOSPHERE BECOMES INPUT ENERGY.
INDIANS HIGH GRADE ENERGY PMMS ARE POSSIBLE
LOW GRADE ENERGY LIKE HEAT PMMS MAY BE IMPOSSIBLE
PERMANENT VACUUM IN A CYLINDRICAL CHAMBER
CEASELESS WIND OUTSIDE THE CHAMBER
WITH PUSHING CUPS BY LOCAL WINDS GENERATE TORQUES
AND IT LEADS TO CREATE TYFOONS OR TORNADOS
THIS IS A POSSIBLE PERPETUAL MOTION MACHINE
WE CAN IGNORE IMPOSSIBLE PERPETUAL MOTION MACHINES

LET POLICY MAKERS DECIDE TO AMEND PATENT LAWS
WHICH CLARIFIES IMPOSSIBLE THERMODYNAMIC LAWS
IT IS OUR DUTY TO SHARE/PROTECT OUR KNOWLEDGE
IT PROTECTS US WITH POWER AND PEACE KNOWLEDGE

KNOWLEDGE CREATES ISOTHERM LIKE CHAMBER
ROTATING TYPHOON RESEMBLES THIS CHAMBER

THIS IS A WHIRLWIND WHEEL – WORK RESERVOIR

LIKE WIND MILL BUT WE MADE PMM WORK RESERVOIR

WHIRLWIND WHEEL-WORK RESERVOIR CAN GENERATE POWER
THIS IS A SOLUTION FOR UN DECADE OF SUSTAINABLE POWER

THIS CAN DECREASE THE COSTLY FUEL CONSUMPTION

THIS CAN DECREASE THE FOSSIL FUEL POLLUTION

THESE ARE HUMANS' KNOWLEDGE VECTORS

THESE CAN INCREASE EFFICIENCY IN ALL SECTORS

THIS IS A SOLUTION FOR EVER QUESTS

PERPETUUM MOBILE AND IT RESULTS

A REVOLUTION IN ENVIRONMENT AND ENERGY CRISIS
AND SOCIAL ECONOMIC DEVELOPMENT SYNTHESIS
INDIAN GIFT ZERO, THE QUEEN OF ALL SCIENCES

INDIAN GIFT PMM, PHYSICS THE KING OF ALL SCIENCES
OUR ANCESTORS TRADITIONAL KNOWLEDGE FLOURISH
AND OUR PRESENT GOAL ON ENERGY TOO FLOURISH

CREATION MAY BE STARTED FROM VACUUM

WORK SOLUTIONS CAN ALSO FROM VACUUM.

LET US UNDERSTAND VACUUM AND VACUUM

UNIVERSE INSIGHTS ARE IN OUR KNOWLEDGE VACUUM.

PERPETUAL MOTION MACHINES ARE NOT FICTION SCIENCE

PERPETUAL MOTION MACHINES ARE TRUE SCIENCE.

HIGGS AND BOSONS MAY NUTRALISE IN VACUUM

ROTATING CHAMBER NUTRALISE ATMOSPHERE AND VACUUM

WE KNOW VACUUM BASED TRAINS TO CONNECT POSTAL WORK

WHY CAN'T WE HAVE ATMOSPHERE VERSUS VACUUM WORK?

THERMODYNAMICS LAWS SUPPRESS PERPETUAL MOTION
MACHINES

NEGATIVE GIBBS FREE ENERGY IS A BASE FOR PERPETUAL
MOTION MACHINES

ATMOSPHERE ACTS AS SOURCE VACUUM AS SINK ATMOSPHERE
HAS PRESSURE BUT LOW IN SINK

THIS SATISFY ALL LAWS, IT GENERATES WHIRLWIND HENCE
THIS IS A WHEEL OF WHIRLWIND

SPACE IS FILLED WITH MUCH VACUUM

ATMOSPHERE IS A PART NEAR EARTH/VACUUM

PRESSURE VARIATION IN ATMOSPHERE ARE NOW AND THEN
WIND MILLS WORK ALSO ARE NOW AND THEN

ARTIFICIAL VACUUM IS IN WHIRLWIND WHEEL ALWAYS
WHIRLWIND WHEEL WORK CAN BE EXISTS FOR US ALWAYS.

DIFFERENCE IN PRESSURE IS AVAILABLE ENERGY
FRICTION IS LIKE IN WIND MILL ENERGY

NATURE IS A GOOD TEACHER, LET US LEARN FROM
IT FOR OUR WORKS

NATURE IS A BIG SOURCE KNOW THE WAY FOR OUR WORKS

WHIRL WIND WHEEL – WHEEL REVOLUTION WITH AIR REACTOR

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ABSTRACT

We have many stories of change – case study challenges for human survival with the efforts for constructing perpetual motion machines. We need eco friendly and low cost machines NOT PERPETUALMOTION. Air filled balloon moves if there is leak and atmospheric pressure push the piston into empty syringe since wind blows from high pressure area to low pressure area work in two cases is reversible and displacement. Work is not thermodynamic property. This happens due to Newton's third law of motion. This is the base for a new statement or AIR REACTOR THEOREM. IF A PERMANENT VACUUM IS ARRANGED (LOW PRESSURE AREA) IN A CYLINDRICAL SHAPED BODY FIXED WITH SIX BORE AND PISTONS TO ITS SIDES LIKE A REGULAR HEXAGON AND CONNECTED TO AN AXLE AT ITS CENTRE THEN ATMOSPHERE PUSH THE PISTONS INWARDS AND KEEP CYLINDER IN ROTATION. Whirlwind wheel generate power while natural wind blow and artificial vacuum in whirl wind wheel make it to continue even when wind do not blow. Whirlwind wheel looks like JCB big wheel and works like a vertical Axis windmill. Evacuation pump down action time is equal to $2.3 \text{ v/s } \log (P_a/P_i)$. Nature abhors vacuum will become reaction. We make vacuum exist in it always with pump. Evacuation develops a negative Gibbs free

energy. ΔG is equal to $-nRT \ln(p_a/p_i)$ equal to $nRT \ln(p_i/p_a)$. Atmosphere tries to fill the vacuum with Pistons but obstruction rods not allow pistons to move inside and transfer force to keep the cylinder in rotation due to difference in drag coefficient (1.4 – 0.4) concave and convex shapes and pressure difference in and outside. The resultant force is sum of couple of moments that is equal to n times the area of hexagon. If vacuum remains in a cylinder with six pistons around it like a regular hexagon and connected to an axle at its center then atmosphere push the pistons and keep cylinder in rotation. Transitional energy is energy in motion and as such can move across its system boundaries. Jafferay's theorem states that if temperature gradients are maintained at any level surface in the atmospheric Ocean motion will persist cooling or vacuum may be just as effective as heating in initiating atmospheric motion... Work done by whirlwind wheel may be less than or equal to work done on it. Work done time by it is greater than work done time on it. It receives initiating energy from us and avail inexhaustible atmospheric pressure to work long time. Since Leak rate is minimum. If leak rate is reduced to 10^{-10} torr liters per second then the equilibrium time will be 240 years. Large vacuum area and large concave front surface area and minimum leak rate increase its capacity. This can lift weights vertically up with proper arrangements. the resultant force of two opposite vectors that is concave and convex shaped cups and with vacuum in between them. Aero plane is a fluid power fruit and it works with difference in pressure



and drag coefficients. Whirl wind wheel work is similar to it. In aero plane pressure difference in two parts are open. But in Whirl wind wheel low pressure area sink is closed, source is open atmosphere. This can work at required time but NOT PERPETUAL MOTION

WHIRL WIND WHEEL – WHEEL REVOLUTION WITH AIR REACTOR.

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PROPAGATION OF INDIAN SCIENCE CULTURE.

Key Words: Lives Protection, Health Improvement, Pollution Control, Free Energy And Peace Establishment.

Culture is seen as enriching realm that opens up new dimensions to human consciousness and existence. The concept of perpetual motion is India's gift, a statement by Royal Academy of sciences. ORFFYREUS Author, innovator on PERPETUAL MOTION MACHINES (PPM) , I am being crazy and silly. Even if my wife divorced me, I saw my children stand on road like beggars still I wouldn't call PPM BHASKARA CAGE but call it SAGE BHASKARA MESSAGE and perpetual motion not Indian box but an age old INDIAN HERITAGE full of wisdom. The earliest reference to a perpetual motion (Nature's free energy) matches date back to 1150, when BHASKARA II described a wheel that he claimed would run forever. These are now known as Indo Persian machines like Indo Arabic numbers Bhaskara II observed water – raising wheels and imagined such a wheel lifting enough water to replenish the stream driving it effectively 'A PPM'. This device that harness water power for local production is a symbol of local technical excellence and the traditional wisdom of the people inhabiting the mountain region. The word Renaissance implying a renewed interest in classical culture and knowledge. But regardless of various cultures and Civilizations that have influenced science, what is common to all

scientists is that they study natural phenomena with an appropriate set of rules, to make generalizations and prediction about nature. JUGAAD: A flexible approach to problem solving that uses limited resources in an innovative way. Development research takes in to consideration existing knowledge and employs it towards producing new materials, products or devices installing new processes, systems and services, or improving existing ones substantially. Development research results in design and actualization of prototype and processes, engineering makes use of the end products to produce commercial outputs. Thermodynamics impossible laws have no proofs hence they can be ignored and reinstate our wisdom with BHASKARA II designs on PPMs. International Universities are conducting competitions on PPM and they realize that PPM is the way to go for energy independence.

Why can't we? Yes, we can with AIR –REACTOR THEOREM. which is a solution to SOLUTION TO UN DECADE OF SUSTAINABLE ENERGY FOR ALL.

This can be proved with experimentally proved facts only. Indian aspirations fulfill with this theorem or reform, Indian traditional knowledge, scientific heritage regains its value in the scientific world.

Sound mind in a sound body. Sound body in sound environment. Transportation is polluting environment with heavy carbon emissions. Carbon emissions pollute food and deteriorate health. Un burnt fuels or misspent energy mishaps. All these are due to lack of right energy or proper use of resources as in BHASKARA II perpetual motion machines PPM[Natures free energy].

If Bhaskara II efforts were continued, we didn't have energy trade restrictions, warming, acid rains and no rains. Mass addition or deletion strengthen or weaken the body. Nature or body dominate one on another or leads to unstable like. AIR – VACUUM REACTOR THEOREM, or utility reforms in the use of resources

and Environment This theorem can bring great change in the entire world in transportation, environment and energy sectors. electric vehicles with high velocity make a new world with low pollution. Abundant electricity can improve efficiency in other sectors. We can see BHASKARA II machine culture in world like Indian numbers. Temperature regulation leads to monsoon regulation. Proper rains control famines. This reform is a solution UN DECADE OF SUSTAINABLE ENERGY FOR ALL One idea, reform can change the world. Yesterdays tantra, thought, todays mantra-expression, tomorrows yantra, machine is possible.

WHIRLWIND WHEEL – WHEEL REVOLUTION WITH AIR REACTOR AIR – VACUUM REACTOR THEOREM: If a permanent vacuum (low pressure area) is arranged in a cylindrical shaped body fixed with six pistons with bores to its side like a regular hexagon and connected to an axle at its center then atmosphere push the obstructed pistons inwards and keep the cylinder in rotation with outside high pressure as long as there is pressure difference like spokes covered Anemometer cups since nature abhors a vacuum (GIBBS FREE ENERGY). Rotating axes connected to generator generate power like vertical axes wind mill without interruption as per need.

INDIAN CULTURE AND CIVILIZATION

What we are is our culture, what we use is our civilization. culture and Civilization both are embodiments and expressions of creative activity of human beings. They are the results of Creative human seeking and aspirations.. physical and biological aspects of human existence and seeking are taken to be embodied in civilization, where as spiritual and transcendence related to aspects of aspirations or taken to be reflected and expressed it in culture. Civilization is supposed to be related primary to the physical and objective dimensions of the society. Civilization is conceived more as related to Survival and preservation culture on other hand is seen as enriching realm that opens up new dimensions

to human consciousness and existence. Thus when human creativity is directed towards pragmatic and utilitarian ends it is considered to be produced civilization; and when it is directed towards expanding the Horizon of human consciousness it is said to be creating culture. In Civilization there is a necessary element of physical biological and social adjustment. Civilizational achievement and attainments endow human beings with minimum level of physical comfort ensuring survival and preservation.

Civilization reflects biophysical aspects of human existence but it would be pertinent to note here that it has almost unanimously been accepted that necessary precondition for inculcation of mind in case of human collectivity is a minimum level of welfare at the level of biophysical existence this minimum level of comfort is managed through Civilization arrangements civilization is taken to be primarily associated with material well being and is considered to be consisting of those elements which are useful for human existence. this minimum level of comfort is managed though they are significant mainly because of their functional aspects as they fulfill some need rooted in biophysical dimension of human existence. It consists mainly of means useful to master the forces of nature.

Civilization attainment are taken to be of help in human victory over nature in a way they are considered to be the responses of animal in man to the challenges of nature. Civilization is considered to be corresponding to the domain of utilities mechanisms and a purchase which human use in order to control the conditions of their life in the outside world. the civilization is considered to be concerned with utilitarian dimensions of human creations that serve as means to fulfill our needs and desires it is a voyage to Discover moments of bliss that intrinsic value as a opposite to any pragmatic and utilitarian price tag attached to them The principle of conservation of energy of which mechanical work electricity and heat were only different forms was the greatest physical discovery of the middle of the nineteenth

century it brought many sciences together and it fitted very well into the trend of the times. Energy became the universal currency of Physics—the gold standard, as it were of changes in the universe. What had been established was a fixed rate of exchange between the different energy currencies. between the calories of heat, foot-pounds of work, kilowatt hours of electricity. The whole of human activity industry, transport, lighting, ultimately food and life itself was seen to depend on this one common term Energy. The study of heat and its transformations was the one of great intellectual and even greater technical and economic importance for the development of modern civilization. Limit less carbon emissions forced all the nations to search for non conventional energy sources. WHIRL WIND WHEEL – WHEEL REVOLUTION WITH AIR REACTOR can change worlds machine culture and civilization.

People have always searched for ways to make work easier, this was done by devising techniques to use the limited energy they had at their disposal or by controlling new source of power for example the events leading to the invention of the wheel. While the greatest Discovery was fire, the wheel was the most remarkable invention. The wheel is original with human because there is nothing like it in nature. Once started Humanity's ingenuity knew no bounds, nature inspired man to harness wind energy by showing capacity to do work by pulling and pushing the objects. People soon found that they could harness wind to propel boats, Grind grain and pump water. Man has tried again and again to harness the wind for his own pleasure and profit. Wind energy has been used for thousands of years to propel sailing ships and for pumping water and grinding grain. The use by Egyptians dates back to 3600 BC and references to lifting water using machines run on Wind contained in the 400 BC Kautilya classic Arthashastra. Man has built wind mills which drive milestones are complicated electric generator and he has constructed ships and aero planes to make the best use of the air streams. The wind helps him in matters Great and

Small but he does not have them completely under control. Some of them leave him helpless and make a Mock of his ingenuity wisdom and technical knowledge. Some atmospheric conditions can create a movement of almost unbelievable force and when faced by these men is merely helpless dwarf who can only pray for deliverance. One of these frightful winds is the Tornado. Originally the name only referred to the Stormy squalls on the edge of rotating storms. Now a days we called all the extraordinary violent Winds of small diameter Tornado it is certain that extremely hot air must meet cold air before a tornado can be produced.

The first sailor learned to use wind to an advantage about ten thousand years ago. The discovery probably occurred when the sailor stood up in the boat and found that the wind pushed the boat along on a breezy day. The first sail boat could only sail with the wind. True sailing ships took many hundreds of additional years to be developed. Sailing ships were usually fast and economical, but they were always at the mercy of the wind. Similar to the wind mill that stops when wind stops. The wind could vary from no wind at all to the force of gale or hurricane. In such context man would be inspired to harness wind power perpetually. It may be called perpetual motion machine. But cumulative experiences of ages concluded that it is impossible to construct a perpetual motion machine which can produce energy without the expenditure of energy is impossible. We have models in the nature on perpetual motion machines. Our universe is in perpetual motion and our heart works perpetually till it dies and cool down that is it comes to equilibrium. Finding so many sources of energy is a human achievement that has done a lot to improve our quality of life. The air can generate no greater force in a small force than that developed by a tornado. The wind velocities of a hurricane are much smaller but it causes even greater devastation because its dimensions are very much larger!. A tornado and hurricane can be compared to a pouncing and a steam roller.

WIND ENERGY CONVERSION

The shaft power from the wind turbine can be utilized for a wide variety of purposes including electricity generation, direct pumping; direct mechanical work etc. The motion of the wind is conveyed to the dynamo to generate electricity. The electricity so generated can be utilized immediately, stored in batteries or fed up into the regional Power Grid. A better alternative would be to pump water into a Reservoir or a huge tank, the release of water of this Reservoir tank during windless periods would generate hydroelectricity as well as serve the purpose of irrigation. In this manner the variable supply of wind generated electricity can be made more regular. The most common wind turbine system involves a tower mounted multi bladed rotor facing into the wind, rotating around a horizontal axis with the blades perpendicular to the Earth's surface and turning an electricity generator or a mechanical gear box connected to its axis. The rotor may be 2 bladed airplane propeller type or multi bladed fan type. Vertical Axis machines, some of whose rotors look like egg beaters operate with the wind coming from any direction without change of the axis of rotation. The maximum power that can be extracted from a wind turbine is 59.3 %. Horizontal Axis machines achieve less than 70% of this theoretical maximum that is they are able to convert about 42% of the kinetic energy following through the swept areas of the rotor blades into rotor power and vertical Axis machines are significantly less efficient¹². Nearer to The Ground wind velocities are low hence vertical Axis machine efficiency is usually low. But continuous work performance and low cost construction can overcome this less efficiency condition. However power required for evacuating air in whirl wind wheel is less so part of the power generated by the whirlwind wheel can be used to power the pump the rest of the electric energy is to be supplied to the electric network output. Once the system is started the whirlwind wheel produce electricity indefinitely without requiring and energy input from by humans but it gets input from inexhaustible atmosphere.

MASS AND ENERGY

Nature and energy are same because according to the theory of relativity mass and energy are equal. Nature is mass and it is energy. Nature gives us air to breathe, gives us water to drink, food to eat and the proper uses of natural resources is the growth which depends on labor and capital. According to Manu conversion of waste land into useful land is the property. According to Karl Marx conversion of raw material into a product is the property but according to the theory of relativity mass is equal to energy that is also property. Conventional energy such as fuels are controlling world economic status. In performing a job there is always a transfer of energy. Though we seem to be quite familiar with energy it is very hard to define it. The only thing we can say is that it is something which is conserved. Matter is energy that is also called conservation of energy. We cannot create or destroy energy but we can change it from one form to another. Einstein wrote pre relativity physics contains two conservation laws of fundamental importance namely the law of conservation of energy and the law of conservation of mass. These two appear there as completely independent of each other. Through relativity theory that melt together into one principle.

ENERGY AND PRODUCTION

Matter conversion is production. In productivity capital and Labor place equal role till today and Society is in little balance⁴: we say products in motion, import or export is the economic growth.

But according to SOLOW ROBUST Nobel Laureate in Economics for the year 1987 long term growth depends mainly on technological progress but not in labor or capital increase. All the governments are encouraging capitalist or privatization and technological progress is decreasing labor value. If both continuous further we must consider what will be the fate of the tomorrow's society. Technological progress must be encouraged at all times if not we have to depend on others, that means welcoming poverty or lose of independence.

perpetual motion machine though initiated in India by BHASKARA CHARYA BRAMHAGUPTA expanded by Arabs (now called indo Arabic machines like indo Arabic numbers)² in the world was indeed in a dead state in India. It is in little progress in other countries so we must reconsider the Solow guidelines in order to have our independence. In nuclear reactor initially uranium has capacity to do work as time pass on uranium mass reduces and it will lost its capacity to do work but it's decay time will be in years. Whirl wind wheel resembles it leakage time may be called decay time. Here due to increase in mass by leakage it will lose its capacity to do work. whirlwind wheel works like a nuclear reactor but mass changes are Converse. In whirl wind wheel it will increase and in nuclear reactor it will decrease. Evacuation is similar to fission. In evacuation mass is separated as in and out and in fission heavy nucleus is split up. Leakage is similar to fusion. In leakage out mass combined within mass and in fission lighter nucleus is fused (combined) together. Reactor Shield is similar to boundary in whirl wind wheel. Reactor shield in nuclear reactor prevents rays come out but the boundary prevents air goes in. fission is possible even at room temperature similarly there is no large temperature changes in evacuation. Whirlwind wheel and tornadoes have the force similar to nuclear reactor but atom bomb force is similar to Hurricane.

GIFT POWER MACHINE

Perpetual motion of the second kind. Gift power machine can work indefinitely without human interference drawing its motive power from the inexhaustible sources of energy. Self winding clocks those would never stop³. Their working. Principles were based on the changes in atmospheric pressure difference and the principle of which is based on heat expansion. For this kind of Machines energy is not produced out of nothing or vacuum which was what the inventors of perpetual motion machines sought to achieve. It is supplied from an outside source that is surrounding atmosphere where it is stored up

by sunlight. To all practical intents a gift power machine would give the same advantage as could be derived from perpetual motion one if ever invented second kind of perpetual motion machine resembles a gift power machine although perpetual motion of the first kind that is creation of energy maybe impracticable, there is a possibility that use could be made of the vast stores of energy in the earth and especially in the ocean this has been called perpetual motion of the second kind (w Ostwald). Imagine a ship at a somewhat lower temperature than the sea on which it floats. Heat would pass in to the ship where it could be utilized in a suitable machine to produce the work necessary for propulsion. As a result of the friction between the propeller and the water, the work could be reconverted into heat which would pass into the ocean and the energy of the latter would remain unchanged. This suggestion is not contrary to the law of conservation of energy but it is nevertheless found as a result of experience to be impossible. William Thompson Lord Kelvin has in fact stated it is impossible to obtain work by cooling a body below the lowest temperature of the system and this is another way of expressing the second law of thermodynamics in order to convert heat continuously into work it is necessary for the machine take in heat at a higher temperature referred to as the source convert part of it into work and give out the reminder at lower temperature called the sink. The conversion of heat into work by an engine working in cycles requires an upper and lower temperature even when the conversion is only partial. It is now easy to understand why perpetual motion of the second kind is impossible. If the engine on a ship is at a lower temperature than the ocean it can take in heat but in order to convert this into work part of this heat must be given up at a still lower temperature. There is however no means available for absorbing this heat since all other bodies are at higher temperature. It is evident therefore that the engine for converting the heat of the ocean into work cannot function. Carnot has formulated the second law of thermodynamics as follows for heat to perform work; there should be a difference in temperature. A heat engine that operates

only with a high temperature source is called a perpetual mobile of the second kind therefore atmospheric air and water are used only as heat sinks and high temperature sources are created by burning fuel. The second law of thermodynamics can be then formulated as follows there can exist no perpetual mobile of the second kind. suggestion by G Claude to utilize the energy of the Tropical Seas is not contrary to the second law of thermodynamics he proposed to take advantage of the fact that the temperature of the surface water is considerably higher than that of the deeper levels⁸ it should be possible to take in heat from the water at the surface of the sea, convert it into work and give the remainder at a deeper level where the temperature is much lower. This resembles our whirl wind wheel. If it is compared with whirl wind wheel, the source atmosphere works like surface water, boundary works as a producer or ship and vacuum as deeper level water in G Claude perpetual motion of the second kind. Owing to our inability to eliminate all dissipation effects all real processes or Irreversible processes and the only way to change the systems energy is to perform work on it or have it to do work. According to the concept of equivalence of mass and energy based on the theory of relativity mass is to be regarded as a form of energy. The laws of conservation of mass and energy are thus complementary. The energy of a system is determined not only by the state of the system but also by the amount of the substance contained within it. If the quantity of material in the system is changed the energy will be changed proportionately.

CONSERVATION OF ENERGY PRINCIPLE:

Mass carries energy with it. Thus the energy content changes when mass enter or leaves the control volume. Mass flow through a cross section per unit time is called the mass flow rate and it is denoted by m . it is expressed as $m = pV A$ p = density kg per meter cube ($1/m^3$), V is average fluid velocity normal to A . A is cross-sectional area meter² the fluid volume flowing through a cross-section per unit time is called the volume flow rate $V=VA$ (m^3/s).

MATTER RESERVOIR SOURCE –ATMOSPHERE:

A matter Reservoir is considered to be sufficiently larger than the system so that the Reservoir with itself remain in a given equilibrium state. The atmosphere around the earth may be considered as a matter Reservoir supplying air and pressure to the engines. Differences in temperature create differences in pressure. Differences in pressure are manifest as high pressure and low pressure cells and the air moves (winds) in an attempt to equalize these differences. This is called the pressure gradient force. A low pressure cell is a partial vacuum and air will flow into it. This movement is called convergence. Air also rises in a low. If it raises high enough the air will cool and the water vapor will condense. Thus low pressure is associated with clouds and precipitation. A low pressure cell is a surface feature. Low pressure higher up in the atmosphere is called a trough. Winds very seldom blow directly from high to low pressure. For large-scale wind systems the carioles force modifies their direction. The fact that Earth is spinning means that the winds are deflected when viewed from a point on the surface. In the Northern hemisphere the deflection is to the right of the path of motion. Thus a South wind (moving north) is deflected to the right or east become a westerly wind. In the Southern hemisphere the deflection is to the left of the path of motion thus a South wind (moving North) is deflected to the left or west becoming an easterly wind. One of the most important results of this deflection is that air develops a circulation or rotary motion around highs and lows. In the Northern hemisphere circulation around a high is clockwise or anticyclone while in the Northern hemisphere the circulation around a low is Counter clockwise or cyclonic. In the Southern hemisphere air still diverges from high but its circulation is reversed that is it rotates clockwise. In the Southern hemisphere air still converge into a low but the rotation is Reversed to it is clockwise. This matter Reservoir is the energy supplier. We have two basic types of energy.

Transitional and stored. energy is energy in motion and as such can move across system boundaries. Stored energy forms as implied are

energy forms that can exist as mass position of a substance in a force field etc. These stored energy forms can usually be easily converted into some form of transitional energy. The transitional form of mechanical energy is called the work. Stored mechanical energy may be lumped under general energy term called potential energy. Potential energy is the energy associated with a substance's position in a force field. the energy associated with the position of a substance in a gravitational force field (the classical thermodynamics definition of potential energy) the energy of a substance due to its position in an inertial force field (the classical definition of kinetic energy) the energy associated with a substance with compressor field, the energy associated with a substance position in an elastic strain field and in magnetic field. Thus stored mechanical energy can exist in the form of elevated Heights flywheels, compressed air, springs and magnetic attraction of iron bodies.

SINK-VACUUM CHAMBER

Vacuum chamber is a rigid enclosure from which air and other gases are removed by a vacuum pump. Vacuum (Free space) A space which there is a low pressure of gas, i.e. relatively few atoms or molecules. perfect vacuum would contain no atoms or molecules.but this is unobtainable as all the materials that surround such a space have a finite vapor pressure⁵. Insoft or low vacuum the pressure is reduced to about 10^{-2} pascal, where as a hard or high vacuum has a pressure of $10^{-2} - 10^{-7}$ Pascal. Below 10^{-7} Pascal is known as an ultra high vacuum. Vacuum pump. A pump used to reduce the gas pressure in a container normal laboratory oil – seal pump can maintain a pressure of 10^{-1} pa. For pressures down to 10^{-7} pa a diffusion pump is required. Ion pumps can achieve a pressure of 10^{-9} pa and a cryogenic pump combined with a diffusion pump can reach 10^{-13} pa. These results in a low pressure environment within the chamber commonly referred to as a vacuum with proper insulation. Chambers often have multiple ports covered with vacuum flanges to allow instruments or Windows to be installed in the walls of the chamber. In low to medium vacuum

applications there are seals with us elastomers, O ring seals pistons and Bellows etc. The applications of vacuum Technology utilizes one or more physical situations obtained by rarefying the gas. some of them achieve products of facilities in which the vacuum exist during all their lifetime. Example lamps tubes accelerator etc. The pressure difference achieved by evacuating a vessel realizes forces on the walls up to 1 kg per square centimeter. These forces are used for holding or lifting solids, for the transport of solids or liquids and for forming (shaping) objects. By using sniffers which are evacuated after being placed with their mouth on the objects to be lifted, very small objects can be precisely lifted and transferred. Relatively large objects can be lifted if the mouth of the lifting Cup is large 5–7 tons can be lifted with a mouth of one meter square child delivery vacuum cups are being used for safe delivery. The pneumatic transport systems connecting post offices in Paris or London are examples of very large vacuum transport facilities. That of Paris has a length of about 300 km of double 60 or 80 mm bore tubes they are using a pressure of 450 torr for the transport from post offices towards pumping stations and an over pressure of 0.8 atmosphere for transport in the opposite direction⁴. The transport cylinders containing the letters move at a speed of 8 to 10 M per second. It is interesting to mention that pneumatic trains working on this principle were in function in Dublin and Saint Germaine in the 1840 to 1860 years. Nature abhors a vacuum. To create a vacuum we have to do some work on it. For control volumes an additional mechanism can change the energy of a system mass flow in and out of the control volume. when mass enters a control volume the energy of the control volume increases because the entering mass carry some energy with it likewise when some mass leaves the control volume energy contained within the control volume decrease because the leaving Mass takes out some energy with it. For example when some air is taken out of chamber and is replaced by the same amount of leakage air, the completion of the cycle is in 240 years. The energy content of the chamber control volume remains same as a result of this mass interaction.

WORK AND PROPERTY

In mechanics work means accomplishment. A force is said to have done work if it moves the body on which it acts through a certain distance. If a force is not able to produce any displacement no work is said to have been done. The term work itself does not convey any meaning in Physics. Work is either done on a body or work done by a body. In everyday life the term work is attributed to numerous acts lifting a load, going up or down a hill, stopping a moving ball, Bullet hitting a target. According to Obert work is defined as the energy transferred without the transfer of mass across the boundary of a system because of an intensive property difference other than the temperature that exists between the system and surroundings. The intensive property difference is the pressure difference. The pressure difference between the system and surroundings at the surface of the system gives rise to a force and the action of this force over a distance is called mechanical work. This is pdv work or displacement work; it is always in the direction of lower pressure. Work is not a thermodynamic property. A property is any observable or measurable characteristic of a substance. Properties may be classified as intensive and extensive. Intensive properties are independent of mass temperature pressure and densities are examples. Examples for extensive property are volume internal energy weight entropy. They are independent up on mass. An extensive property that is additive in the sense that its value for the whole system is the sum of the values for its parts. Similarly properties are intrinsic temperature and pressure. Extrinsic velocity and elevation. A property in which time is involved that is the rate at which the interaction can occur such as transfer of mass Momentum or energy is called transport property. If a property or properties of a substance are changed then the state is said to be changed when considering open systems mechanical state must also be known in addition to thermodynamics state. The mechanical properties necessary to determine mechanical state are 1 position in the gravitational field that is height above from datum level and two velocity related to fixed boundary of the system. The two Mechanical properties

are independent of one another and also independent of thermodynamic properties. Mechanical state is something which can be superimposed upon the thermodynamic properties. For a system to be in mechanical equilibrium there should not be any pressure unbalancing either in the interior of the system or between the system and surroundings:

CLOSED SYSTEM AS A WORK RESERVOIR

A closed system and its surroundings can interact in two ways 1 by work transfer 2 by heat transfer. These may be called energy interaction and these bring about changes in properties of the system. Work is one of the basic modes of energy transfer. In mechanics the action of a force on a moving body is identified as work. Force is a means of transmitting an effect from one body to another. But a force itself never produces a physical effect except when coupled with motion and hence it is not a form of energy. An effect such as the raising of a weight through a certain distance can be performed by using a small force through a large distance or a large force in a small distance the product of force and distance is the same to accomplish the same effect. The action of a force through a distance or of a torque through an angle is called mechanical work. The product of the force and the distance moved parallel to the force is the magnitude of mechanical work. In Thermodynamics work transfer is considered as occurring between the system and surroundings. Work is said to be done by system if the sole effect on things external to the system can be reduced to raising of a weight. The weight may not actually be raised but the net effect external to the system would be raising of a weight. Energy of a body is defined as its capacity to do work. 1 potential energy is the mechanical energy possessed by a body due to its position or distortion. 2 kinetic energy possessed by a moving body. A moving body is capable of doing work. The work which a moving body can do is equal to its kinetic energy. Work done by a force is equal to the change of the kinetic energy of the body. The source of energy is in two kinds. I High grade energy. examples are mechanical work, wind, tidal, water power etc.

Low grade energy is heat or thermal energy. Willard Gibbs indicated that environment plays an important part in evaluating the available energy.

WORK RERESERVOIR OR MECHNICAL ENERGY RESERVOIR

In Thermodynamics a system can have in general Three Types of interactions. Work interaction mass interaction and heat interaction. With its surroundings, we shall assume that there will exist three kinds of thermodynamic reservoirs work Reservoir, mass Reservoir and heat reservoir. Atmosphere always works like a heat engine due to heat from the sun and the atmosphere is both source and sink. Work Reservoir is defined as energy storage system in which every unit of energy crossing its boundary is energy that can do work for us. This definition implies that from the consideration of the second law of thermodynamics all process occurring in a work Reservoir as in the case of heat Reservoir are irreversible. Since work Reservoir is simply a closed system it contains finite controlled mass with work transfer across its boundary only, the entropy change of work Reservoir due to work interaction is assumed to be zero. The boundary used in this case is known as adiabatic wall. The forces acting across its boundaries are independent of direction or rate of change of the energy transfer process. there a change of state of work Reservoir also occurs in an internal Irreversible manner. A work Reservoir might be visualized as a perfectly elastic spring that compressed by the work done on it by a system, or as a weight that is raised as the system does work upon the Reservoir and lowered as the Reservoir does work on the system. A work Reservoir acts solely as a source or sinks for the exchange of the work with another system. Boyle sought an explanation for the spring of the air and proposed that air consisted of many slender and flexible air like a sheep's fleece each of which may indeed like a little Spring be easily bent are rolled up. Boyle's concept of air is an elastic substance.: Boyle put it there is power in the air we live in. Air is especially endowed with compressibility. Boyle felt that air had both weight and mass and was like a spring capable

of being compressed when pressure was put on it and expand when the pressure was removed. In 1798 COUNT RUMFORD suggested that heat and mechanical work or equivalent and the concept of the spring of air began to take on still deeper meaning as a work reservoir. Thus atmosphere acts as both source and sink. Work Reservoir indicate that it proceed slowly through equilibrant states and can be restored to original state at any point in the process. This is a machine that utilizes the external energy of only one inexhaustible mass Reservoir that is atmospheric pressure. In this process it is possible whose sole result is utilization of pressure from Reservoir and the conversion of it into work. Thus this is a device which has the capability of delivering or absorbing energy in the form of work in reversible manner.

FLOW WORK

The energy required to push fluid into or out of a control volume is called the flow work or flow energy. It is considered to be a part of the energy transported with the fluid. Unlike closed systems control volumes involve mass flow across their boundaries and some work is required to push the mass into or out of the control volume. This is known as the flow work or flow energy and is necessary for maintaining a continuous flow through a control volume. Energy required to do this work is called activation energy that is used for evacuation process. In heat engine Mass or energy change is combustion with raising temperature but in Whirl wind wheel energy or mass change is mass deletion or displacement with decreasing (cooling) temperature both are contrary but advantage is useful work. In tornado or in whirlwind wheel expansion is Ceaseless or change in volume is assumed to be ceaseless but no change in the boundary volume. Hence this work may be considered as pdV or Vdp , displacement work and work is not a thermodynamic property. Pushed out air small quantity cannot change the outside entropy significantly but leakage air a small quantity can significantly change the inside entropy and maximize the disorder which brings the system into equilibrium.

A non equilibrium state is then one in which full use is not being made by the system of the phase space Ranges that are open to it under the conditions to which it is subject, so that its behavior exhibits less phase range or heterogeneous then in the state of equilibrium that satisfies the equation Total energy is equal to energy available + energy unavailable. Availability of a work reservoir: No definite end state can be assigned to a process in which energy is withdrawn from a work reservoir such reservoir by definition never come to equilibrium with environment and it is meaningless to speak of the maximum amount of useful work that can be obtained from them. We therefore define availability of a work Reservoir has the maximum amount of useful work that can be obtained when a specified quantity of energy is withdrawn from the given reservoir. For a work Reservoir the problem is simple, since in the absence of friction all of the work withdrawn from such a Reservoir can be completely transferred to work or bring into motion.

NATURE ACTIVITY

Nature abhors a vacuum. To form a depression area in a vacuum chamber we have to work with vacuum pump. Work is not a thermodynamic property but a path function. Pdv or Vdp is displacement work. Transitional energy is the energy in motion and as such can move across its system boundary. During an interaction between a system and its surroundings, the amount of energy lost by the system must be exactly equal to the amount of the energy gained by the surroundings or vice versa. This is the first law of thermodynamics.

In whatever form energy exist work can only be obtained if the energy (mass) is present in a state of Greater intensity (source atmospheric ocean) in one part of the system and the lesser intensity (sink vacuum) in another part of the system⁵. This is the second law of thermodynamics. Whirlwind wheel fulfill these two laws. Jafferays theorem states that if temperature gradients are maintained any level surface in the atmospheric ocean motion will persists cooling or vacuum may be just as effective as heating in initiating atmospheric motion.

Whirlwind Wheel

1. Double walled vacuum chamber 2. Valves for evacuation of air
 7. Metal bellows 10. Rim

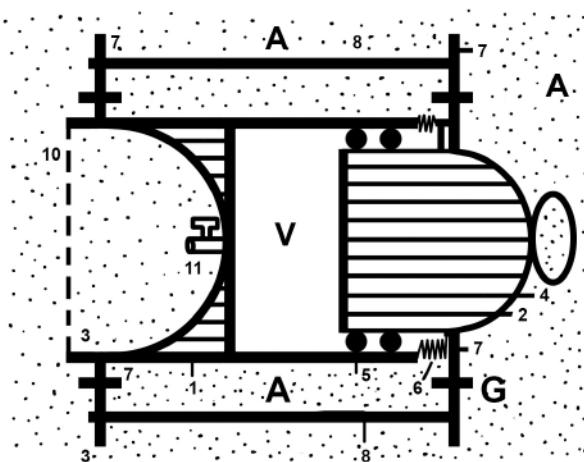
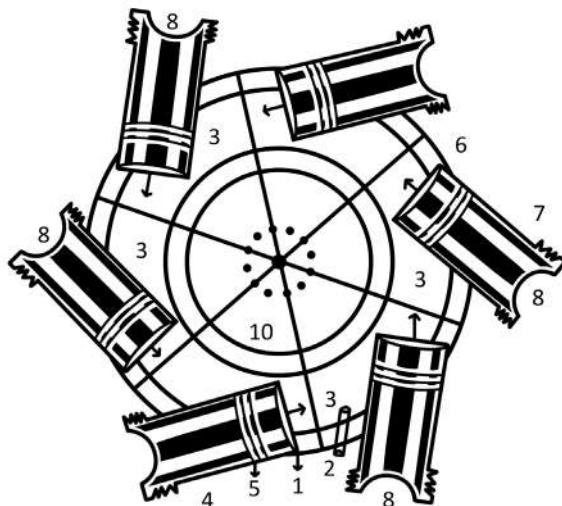


Figure Captions: 1. Bore or outer tube 2. Inner tube or piston 3. Concave shaped hemisphere 4. Convex Shaped hemisphere 5. Os Ring Seals 6. Bellow 7. Normal rods 8. Parallel rods 9. Wheels 10. Shutters or doors V. Sink A Sources 11. Valve A Sources

PRESSURE DISTRIBUTION FOR VORTEX FLOWS

The flow between two concentric streamlines at an infinitesimal distance apart is represented as a flow in curved path. The radius of the curvature of the path is R , The tangential linear velocity is V^{11} . The infinitesimal element has a height dR and an area dA along the curved surface. The mass of this element is $\rho dR dA$. The normal or radial acceleration is V^2/R . The pressure varies from p to $p + d$ as the radius varies from R to $R+dr$ and the pressure increases with radius is curved flow in a forced vortex the linear velocity v at any point at a distance R from the centre of rotation is given by the relation $V = RW$ here W is the angular velocity in radians per unit time. The combination of a forced vortex in a central core around the center of rotation and a free vortex outside of the forced vortex. In the central core (Forced vortex) the velocity is directly proportional to the radius. Outside of central core (Free vortex) the velocity is inversely proportional to the radius. Artificial vortex will be called a whirlwind wheel. Significant area is the edge at forced and free vortex.

EXPERIMENTAL PROCESS

The laws of thermodynamics are related to the state of equilibrium. An associated equilibrium state has the maximum entropy state with same mass and energy. But if a steady motion around a closed system is to be maintained against a retarding force of friction then on the average the moving parcel must gain entropy at high temperature relative to entropy loss at low temperature. It means in whatever form energy exist work can only be obtained if the energy is present in a state of Greater intensity (atmospheric pressure) in one part of the system and lesser intensity (vacuum) in another part of the system. It is the difference in intensity that measures the available energy what is left of the total energy content after the available energy subtracted is unavailable energy or entropy. Cooling or vacuum may be just as effective as heating in initiating fluid motion and there will be an

acceleration developing from a source of pressure towards the sink. The motion obviously tries to restore the equilibrium that was disturbed by external influences and if cooling exists always then fluid is forever in motion or persists at least as long as they are not in balance. A line of low pressure is called trough such a pressure system is called a low or depression. Whirl wind wheel is a symmetrical trough. Evacuation processes on the whirlwind wheel developed depression in the vacuum chamber which may be constructed like a spokes covered (Permanent vacuum behind anemometer cups) Anemometer but looks like JCB big wheel. This Chamber is a closed system of circular shaped isobars whose Centre serves as the focus for convergent circulation. Because of the lowest pressure at the centre. The winds from outside blow and converge towards it. Vacuum in the chamber and atmosphere outside the chamber together forms this system. The schematic diagram for the experimental arrangement is Shown which is a connection of (work reservoir or sink) vacuum chamber to the inexhaustible atmospheric pressure (mass reservoir or source) with the help of cylindrical shaped double-walled Ultra high vacuum chamber. The Chamber or boundary (isobaric surface) is the basis of artificial vacuum which exchange energy but not mass with its surroundings like a closed system. Six Pistons are arranged like spokes covered anemometer cups as a regular hexagon. Front parts of these covered Pistons are look like tilted cars whose drag coefficient is less (0.2).

$$\text{DRAG FORCE } F_d = C_d A p V^2 / 2$$

where C_d is drag coefficient. p density of fluid, V , free stream velocity A is the projected area of the body on a plane normal to the flow and back parts of these pistons are in semi spherical concave shape with high drag coefficient (1.4). It is connected to an axle at its centre. evacuation process develops pressure difference in two parts outside and inside.

$$\text{Work done on the sink } W = n r t \ln (P_a / P_i) = M g h$$

will decrease internal energy and entropy inside the chamber. In the viscous flow range

$$\text{Pump down time } T = V/S 2.3 \log (Pa/Pi)$$

this is in minutes or in hours only. Pa is initial atmospheric pressure in the chamber. Pi is internal or final pressure in the chamber, T is time, V systems volume, S= pumping speed. The net change of the energy of the system is always equal to the net transfer of the energy (air) across the system boundary as mass and work. Evacuation process develop negative Gibbs free energy on the Chamber which is

$$\Delta G = -nRt \ln (Pa/Pi) = nRt \ln (Pi/Pa).$$

Nature abhors a vacuum so it tries to prevent the formation of vacuum by laying hold of anything nearby with it and instantly filling up any evacuated space. Air at high pressure is capable of doing more useful work than one at lower pressure if both lead to the products at the same pressure⁸. Air at pressure has high free energy and spontaneous process with their accompanying decreasing free energy can occur. The change in internal energy of the system depends only on the initial and final states and not on the path by which the changes brought about the change in entropy for the process is Virtually all due to entropy produced or changed in the system. So this system can do work under the influence of a load on it like a reversible machine. Air load exert pressure on sliding shafts sliding Pistons apply force on connecting rods and they look like V shape or with 90° and form a moment, and two such moments with unlike forces in equidistance from the centre forms a couple of moments tends to set the boundary into rotation like a whirling tube. The coriolis force is zero at the equator very small at the Tropics and maximum at the poles and in prandtl layer wind is considered to be only horizontal. when we speak about higher efficiencies we are actually speaking about an accomplishing a given objective with a small total increase in entropy due to leakage The leak rate is the quantity of

air (pv) units flowing per unit time in to the system. obviously a perfectly tight vacuum system is one having a zero real leak rate. but to achieve this is as impossible as it is to reach zero pressure. According to leak rate specifications for a static system if the leak rate is reduced to 10^{-10} torr liters per second then the time for one centimeter cube STP air inflows 240 years which will be less for a dynamic system as leak rate increases with velocity. Hence the decay time of unstable mechanical equilibrium is less than 240 years. Time to work done by the system is inversely proportional to the leak rate into the system. The effectiveness of action of the system can be increased by adopting the effective construction process and by performing the evacuation process now and then depending on the pressure measurements by gauges. The ratio of output to input time will be several times greater than one so in this system a smaller force acting for a long time may do more work than greater force acting for a short time. By connecting with a Dynamo it produce electricity. Otto Von Guericke Magdeburg in his hemispheres experiment did not continue evacuation process while 16 horses were pulling to separate the two hemispheres with a diameter of 37 CM. The pressure difference achieved by evacuating a vessel can realize forces on the walls up to one kilogram per square centimeter. Relatively large flat objects can be lifted with a mouth of the lifting cups is large.5 to 7 tons can be lifted with a mouth of one meter square. suitable systems can be developed like opposite vectors to lift the weights vertically up in similar conditions but they cannot work against wind direction which is contrast with whirl wind wheel in which wind direction cannot effect as in Anemometer.

Pressure difference at the front and back side of Anemometer cups is less but wind has velocity. In this experiment initially wind has no velocity but either side of the cups pressure difference is more. It does not require continuous supply of energy at cost by humans as in in pneumatic transport system in London and Paris.

CONCLUSION

Air filled balloon moves if there is a leak and atmospheric pressure push the Piston into the empty syringe since wind blows from high pressure area to low pressure area. This is an example for first and second laws of thermodynamics. If there is the leak it is first law with mass and boundary displacement, no leakage it is only boundary work Or second law. These are the base for a new statement or AIR REACTOR theorem. Aero plane is a Fluid Power fruit and it works with differences in pressure and drag coefficient. Whirlwind wheel work is similar to it. In aero plane pressure difference in two parts are open but in Whirl wind wheel low pressure area sink is closed source is open atmosphere. Due to lack of suitable energy human life became critical. Now world attention is on non conventional energy and environment protection. This will become a solution to UN decade 2014 – 2024 of sustainable energy for all, economic Independence and step in sustainable development As per butter fly effect a very small initial difference may make an enormous change to the future of the system. A butter fly flaps its wings in one part of the world may make the difference between a tornado occurring or not occurring in some other part of the world. But in this experiment all conditions are under our control hence this can generate power at low cost and solve environment health and energy problems. Vacuum cylinder brakes in trains may be useful to construct this WHIRL WIND WHEEL.

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Fig:1- Convex shape with less drag coefficient



Fig:2- Concave shape with high drag coefficient



Fig:3- vacuum cylinder with unbalancing force

At the begining

$$\text{Resultant force} = (1.4 - 0.4) 2 2 (\text{Pa} - \text{Pi})$$

After few seconds

$$\text{Resultant force} = (1.4 - 0.4) 2 \pi r^2 P v^2 / 2.$$

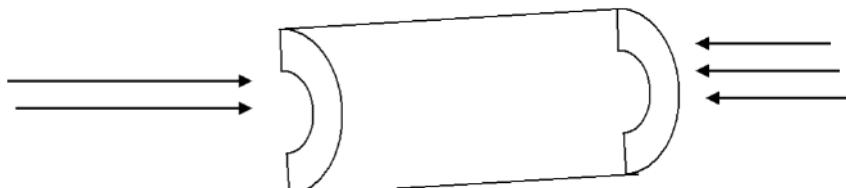




Fig1: Atmospheric pressure in the entire system.



Fig2: Vacuum in cylinders (Sink). Atmosphere (Source) outside the cylinders.

WHIRLWIND WHEEL - WHEEL REVOLUTION WITH FLUID REACTOR

Innovator: DR. J Harihara Reddy

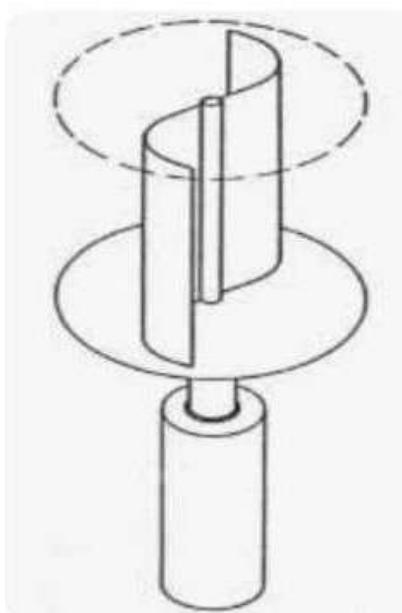
AIR – VACUUMREACTOR THEOREM

If a permanent vacuum (low pressure area) is arranged in a cylindrical shaped body fixed with six pistons with bores to its sides like a regular hexagon and connected to an axle at its center then atmosphere push the obstructed pistons inwards like spokes covered Anemometer cups since Nature abhors a vacuum (Negative Gibbs free energy). Rotating axes connected to generator generate power like vertical axes wind mill without interruption as per needs.



THE ROBINSON ANEMOMETER

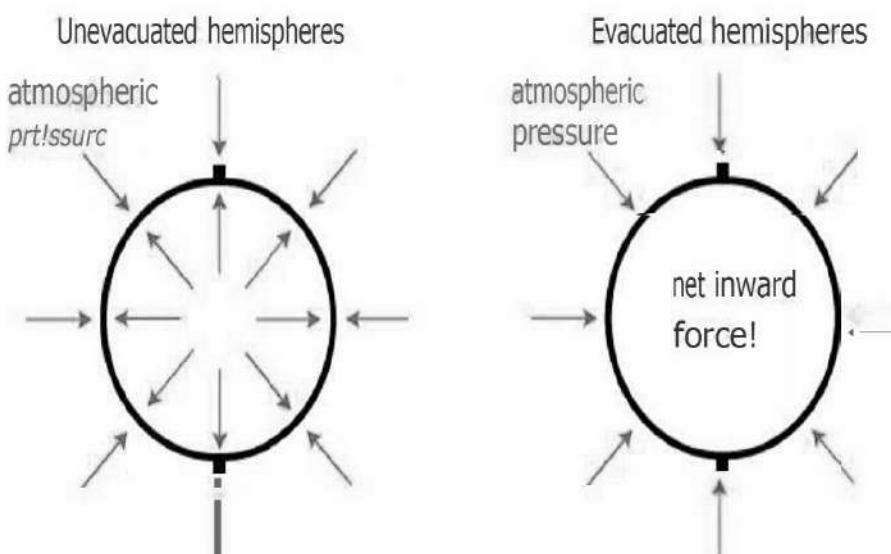
A hemispherical-cup anemometer of the type invented in 1846 by John Thomas Romney Robinson.



© Kemendikdasmen
Modification and Testing
o with Double Sav...



2 Cup Aluminium Body Suction Lifter



■ WIND POWER TECHNOLOGY



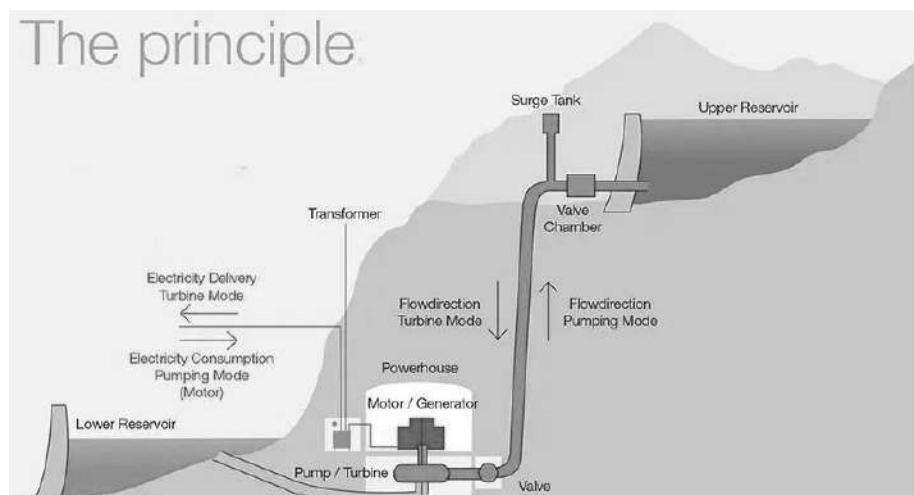
The first sailor learned to use wind to an advantage about ten thousand years ago. The discovery probably occurred when the sailor stood up in the boat and found the wind pushed the boat along on a breezy day. It took another two thousand years before the first sailing boat was devised. The first sail boat could sail only with the wind. The true sailing ships took many hundreds years to be developed. Sailing ships carried most of the world's waterborne trade until well into 1850's when the steam powered ships became competitive while sailing ships were fast and economical, they were always at the mercy of the wind. The wind could vary to no wind at all to the full force of gale, or hurricane now sailing is done for sport.

WINDMILLS

The wind mill is a power plant that harness natural energy of the wind. It doesn't cause atmospheric pollution. The wind acts on inclined vanes or sails that usually radial from a horizontal shafts.

Rotation of the vanes generally transmit power to a water pump or electric generator. Wind mills didn't make their appearance until the 10th century. They first appeared in Persia which is now Italy. Unlike conventional wind mills whose blades face directly to the wind. Persian wind mills had their blades on horizontal plane.

PUMPED STORAGE TECHNOLOGY



At its heart pumped storage power plant technology sees water pumped to a higher elevation reservoir when there is a surplus of electricity. This water is then released into lower elevation reservoirs to generate electricity when needed.

- Air mass is a large volume of air in the atmosphere that is mostly in uniform temperature and moisture. The atmosphere surrounding the earth consists of air, This air exerts pressure on the surface of the earth. The force due to the vertical column of air on a unit area on the surface of the earth gives the atmospheric pressure usually it is 1 kg per square centimeter. This air is in Perpetual motion. But always there is a gap in between two molecules. Air molecules collide each other and change their direction. But in special conditions all or many molecules possess same direction

as in whirl winds tornadoes, cyclones etc. These are large forces they can destroy their way.

- Machines A device capable of making performance of mechanical work easier, usually by overcoming a force of resistance (the load) at one point by the application of a more convenient force (small effort) at some other points.

REVERSIBLE AND IRREVERSIBLE MACHINES

- A machine is said to be reversible when the load W gets lowered on the removal of the effort. In such a case work is done by a machine in reverse direction. A machine is said to be irreversible when the load W does not fall down on the removal of the effort. In such a case work is not done in reverse direction. A reversible machine is not a self-locking machine. The condition for reversible machine is that it's efficiency should be more than 50%. A syringe is a machine will become IRREVERSIBLE if there is leak, pulled wouldn't move inside, if no leakage piston moves inside. Mass or air is energy. The energy of a system is determined not only by the state of the system but also by the amount of the substance contained within it. If the quantity of material in system is changed the energy will be changed proportionately. Mass carries energy with it. Thus the energy content changes when mass enter or leaves the control volume.

SOURCE, ATMOSPHERE – MATTER RESERVOIR

- A matter Reservoir is considered to be sufficiently larger than the system so that the reservoir with itself remain in a given equilibrium state. The atmosphere around the earth may be considered as matter Reservoir supplying air and pressure to the engines. Differences in temperature create differences in pressure. Differences in pressure are manifest as high pressure

and low-pressure cells and the air moves in attempt to equalize these differences. This is called the pressure gradient force. A low pressure cell is a partial vacuum and air will flow into it. This movement is called convergence. Winds are seldom blow directly from high pressure to low pressure. For large scale wind systems the coriolis force modifies their direction. In the Northern hemisphere circulation around a low is counter clockwise, in the southern hemisphere it is clockwise.

SINK – VACUUMCHAMBER

- Vacuum chamber is a rigid enclosure from which air is removed by a vacuum pump. Vacuum (Free space) A space in which there is low pressure of air, relatively few atoms or molecules. Perfect vacuum would contain no atoms or molecules but this is unobtainable as all materials that surround such a space have finite vapor pressure. Normal or standard pressure is due to pressure exerted by a column of mercury 0.76m high. Normal pressure $hdg = 0.76 \times 13.6 \times 10^3 \times 9.8N/m^2 = 10^5 N/m^2 = 1 bar$. 101325 Pascal's. In Soft or low Vacuum the pressure is reduced to 10^{-2} Pascal's, whereas hard or high vacuum has a pressure of $10^{-2} – 10^{-7}$ Pascal's. Mechanical or air pump is useful for this experiment. we have transitional and stored energy systems. Transitional energy is energy in motion and as such can move across system boundaries. Stored energy forms as implied are energy that can exist as mass position of a substance in a force field. These stored energy forms can usually be easily converted into some form of transitional energy. This transitional form of mechanical energy is called work. Work is either done on a body or by a body.

Design:

- A plan, specification or drawing produced to show the work and foundations or working of a machine. Design is a system for

tracking energy or inventory with shape, space and texture. Catalyst: Someone or something that causes something to happen or change. Example: NUCLEAR REACTOR: In Nuclear reactor initially Uranium has capacity to do work as time pass on uranium mass reduces and it will lose its capacity to do work but it's decay time would be in years. WHIRL WIND WHEEL resembles it. Leakage time may be called decay time. Here due to increase in mass by leakage it will lose its capacity to do work.

- WHIRLWIND WHEEL works like a nuclear reactor but mass changes are converse. In Whirl wind wheel mass will increase but in nuclear reactor mass decrease. Evacuation is similar to fission, In evacuation mass or molecules are separated as in and out and fission heavy nucleus is split up. In Leakage out mass is combined with in mass is similar to fusion lighter molecules combined together.
- Reactor shield is similar to WHIRL WIND WHEEL BOUNDARY OR A CLOSED SYSTEM WITH VOLVES.

Aero plane with convex, concave shaped wings with low pressure above, high pressure below the wings, Reversed turbines (hydro) works resembles but only time variation due to open systems, but whirl wind wheel is closed system. Body pushing aside work will be less than body lifting up work.

NATUREACTIVITIES

- Nature abhors a vacuum. To form a depression area in a vacuum chamber we have to work with vacuum pump. Work is not a thermodynamic property but a path function. Pdv or vdp is displaced work. Transitional energy is the energy in motion and as such can move across its system boundary. During an interaction between system and surroundings the amount of energy lost by the system must be exactly equal to the amount of gained by the surrounding or vice versa. This is the first law of thermodynamics. In whatever form energy exists work

can only be obtained if the energy (mass) is present in a state of greater intensity. (source, atmospheric ocean) in one outer part of the system and lesser intensity (sink, vacuum inside the chamber) in other part of the system. This is the second law of thermodynamics. WHIRLWIND WHEEL satisfies both laws.

- ISOBARS and PRESSURE GRADIENT on a surface weather map the closeness of the ISOBARS (lines of constant pressure) generally indicates the pressure gradient. There is a big pressure gradient when multiple lines are densely packed on the map. Stronger winds are associated with larger gradients in pressure. Our WHIRLWIND WHEEL – WHEEL REVOLUTION WITH AIR REACTOR is an imaginary pressure gradient.
- MASS (ENERGY) – WORK (VACUUM = No mass = No energy) RESERVOIR
- Atmosphere always works like a heat engine due to heat from the sun and atmosphere can become both source and sink.
- Mass is energy, energy has the capacity to do work, No mass = No energy = No work. Work reservoir is defined as energy storage system in which every unit of mass crossing it's boundary is energy that can do work for us. No mass in the reservoir means it is in unstable equilibrium with atmosphere. Work reservoir is simply a closed system (if VOLVES are closed) it contains finite controlled mass with work transfer across its boundary. The boundary used in this case is known as adiabatic wall. The forces acting across its boundaries are independent of direction or rate of change of energy transfer.
- This is a machine that utilizes the external energy of only one inexhaustible mass reservoir that is atmospheric pressure. In this process it is possible whose sole result is utilization of pressure from reservoir and conversion of it into work. Thus, this device which has the capability of delivering or absorbing energy in the form work in reversible manner.

- Availability of a work reservoir: No definite end state can be assigned (if no leakage) to a process in which energy is withdrawn from a work reservoir such reservoir by definition never come to equilibrium with environment and is meaning less to speak of the maximum amount of useful work that can be obtained from them. we therefore define availability of a work reservoir has maximum amount of useful work that can be obtained when a specified quantity of energy is withdrawn from the given reservoir. Air or wind is high grade energy it can be completed converted to work.

EXPERIMENTAL PROCESS

- Atmospheric mass 5×10^{15} tons becomes our available free energy for work at all places all times at low cost and indigenous.
- Atmosphere with high intensity is the source, vacuum, no mass or low intensity is sink. Source minus sink is the available energy is work.
- Atmosphere minus vacuum = Atmosphere. No change in quantity or quality in source except displacement due suction but in sink mass decrease or increase with suction and leakage. It depends on construction and it is in our control.

DESIGN

The diagram for the experimental arrangement is shown which is a cylindrical shaped double walled ultra-high vacuum chamber.

Six pistons are fixed at its edges like a regular hexagon. Its center is fixed to an axle and it can freely rotate. Initially valve is opened air is inside and outside and the system is in equilibrium and it is irreversible, forces are in balance. Evacuation in the chamber with pump (work done on it in limited time) develop vacuum in the chamber. Close the valves. Mass or energy are not equal in and outside, it becomes reversible. It is capable to do work in the reverse direction by atmosphere. As long

as there is vacuum inside the chamber atmosphere can do work on it. This will become work reservoir and work output time. Atmosphere work on systems output time is more than our work on input time. If the construction is proper and no change in reactants can make it alive and produce electrons as long as it is reversible.

$$\text{DRAG FORCE} = F_d = C_d A \rho v^2 / 2$$

- Where C_d drag coefficient, ρ is density of the air, v is velocity, and A is the projected area of body on plane normal to the flow and pistons out part is in hemispherical concave shape with high drag coefficient.

Work done on the sink or work reservoir $W = nrt \ln (p_a/p_i) = Mgh$

Will decrease mass or energy inside the chamber. In the viscous flow range

- PUMP DOWN TIME $T = V/S \log (P_a/P_i)$ This is in minutes or in hours p_a initial atmospheric pressure in the chamber, p_i is internal or final pressure in the chamber. T is time, V systems volume, S is pumping speed. The net change of the energy of the system is always equal to the net transfer of the mass air across the system boundary as mass and work. Evacuation process develop negative GIBBS free energy.

$$\Delta G = -nRT \ln (P_a/P_i) = nRT \ln (P_i/P_a)$$

ADVANTAGES

- Sails & windmills are based on wind time. But this needs vacuum which can be controlled by us as per necessities, it can continue its work for long time with less input. It is similar to aero plane but not in work input time.
- Work input time is equal to work output time in all present machines so costly.

- This machine work output time is several times more than input time since leakage is controlled.
- This can be constructed in rural areas and make all villages are power stations.
- More electric vehicles, machines can develop to control DE carbonization to control global warming.
- This brings energy independence and Control tensions for fuels.
- Energy became universal currency and it reduce fuels transportation from long distance. Fuels transport vehicles number decrease anddecrease Accidents on roads.
- Indians modern wheel for peace become model to the world.
- Ancestors high grade machines become true, considered impossible.

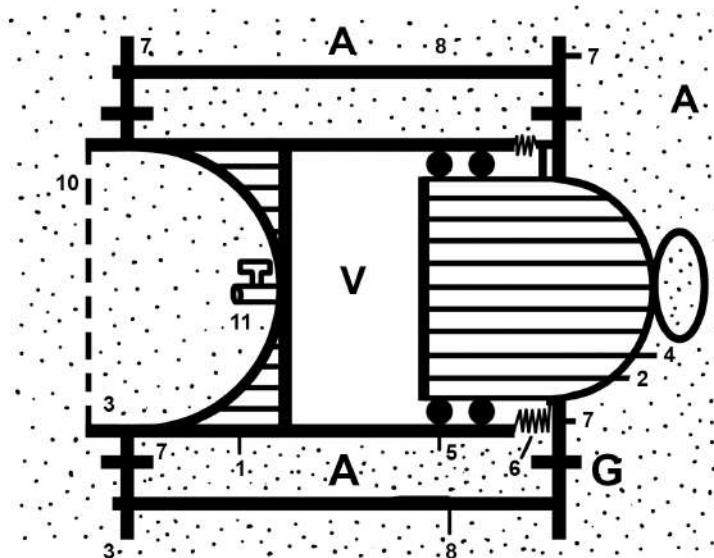
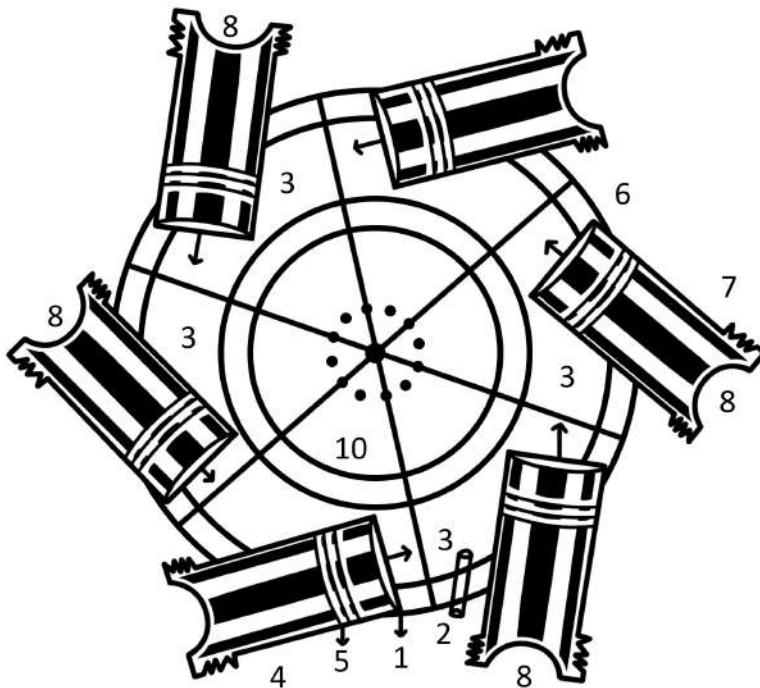


Figure Captions: 1. Bore or outer tube 2. Inner tube or piston
 3. Concave shaped hemisphere 4. Convex Shaped hemisphere
 5. Os Ring Seals 6. Bellow 7. Normal rods 8. Parallel rods 9. Wheels
 10. Shutters or doors V. Sink 11. Valve A Sources

Whirlwind Wheel

1. Double walled vacuum chamber 2. Valves for evacuation of air
 7. Metal bellows 10. Rim



CONCLUSION

- Nature abhors a vacuum.
- Atmosphere tries to fill the vacuum with pistons but can transfer force to boundaries and keep in rotation.
- Displacement work pdV or VdP continue since No leakage no change in them.
- But resultant or sum of the couples is equal to its area $3\sqrt{3}s^2/2$.
- It is in 3 dimensions it will become in n times the area or n revolutions.

THEORY

- Nobody is going to pour truth into your/our brain. It is something we have to find out for your/our self. Noam Chomsky. Energy is central to any discussion of sustainable development.
- Energy is a principal requisition for basic human needs, Energy is a key motor of macroeconomic growth and energy use is a major source of environmental stress. The ability of questioning and solving challenges from the smallest events properness for greater challenges and on other hand to finding out the cause for each event.
- A wide observation of nature in training the renewable energies are considered and are inspired by the nature in the field of renewable energy. Nature observation inspire thinking. Tantra or imagination, Mantra expressing imagination in words or designs, and yantra constructing machines or skills. Nature observation teach us wind and flowing water force. Designed wind mills and hydro turbines.
- Hydro power or hydroelectric power is one of the oldest and largest sources of energy which uses natural flow of moving water to generate electricity. Hydro power also known as water power, the use of flowing fast running water to produce electricity. Energy from the water in rivers and streams is known as hydro power.
- The magnitudes of the electricity produced by a hydro power plant depends on head and on the flow, the volume of water per unit of time measured in cubic meters per second. The greater the head and the flow, the greater the amount of electricity can be generated. One of the most common methods of generating hydro power is to dam a river to create a large reservoir, and the flow causes the turbines to spin, thereby creating electricity.
- However, carefully planned hydropower development can and does make a great contribution to electrical system reliability and stability through out the world.

THE LIQUID STATE

- A liquid may be regarded as condensed gas or a molten solid. In a solid, the molecules are rigidly fixed and, therefore, it has a definite shape and a definite volume. In a gas, on the other hand, the molecules have random motion and, therefore it has neither a definite shape nor a definite volume. In a liquid, the molecules are not as rigidly fixed as in solids. They have some freedom of motion which, however, has a definite volume although not a definite shape. It is much less compressible and far denser than a gas. Since the molecules in a liquid are not far apart from one another. The intermolecular forces are fairly strong. Characteristic properties of liquid arise from the nature and magnitude of these intermolecular forces.

THE VACANCY THEORY OF LIQUIDS

- A liquid is generally less dense than the corresponding solid implying thereby that intermolecular space in a liquid is more than that in a solid. ERING and REE proposed a simple theory that the intermolecular space in a liquid is not randomly distributed but contains molecular sized holes or vacancies. The liquid is considered as a random congregation of the molecules and these holes. It is assumed that the molecules surrounding a given hole can easily jump into it and are thus gas-like whereas those in immediate contact with hole are solid-like molecules. The probability that a hole confers gas-like properties on its neighboring molecules is proportional to the fraction of the neighboring positions occupied by the molecules.

THE FREE VOLUME IN A LIQUID

- In contrast to gas in which under ordinary pressure, the molecules move over considerable distance before colliding with one another. In a liquid the molecules move over an infinitesimally

small distance before colliding with one another. This is due to the fact that each molecule in a liquid is tightly surrounded by almost 10 to 12 neighbors forming a sort of spherical cage which can be approximated to a spherical shape of radius r_m which is only slightly bigger than the enclosed molecule of radius r_m . It is evident that the center of the caged molecule can move about in a very small volume. This volume for a mole of molecules is known as free volume. The radius r represents the average distance traversed by a molecule between collisions with the walls of the spherical cage. If we assume that the average speed of molecules of the liquid is $3 \times 10^4 \text{ cms}^{-1}$, then the molecule would make about 5.6×10^{12} collisions per second with the spherical cage.

WATER-VACUUM THEOREM

If a permanent vacuum is arranged in a cylindrical shaped body fixed with pistons with bores like a regular hexagon and connected to an axle at its center then water force mgh push the obstructed pistons inwards like spokes covered anemometer cups since nature abhors vacuum rotating axes connected to generator generate power like vertical axes wind mill without interruption as per needs. This is immersed and fixed in dam water.

- This is a reversible machine with more than 50 percent efficiency but not self locking machine.
- SOURCE, ATMOSPHERE, WATER POTENTIAL ENERGY MGH – MATTER RESERVOIR.
- SINK – VACUUM CHAMBER.
- MASS, Atmosphere water potential energy mgh minus WORK, vacuum, no mass, no energy. Air and water potential energy is high grade energy it can be completely converted to work.
- EXPERIMENTAL PROCESS

- WHIRLPOOL WHEEL resembles Whirl wind wheel but the source in Whirlpool wheel is water and atmosphere and sink is vacuum.
- Energy or mass transferred from chamber carries energy with it and pressure in side become less, the difference in pressure or force becomes available force.
- If construction is proper leakage can be controlled and difference in pressure can be maintained. The resultant force is the sum of couples brings it into rotation.
- Rotating axes connection to generator generate electricity as per the necessity. Size and water level increase can develop more power and no leakage make sit to continue its work long time.

ADVANTAGES

- Present hydro power and reversible turbines work depends on the availability of water but water flows away, stops the work long time till the dams fill the water with rains and it is costly.
- In Whirlpool wheel water wouldn't flow away but it has potential energy tries to fill the vacuum with boundary walls and bring it into rotation since Nature abhors vacuum and water can bend and move, it has holes or vacancy in it.
- This will become solution for UN DECADE OF SUSTAINABLE ENERGY FOR ALL.
- It fulfill our ancestors efforts for perpetual motion machines but it works only in necessities.
- It satisfy all working machines conditions along with the No ethers symmetrical laws and also fulfill invariance principle. All variables remain constant.
- PV is constant similarly pdv or vdp is also become constant since leakage is controlled.

- Gibbs free energy and Prigogine's principle of minimum entropy production support the construction of perpetual motion machines but this is high grade energy machine.

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TRANSPORTATION IN THE SKY WITH VACUUM

SOLUTION FOR UN DECADE OF SUSTAINABLE ENERGY FOR
ALL DEDICATED TO LORD VENKATESWARA, TIRUPATHI

DR. J HARIHARA REDDY, B.Sc, B.Ed, MA.

TRANSPORTATION IN THE SKY WITH VACUUM – THEOREM

Vacuum density is less than Helium density. Vacuum flies like Helium or Hydrogen balloons if proper material used that can resist atmospheric pressure and with low vacuum inside it then it flies like a balloon for transportation in the sky. This type of vacuum can be used in aero planes, Helicopters, and drowns. Balloon filling with Helium may be costlier than evacuation of air with hand or feeding work with pump for small sizes. This resembles air ships and works like ships on air, water and on land.

INTRODUCTION

Narrow roads with accidents became mishap in India. We need air transportation in the sky at least for short distances for low-income groups. New designs are developed like Davinci model which is almost a bicycle but wheel like fans above his head. Pedaling rotates fans and flies like Helicopter or drowns. Similarly, these designs are for low loads but with less pedaling work for evacuation of air in the vacuum chambers. Vacuum chamber pistons are fixed with concave shaped hemispheres with high drag coefficient in back and convex or conical shaped parts are fixed in front position.

REVIEW

We have kites' aero planes ships parachutes and airships. All the science in this motive parts are used to describe in this modern sky vehicle for transportation. Nature or Gibbs free energy is a most important part which arises due to formation of vacuum. Nature abhors vacuum and

it tries to fill the vacuum with nearby any material around it but it can apply Atmospheric force on the piston to push inside is source for this machine.

The principle of an aero plane is like that of a flying kite. Aero plane is heavier than air machine and is based on the principle of flying kite. It has many parts. Propeller blades, instead of propeller blades we use vacuum cylinder with concave and convex shapes, Tail consists of a rudder and elevator. Rudder is used in turning the plane but vacuum cylinders with concave shape can change the direction by changing its angles. The elevator forms the horizontal movable surface of the tail. When the elevator (vacuum cylinders) is raised upwards the CG of the plane shifts forward. The nose is down ward and the plane starts descending. When the elevator (vacuum cylinder) moved downwards, the nose is upwards and the plane ascends. The stabilizer fixed with tail (vacuum cylinders fixed vertically under the vehicle) helps the plane to move along a vertical plane.

DIRIGIBLES and AIR SHIPS. Dirigibles as do other air ships derive their lifting power from aerostatic forces rather than Aerodynamic forces such as those that support the aero plane. The lift of the airships one of the buoyancies and this is derived from the difference between the density of the atmosphere and that of the lifting gas contained by the air ship. Helium and Hydrogen have been used as lifting gases. In this modern machine we use vacuum.

ARCHIMEDES PRINCIPLE

A body is dipped into a fluid, the fluid exerts forces on the body. At any small portion of the surface of the body, the force by the fluid is perpendicular to the surface and is equal to the pressure at that point multiplied by the area. The resultant of all these contact forces is called the force of buoyancy or buoyancy or buoyant force. Archimedes principle states that when a body is dipped into a fluid at rest, the fluid

exerts an upward force of buoyancy equal to the weight of the displaced fluid. If the body is in equilibrium the buoyancy force is equal to its weight and it acts in the vertically upward direction. $B = mg$, the force of buoyancy on a dipped body is equal to the weight mg of the displaced fluid and acts along the vertically upward direction. This is Archimedes principle. FLOATATION, when a solid body is dipped into a fluid, the fluid exerts an upward force of buoyancy on the solid. If the force of the buoyancy equals the weight of the solid, the solid will remain in equilibrium. This is called floatation.

When the overall density of the solid is smaller than the density of the fluid, the solid floats with a part of it in the fluid. The fraction dipped is such that the weight of the displaced fluid equals the weight of the solid. Aerodynamics, the study of motion of air and the motion of solid bodies in air. Aerodynamics is particularly concerned with the motion and stability of aircraft. The branch of Aerodynamics concerned with the flow of air through compressors, ducts fans orifices etc is called internal Aerodynamics. Vacuum modernize aerodynamics and brings fluid Power fruit to the highly populated country like India with low land area. Aerodynamic drag is the force that opposes the motion of a body moving relative to air is a function of the density of air. the square of the relative velocity, the surface area of the body and a quantity called the drag coefficient, which is a function of Reynolds number. Aerodynamic lift is an upward force experienced by a body moving through air and is a function of the same variables as Aerodynamic drag. Aeronautics the branch of Aerodynamics concerned with the design construction and operation of aircrafts now in the modern is with vacuum and negative Gibbs free energy which causes a nature machine like cyclone or part of whirl wind in linear motion. WIND POWER, the use of winds in the earth's atmosphere to drive machinery especially to drive an electrical generator. Gibbs free energy is the base for working wind mills, but it isn't in ships and in aero planes, they are costly.

CENTRE OF GRAVITY

The center of gravity (CG) of a body is defined as the point through which the weight of the body acts irrespective of the position of the body. The CG of a body is fixed, provided the size and shape of the body do not change.

STATES OF EQUILIBRIUM

There are three states of equilibrium stable, unstable, and neutral equilibrium. Stable equilibrium A body is said to be in stable equilibrium if it comes back to its original position when it is slightly displaced. For example, a funnel standing on its base. The cg of the body is nearer to the base. When this body is displaced, its cg raised. Neutral equilibrium A body is said to be in neutral equilibrium if on being slightly displaced, it does not come back to its original position but occupies a new position like its original position. The CG of the body remains at the same height. Several toys are made with their base heavy. The lower portion of the toy is filled with clay or lead shots. When the toy is displaced the vertical line through the new position of the CG passes through the base. The equilibrium is stable and toy returns to its vertical position. The bottom of the ship is made heavy to keep the cg as low as possible. The cargo is always kept at the base of the ship and this also make the ship stable. A rope dancer holds an umbrella or a long pole to keep the vertical line through the cg just passing through the rope. He adjusts the position of the cg by balancing with the pole or umbrella either way. In hydrometers and lactometers, the lower bulb is filled lead shots to make it heavy. The cg is lowered considerably and the hydrometers remain vertical.

PRINCIPLES

Addition of two vectors at right angles to each other. If the two vectors are represented in magnitude and direction by the adjacent sides of a parallelogram drawn from a point, then their resultant is represented in

a magnitude and direction by the diagonal of the parallelogram passing through that point.

LIFT, DRAG COEFFICIENT

$$CL = 2 \text{ (Drag/A/pv}^2\text{)}$$

Drag or lift is the force component exerted on a body from a moving fluid in the direction of the free stream of the fluid far from the body. The drag on a body in a moving fluid is a difficult quantity to determine since it depends on such things as the location of the transition from laminar to turbulent flow in the boundary layer as well as the location of separation to name just two difficulties. We are therefore forced to use experimental data. For this purpose we usually express the drag $D = CD A \rho v^2/2$ where CD is the COEFFICIENT of drag., A is usually the projected area in the direction of free stream and v is the free stream velocity, CD is dimensionless quantity.

Perpetual motion 1 perpetual motion of the first kind. Motion in a mechanism, once started would continue indefinitely to perform useful work without being supplied with energy from an outside source. Such a device would contravene the first law of thermodynamics and is therefore not feasible. Many historical attempts, exercising great ingenuity, were constructed before the concept of energy and its conservation were understood. Some attempts have been made since the first law of thermodynamics became generally accepted by inventors seeking to establish loopholes in the laws of nature.2 perpetual motion of the second kind. Motion in which a mechanism extracts heat from a source and converts all of it into some other form energy. An example of such a mechanism would be a ship that utilized the internal energy of the oceans for propulsion. Such a device does not contravene the first law of thermodynamics but it does contravene the second law. In the case of the ship, the sea would have to be at a higher temperature than the ship to establish a useful flow of heat. This could not occur without an external energy source.3 perpetual motion of the third kind.

A form of motion that continues indefinitely but without doing any useful work. An example is the random molecular motion in a substance. This type postulates the complete elimination of friction. A mechanism consisting of frictionless bearings maintained in a vacuum could turn indefinitely. Once started, without contravening the first or second laws of Thermodynamics, provided it did no external work. Experience indicates that on a macroscopic scale such condition cannot be achieved. On the microscopic scale, however a superconducting ring of wire will apparently sustain a perpetual current (it involved electricity and magnetism) flow without the application of an external force. This could be considered a form of perpetual motion of the third kind, if the energy required to cool the wire to superconducting temperatures is ignored. PMM iii Kind Occasionally the name perpetual motion machine of the third kind is applied to devices that once set in motion continue in motion for an indefinitely long time without slowing down. A spinning top on a frictionless pivot or a spinning flywheel mounted in frictionless bearings is an example of this type of perpetual motion machine. (It is mechanics) It violates neither the first nor the second law of thermodynamics but requires the elimination of friction. It is to be noted that a perpetual motion machine of third kind produces no work and would therefore not be as valuable as one of the first or second kind. The perpetual motion machine of the third kind is stated as “In the absence of dissipation, a device could be kept in continual motion without violating either of the two laws of Thermodynamics because such a process doesn’t involve heat and work. Such a continual motion is known as perpetual motion machine of the third kind” This is still an impossibility.

ENERGY

A measure of a system’s ability to do work. Like work itself it is measured in joules. Available energy, the sources of energy can be divided into two groups, high grade energy and low – grade energy. High grade energies are Mechanical work, water power, wind power, tidal power etc. Low grade energies are Heat and heat derived from nuclear fission

and fusion, heat derived from combustion of fossil fuels. The bulk of the high-grade energy is in the form of mechanical work. Josiah Willard Gibbs is accredited with being the originator of the availability concept. He indicated that environment plays an important part in evaluating the available energy. Mass balance, By the conservation of mass, if there is no accumulation of mass within the control volume, the mass flow rate entering must equal the mass flow rate leaving. $W_1 = W_2$, this equation is known as the equation of continuity. ENERGY BALANCE, in a flow process, the work transfer may be of two types, the external work and the flow work. The external work refers to all the work transfer across the control surface other than due to normal fluid forces. Thermodynamics is based on two generalizations, called the first and the second law of thermodynamics. These are based on human experience. There is no formal proofs for these laws. All that one can say is that nothing contrary to these laws has been known to happen whenever we consider the behavior of matter in bulk. Scientists are of the view that nothing contrary to these laws will be ever known. Law of conservation of energy. First law of thermodynamics. The impossibility of perpetual motion machine, that is continuous production of mechanical work without supplying an equivalent amount of energy from another source, was widely accepted even at the beginning of the 18th century, and in 1847 H von Helmholtz showed that this view and the equivalence of work and heat were aspects of a wider generalization which has become known as the law of conservation of energy. This law has been enunciated in various forms, but its fundamental implication is that although energy may be converted from one form to another it cannot be created or destroyed. The total energy of a system and its surroundings must remain constant, although it may be changed from one form to another. It is a matter of experience, however that all natural or spontaneous processes processing occurring without external interference are irreversible, that is the basis of the second law of thermodynamics. The Kelvin statement of the second law states: It is impossible for a heat engine to produce net-work in complete cycle if it exchanges heat only with bodies at a

fixed temperature. Clausius' statement of the second law gives, it is impossible to construct a device which operating in a cycle will produce no effect other than the transfer of heat from a cooler to a hotter body. But according to Global risk report 2024 it is more dangerous with partial truths will cause severe damage to the world and leads to wars they are happening now. It is more dangerous if such half-truths exists in our curriculum. What we believe to be possible defines what we can create. Nassim Haramein. As we sow, so we reap. Is it necessary to consider the above impossible statements and prohibit innovations in patent offices?

Thermodynamic system and control volume, A Thermodynamic system is defined as a quantity of matter or a region in space upon which the attention is concentrated in the analysis of a problem. Everything external to the system is called the surroundings or the environment. The system is separated from the surroundings by the system boundary. The boundary may be either fixed or moving. A system and its surroundings together comprise a universe. The open system is one in which matter crosses the boundary of the system. There may be energy transfer also since mass is energy. For a Thermodynamic analysis of an open system such as an air compressor, attention is focussed on a certain volume in space surrounding the compressor, known as the control volume, bounded by a surface called the control surface. Matter as well as energy crosses the control volume. Extensive properties are related to mass volume energy etc.

THERMODYNAMIC SYSTEM AND CONTROL VOLUME

A Thermodynamic system is defined as a quantity of matter or a region in space upon which attention is concentrated in the analysis of a problem. Everything external to the system is called the surroundings or the environment. The system is separated from the surroundings by the system boundary. The boundary may be either moving or fixed. A system and its surroundings together comprise a universe. The open system is one in which matter crosses the boundary of the system.

There may be energy and work transfer too. Extensive properties are related to mass Ex, volume, energy etc. if mass is increased, the values of the extensive properties also increase.

MECHANICAL EQUILIBRIUM

In the absence of any unbalanced force within the system itself and between the system and the surroundings, the system is said to be in a state of mechanical equilibrium. If an unbalanced force exists either the system and the surroundings will undergo a change of state till mechanical equilibrium is attained. If the non-equilibrium of the state is due to an unbalanced force in the interior of a system or between the system and the surroundings, the pressure varies from one part of the system to another. This satisfies second law of thermodynamics and can get work from it.

WORK TRANSFER

Work is one of the basic modes of energy transfer. In mechanics the action of a force on a moving body is identified as work. A force is a means of transmitting an effect from one body to another. The work is done by a force it acts upon a body moving in the direction of the force. In Thermodynamics, the work transfer is considered as occurring between the system and the surroundings. Work is said to be done by a system if the sole effect on things external to the system can be reduced to the moving or raising a weight.

PdV or VdP work or displacement work. Pressure constant and volume change or volume constant and pressure change leads to work. Both heat and work transfer are the boundary phenomena. Both are observed at the boundaries of the system and both represent energy crossing the boundaries of the system. Both heat and work are path functions and inexact differentials. The magnitude of work transfer depends upon the path the system follows during the change of state.

ATMOSPHERE AS HIGH-GRADE ENERGY

Atmosphere is capable to do our works. Atmosphere is generating electricity with wind mills but it is on the mercy of nature. Wind mill work satisfies the second law of thermodynamics which states that in whatever form energy exists work can only be obtained if the energy is present in a state of greater intensity in one portion of the system and lesser intensity in other portion of the system. Wind blows from high pressure area to low pressure area. Wind mill front part has high intensity air and back part has low intensity air. But it easily comes to equilibrium and stops. Similar condition can develop artificially but not allowed come to equilibrium and it is in our control. Atmosphere is an inexhaustible source of energy. Its potential energy can be used or converted to kinetic energy for our works. Atmosphere molecules are always in motion but we must make the molecules direction in a required path. Nature abhors vacuum and Atmosphere try to fill the vacuum with nearby any material will help to keep the wind molecules in the required direction.

GIBBS FREE ENERGY

$$\Delta G = \Delta H - T \Delta S$$

$$\Delta G = -w + p\Delta V$$

$$- \Delta G = w - p \Delta V$$

The quantity $p\Delta V$ is the work done by the gas on expansion against the constant external pressure P . Therefore $-\Delta G$ gives the maximum work obtainable from a system other than that due to change of volume at constant temperature and pressure. The work other than that due to change of volume is called the net work. Thus

$$\text{Net work} = w - p\Delta V = -G.$$

Hence, $-\Delta G$ is a measure of the net work that can be obtained from a system at constant temperature and pressure. The quantity G is called

the Gibbs free energy or nearly free energy. Thus $-\Delta G$ is a measure of the decrease in free energy. The network that it can measures is electricity generation work, displacement work or motion.

VARIATION OF FREE ENERGY CHANGE WITH TEMPERATURE AND PRESSURE

$$dG = vdp - SdT \quad (1)$$

If temperature remains constant i.e. $= 0$ then equation 1 becomes $dG = Vdp$ or (dG/dp) at constant temperature $t = V$. Is for reversible processes having only expansion work is the pressure dependence of G .

VACUUM AS A SINK

A space in which there is a low pressure of gas, i.e. Relatively few atoms or molecules. A perfect vacuum would contain no atoms or molecules, but this is unobtainable as all materials that surrounds such a space have a finite vapor pressure. In a soft or low vacuum, the pressure is reduced to about 10^{-2} Pascal. whereas a hard or high vacuum has a pressure of $10^{-2} - 10^{-7}$ pascal. Below 10^{-7} Pascal is known as ultra-high vacuum. Vacuum pump, A pump used to reduce the gas pressure in a container. Hand pump for low vacuum. The normal laboratory oil seal pump can maintain a pressure of 10^{-1} pa. For pressures down to 10^{-7} Pascal a diffusion pump is required. ATMOSPHERE AS A SOURCE symbol ATM. A unit of pressure equal to 101325 Pascals. This is equal to 760 mm Hg. The actual atmospheric pressure fluctuates around this value. The unit is usually used for expressing pressures well in excess of standard atmospheric pressure. Atmospheric pressure decreases with increasing altitude. Earth's atmosphere, the gas surrounds the earth. The lowest level of atmosphere in which most of the weather occurs is called troposphere. Its thickness varies from about 7 km at the poles to 28 km at the equator and in this layer temperature falls increasing height.

If a system is involved in a process there will usually be an exchange of energy between it and its surroundings as well as a possible change in form of the stored energy. The first law of thermodynamics stipulates that during all processes all energies are to be accounted for.

MACHINE and SECOND LAW OF THERMODYNAMICS In whatever form energy exists work can only be obtained if the energy is present in a state of greater intensity in one part of the machine and lesser intensity in other part of the machine. The difference in intensity in two parts of the machine becomes available energy. Air Intensity difference in front and back of the wind mill leads to wind flow to come to equilibrium makes wind mill to generate power. Due to sun heat it becomes nature work or free work. If equilibrium reached it stops. Nature work can be described with Gibbs free energy. A measure of system's ability to do work. Gibbs free energy G is defined by $G = H - TS$, where G is the energy liberated or absorbed in a reversible process at constant pressure and constant temperature. H is enthalpy and S is the entropy of the system. Changes in Gibbs free energy, ΔG , are useful in indicating the conditions under which a reaction will occur. If ΔG is positive the reaction will only occur if energy is supplied to a force, it away from the equilibrium position. (i.e when $\Delta G = 0$) If ΔG is negative the reaction will proceed spontaneously to equilibrium. But according to equivalence principle if variables are remained constant it becomes independent of time. We can get work long time at free of cost since source is inexhaustible atmosphere. Volume and pressure inside the cylinder can be kept constant if leakage is not allowed.

DESIGNS, a plan, specification or drawing produced to show the work and foundations or working of a machine. Design is a system for tracking energy or inventory with shape space and texture. Catalyst, someone, or something that causes something to happen or change.

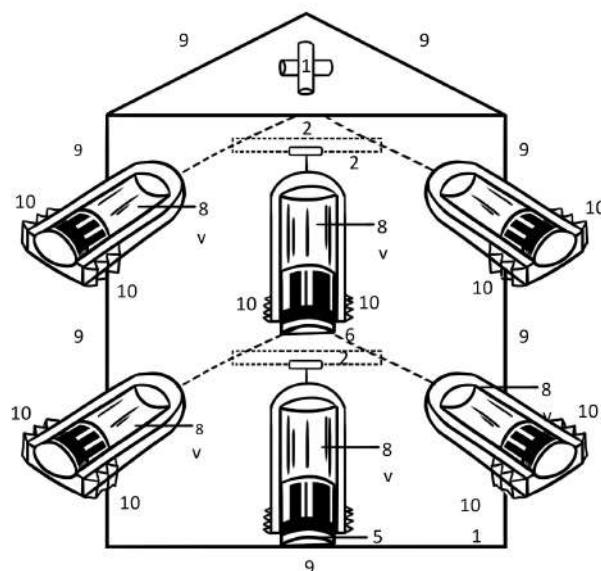


FIGURE CAPTIONS: 1) XZ plane or upper surface 2) Joints connecting and under parts 3) X Z Horizontal Vacuum cylinders parallel to ground and can change angle 45° to Y cylinders and ground to get maximum horizontal range.4) Y vertical vacuum cylinders perpendicular to ground and XZ plane. 5) Pistons with concave shapes 6) Diaphragm valves 7) Convex shapes 8) Vacuum – Sink, 9) Atmosphere – Source 10) Bellows 11) + Shaped vacuum with pistons to be fixed at back or front like X Y axes.

Parallelogram of vectors, the two vector quantities are represented by two adjacent sides of a parallelogram and the resultant is then the diagonal through their point of intersection. u and v are two vectors are sides of a parallelogram and the angle between them is theta and the resultant $R = u^2 + v^2 + 2 uv \cos \theta$, make an angle Beta with the direction of the velocity u , then $\beta = \tan^{-1} (v \sin \theta / u + v \cos \theta)$.

EXPERIMENTAL PROCEDURE

Nature abhors vacuum and vacuum acts as a catalyst. Wherever there is vacuum nature tries to fill the vacuum with nearby material but mostly air leads to generate electricity with wind mills. we can use vacuum

for transportation in the sky with the help of vacuum cylinders with concave shaped hemispheres at the end of pistons. Airships (Helium and Hydrogen balloons) floats in the sky with the differences in densities in and outside of the balloon. Vacuum density is less than Atmosphere density. Vacuum can fly in the sky. Atmosphere and Vacuum are source and sink or doublet, they are at side by side. Each effect one on other till to reach the equilibrium. But proper construction does not allow leakage, once they are Evacuated, they can work long time so it becomes cheap. Vacuum cylinders are fixed at a point and satisfy parallelogram law of vectors are fixed to the axes with bearing to move freely with the support of X Z plane that is parallel to the ground. Similarly Y cylinders which are perpendicular to the ground and XZ plane are also freely move up and down. Angle between them

can be changed. X and Z Horizontal cylinders for thrust and XZ plane and Y cylinders (in the figure Y cylinders appears in middle but they are perpendicular to the plane of paper. Lift cylinders angle can be changed easily with bearings. Atmospheric pressure can bring to our use horizontally and vertically. Resultant force leads fly up+ Shaped vacuum space fixed with four pistons with concave shaped hemispheres at outside are closed with cups or diaphragm valves are in EQUILIBRIUM. To generate difference in force cups or valves can be opened. We know air friction is less than water friction is less than ground friction. Small force is sufficient to change the right or left and up or down directions. + Shaped Pistons are vertically fixed in system at back or front position. X Z vacuum cylinders angle can change to 45° with y axes and ground to get maximum horizontal range like projectiles. X Z plain surface above the vacuum cylinders can be used for seating or material load.

Atmospheric force (due vacuum and shape) minus weight is greater than zero, it is in unstable equilibrium and comes into motion on the land, on the surface of water and in water and sky.

Under this machine legs and wheels are to be fixed as in Helicopters.

ADVANTAGES & CONCLUSION

In India we have Vishwakarma created Pushpak vimana in our ancient culture and Bharadwaj vimana with description, now this device and design is evidence-based science, we are using them without any doubt. Mechanics, parallelogram law, the angle inclination is 45° in projectiles for maximum horizontal range is major in this innovation, Fluid mechanics drag and lift coefficients experimental data and equations for approximation, Thermodynamics Gibbs free energy, vacuum technology for equilibrium time without leakage, Atmospheric science with vacuum may become free force field with Atmosphere. This will become indigenous machine, easily be constructed and bring to the public since it's source Atmosphere is free inexhaustible, available at all places all times, This can decrease carbon emissions and fuel imports and relieve financial burden. This can further improve on practice to reach its velocities like cyclone velocities.

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WATER TRANSPORTATION IN THE SKY TO CONTROL DROUGHTS THEOREM

If we can establish this situation large area sea breezes, small area sea surface water evaporation with artificial heating transfer vapors with sea breezes in low heights due to earth friction, aerosols like sodium chloride or nitric oxides spraying in the way and cooling with steel mirrors for reflection of sun rays leads to condensation and precipitation gives artificial rains then droughts can be controlled.

INTRODUCTION

Air, water, and food are the basis for life. Any scarcity in these means no peace to living beings. If we want to survive, we must protect our environment. We have better life in better environment. Degradation and scarcity in these leads to ill-health, day by day man uncontrollable acts on environment increases Global warming and seasonal changes. Excess rainfall leads to floods, less rainfall leads to droughts. These are bad to all. Scientists are trying to overcome from this worst situation. They are trying for artificial rains with Varuna yoga's and cloud seeding and to control cyclone effects since many centuries. But they are partially success. Nansen Environmental Research India and Pune based Indian institute of Tropical Meteorology IITM. IITM concludes that going by this natural cyclicity of ocean – atmospheric system. the three decades from 2020 to 2049 are likely to have frequent disastrous droughts in the Indian summer monsoon and a large percentage of the severe cyclones of the Bay of Bengal are likely to have northward track adversely affecting the coastal region of the north Bay of Bengal. In such conditions to get peace we should have the best methods for artificial rains at required time at required place. We present this transportation of water in the sky as cyclone (in air ways) to control droughts by increasing the temperature on the surface of ocean at a required place to get water vapor combine them with sea breezes leads to cyclone and rains with water, thus water scarcity can be controlled at possible places.

THEORY

WIND SYSTEMS IN THE ATMOSPHERE

Winds are an important illustration of the phenomenon of convection current in nature. Some parts of the earth are heated by the sun in the day time. The air above these places expands and rises. Its place is taken up by heavier air from cold places. Thus, convection currents are set up in the atmosphere which constitute the winds Example Trade winds.

TRADE WINDS

The surface of the earth near the equator is heated by the sun. The air in contact with the surface of the earth becomes warmer and rises upwards. The air from colder polar region rushes in towards the equatorial regions, thus producing northward wind in northern hemisphere and southward wind in southern hemisphere. Due to the rotation of the earth about its axis from West to east, the actual direction of the wind in northern hemisphere is northeast and in southern hemisphere, southwest. These winds are called trade winds. In ancient times, the traders used these winds to find the direction of motion of their sailing vessels.

EVAPORATION

The change of state of a liquid into a vapor at a temperature below the boiling point of the liquid. Evaporation occurs at a surface of a liquid, some of those molecules with the highest kinetic energies escaping into the gas phase. The result is a fall in the average kinetic energy of the molecules of the liquid and consequently a fall in its temperature.

VAPOUR PRESSURE The pressure at the water air boundary resulting from molecular motion in the direction of escape from the liquid is called the vapor pressure of water. This pressure varies only with temperature of the water and determines the rate at which water molecules escape to the air and become vapor molecules. The water vapor molecules which escape to the air displace air molecules and

contribute their proportionate share to the total atmospheric pressure. This portion is called the partial pressure due to water vapor or the vapor pressure.

HUMIDITY

The concentration of water vapor in the atmosphere. The absolute humidity is the mass of water vapor per unit volume of air, expressed in Kg per m³. The relative humidity being dependent on the air's water vapor content as well as on its capacity. It must change whenever the amount of water vapor in air changes or whenever the capacity of air changes. With the any addition of moisture by evaporation, the relative humidity will increase. Since vapor pressure is directly proportional to the amount of water vapor present in air, relative humidity may be defined as the ratio of the observed vapor pressure to that required for saturation at the same temperature. Relative humidity expression is $f = e/es$. Where f stands for relative humidity, e for vapor pressure, and es for saturation vapor pressure.

FACTORS AFFECTING RATE OF EVOPARATION

- 1) Amount of water available
- 2) Temperature
- 3) Relative humidity
- 4) Wind speed
- 5) Area of evaporating surface
- 6) Air pressure
- 7) Composition of water.

POTENTIAL EVAPOTRANSPIRATION

The term potential evapotranspiration refers to idealized condition in which there would be enough rainfall to provide sufficient moisture for all possible evapotranspiration in an area. In order to determine the potential evapotranspiration for any place or area.

DISTRIBUTION OF EVOPARATION since temperature is the primary control of evaporation. Evaporation power naturally decrease from the equator towards the poles given an unlimited supply of water. However actual evaporation is different from potential evaporation. Besides

temperature wind speed and relative humidity, it also depends on the available water to be evaporated.

CONDENSATION

The change of a vapor or gas into a liquid. The change of phase is accompanied by the evolution of heat. latent heat: The quantity of heat absorbed or released when a substance changes its physical phase at constant temperature (e.g. From solid to liquid at the melting point or from liquid to gas at boiling point. The latent heat of vaporization is the energy a substance absorbs from its surroundings to overcome the attractive forces between its molecules as it changes from a liquid to a gas and to do work against the external atmosphere as it expands.

NECESSARY CONDITIONS FOR CONDENSATION

Condensation takes place when water vapor is converted into liquid form. First for condensation to occur, saturation of air is essential. Saturation can be brought about either by reducing the air temperature or by adding water vapor to the air. Secondly water vapor needs some kind of surface on which it may condense.

The most needed surfaces for condensation of water vapor are provided by dust nuclei or aerosols. Since these tiny particles have affinity for water they are termed hygroscopic condensation is said to be continuous process some of the more powerful hygroscopic nuclei began to attract water vapor around them at relative humidifies as low as 75%. Hygroscopic nuclei example, Sodium chloride and Nitric oxides etc

PRECIPITATION Any of the particles of water that fall from the atmosphere and reach the ground. rain and snow, rain is an example of liquid precipitation. All precipitation occurs from clouds due to adiabatic cooling. precipitation is deposition of atmospheric moisture and is the most important phase of the hydrological cycle. The first step in precipitation is condensation. It may be noted that the only

process capable of bringing about cloudy condensation and the resultant precipitation from expensive air mass is the adiabatic cooling. Droplets produced by the condensation process are indeed very small size. Rain drops on the other hand, have diameters ranging from about 200 to 7000 microns. The occurrence of precipitation forms such clouds involves the coalescence of cloud droplets of different sizes. Clouds made up exclusively of liquid droplets can generate precipitation only when they contain droplets larger than 20 micrometers. For the formation of these large droplets giant condensation nuclei are required. These nuclei are provided by such hygroscopic materials as sea salt. Rain: It is precipitation of liquid water particles, either in the form of drops of more than 0.5 mm diameter or in the form of smaller widely scattered drops. Thus, rain is precipitation of water in liquid state. Whenever the raindrops fall from high altitude clouds some of them evaporate while passing through a layer of dry air. On the contrary when precipitation price is very active, the lower air is moist and the clouds are very deep, rain fall is in the form of heavy downpours.

CONVECTION

Fluids (liquids and gases) are heated mainly by a process called convection in which buoyancy and gravity play an important role. In convection heat is transferred by the physical movement of matter. This is an example for natural convection. Forced convection where hot fluid or vapors are transferred from one region to another by a pump, fan or sea and land breezes. The atmosphere is a gaseous medium, convection is the most significant mechanism of heat transfer. Transfer of heat by convection takes place in two forms. 1 sensible heat content of air which is transferred directly by the rising and mixing of heated air 2 latent heat which is indirect form of energy transfer by convection. When condensation in the free atmosphere takes place, the latent heat of evaporation is released and made available to the air. This is known as latent heat of condensation. Whereas the term convection is used to describe the vertical motions in atmosphere, the term advection is

reserved for horizontal convection transport of heat. It is worthwhile to remember that the horizontal convection is on much larger scale. In fact, advection is responsible for slow heat transfer from the equatorial to the polar regions. The rising air currents are replaced by cooler and denser air from above. Thus, a convectional circulation is setup with a horizontal as well as vertical motions. Advection as a process of heat transfer is relatively more important. The scorching winds blowing during the summer in northern plains of India, which are known as loo, are an example of advection. Similarly in the temperature regions during the colder months the advection of warm tropical air makes the weather pleasant. It is undoubtedly true that a large section of the atmosphere receives heat by vertical as well as horizontal convection. Convective transport energy is confined only up to the tropopause. Tropopause is the upper limit of all convective activities in the atmosphere.

SEA AND LAND BREEZES

At places near the sea especially in summer time, one notices a breeze that generally blows from the sea towards the land during the day, while at night the direction of the breeze is from land towards the sea. These sea and land breezes are the local convection currents. Water has a high specific heat. Therefore, it is less readily heated by the sun than land. In other words, during day the land is heated by the sun to higher temperature than water in the sea. Air over land is therefore heated, expands, and rises while the cooler air from sea blows towards land to take its place which constitutes the sea breeze. At night a current of air blows from the colder land to warmer sea. This constitutes the land breeze. The rate of heat transfer by convection depends on the temperature difference between the surfaces and on their areas.

RICHARDSON NUMBER

It is the dimensionless number that expresses the ratio of potential to kinetic energy $R_i = gh/u^2$ where g is the acceleration due to gravity, h a representative vertical length scale and u a representative speed.

THERMAL CONVECTION In thermal convection problems, Richardson number represents the importance of natural convection relative to the forced convection. The Richardson number in this context is defined as

$$Ri = gB (T_{\text{hot}} - T_{\text{ref}}) L / V^2$$

where g is the gravitational acceleration, a or B is thermal expansion coefficient, T_{hot} is the wall temperature, T_{ref} is the reference temperature, L is the characteristic length and v is the characteristic velocity. The Richardson number can also be expressed by using a combination of the Grashof number and Reynolds number. $Ri = gr/Re^2$.

Typically, the natural convection is negligible when $Ri < 0.1$, forced convection is negligible when $Ri > 10$ and neither is negligible when $0.1 < Ri < 10$. It may be noted that usually the forced convection is large relative to natural convection except in the case of extremely low forced flow velocities. (Ravi Malhotra).

CYCLONE IN LAB

Cyclones are a form violent storms on earth. people call these storms by names such as typhoons, hurricanes etc. A glass containing water and two straws keep one straw vertically in glass and another in horizontal direction that is in contact in vertical straw. Blow through the horizontal straw. When we blow over the straw the water comes out due to low pressure which forms inside the vertical straw. so the water in the glass reaches up in the straw due to high pressure. We see increased wind speed is accompanied by a reduced pressure. Raised water pushed out horizontally. like cyclone. Tropical cyclones are like giant engines that use warm moist air as fuel. The warm moist air rises upward from near the surface. The warm air rises causing an area of lower air pressure below. Air from surrounding areas of high pressure pushes into the low-pressure area. Then this new air becomes warm and rises. As the warm air continues to rise, the surrounding air swirls in to take its place and the water from the sea surface also

comes up with the air as we seen in the straw. As the warmed moist air rises and cools off the water in the air forms clouds. Factors like wind speed, direction, temperature, and humidity contribute to the development of cyclones. In India cyclones usually occur in the month of May-June and October – November. More cyclones tend to occur on the eastern side i.e. towards the Bay of Bengal. Whatever process or processes are at work, a continual supply of moisture to the atmosphere over a particular location is the most important condition for ensuring a prolonged precipitation or for cyclones.

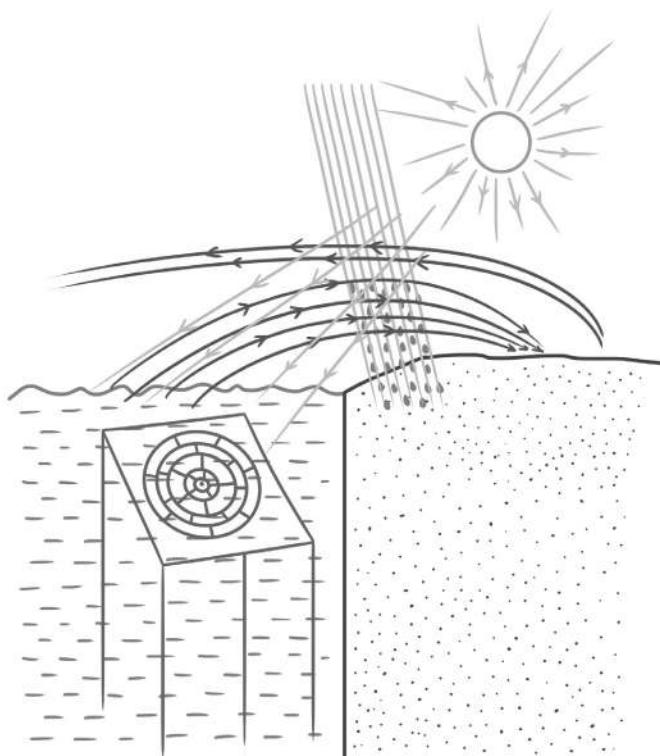


FIGURE AND CAPTIONS: 1) Sun 2) Sea 3) Land 4) Artificial heaters and water evaporation 5) Mirrors reflecting sun rays rotate like sun flower along sun for cooling area. 6) Aerosols like Nitric oxides, Sodium chloride, 7) Sea breezes, 8) Land breezes 9) Precipitation and rain 10) Water cycle.

EXPERIMENTAL PROCESS AT A TIME

Water scarcity and droughts are not today's problems, Bhageerath efforts, varunayags at temples and aerosols spraying with aero planes cloud seeding are performing now and then here and there, but they are not connected with water, so possibility is less. If we select right places for these activities and do at a time increase artificial rains. India has large coastal areas and sun temperature causes sea and land breezes. We must find locations where large sea breezes occur or wind mill areas nearby coastal areas are suitable to perform these activities. Artificial heating with electricity, gas or mobile nuclear reactors on seashore can evaporate sea water and combine with sea breezes can transport water vapors long distances at low heights due earth friction. Sun rays rotating and reflecting mirrors cool the area and spread aerosols help to precipitate condensed water vapors in sea breezes and gravity attract water to that place. All these are very well known to all, this is evidence-based science, only change is varunayagas place temple to sea surface. We capable to convert salt lands to agricultural lands with simple techniques similarly desserts nearby water places can convert as useful lands.

ADVANTAGES/CONCLUSION

Water is life. Ocean occupies large area but less land area and water. Water on land depends on the mercy of nature activities but human activities with high carbon emissions-controlled water cycle. We are trying for artificial rains but with this modified process we may success in water transportation in the sky like aero planes through sea breezes.

Government alone has power to use oceans and to evaporate water hence governments have to consider these facts and perform these activities for artificial rains to survive in the coming decades. Water on the land increase greenery along with fresh air, fruits, food for all strengthen our environment and regulate seasons.

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Chapter 5

Education and Rights

1. Necessity for Science diplomacy
2. Science technology and innovation policy experts, (public) consultation.

Man is born to conquer nature and not to follow it

– Vivekananda

The secret of freedom lies in educating people where as
the secret of tyranny is keeping them ignorant
(Forced to learn impossibles)

– Maximillien Rabespierre

Awake, arise and stop not till the goal reached

– Vivekananda

Sub; National essay writing competition [champion ship]

NECESSITY FOR SCIENCE DIPLOMACY

INDIA, ANDHRA PRADESH, GROUP – II, age 63, OTHERS

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INTRODUCTION

Science research have moved away from small laboratories and individual research such as MAOAM CURIE who worked alone in a garage sized lab processing one ton of pitchblende and extracting radium. Science and technology has a disruptive effect it can change the balance of power among states as well as increasing inequality within the states. Persons who can take advantage of science will prosper while those who can't will be left behind. In the pursuit of economic and power countries try to control science and technology knowledge and prevent it from going to rivals. Various technology control regimes have come into being and there is a system of intellectual property rights which also controls access to technology and enables profits to be made from access to technology. There are cases of technology denial to certain countries and India itself has been a victim of denial of nuclear technology. In response, countries which are denied access to technology will seek to develop it independently or acquire it by open or covert means. Science diplomacy is characterised by change. One popular way of looking at science diplomacy is to regard it as composed of three components – Science in diplomacy, diplomacy for science and science for – diplomacy. Science in diplomacy means the scientific inputs going into diplomacy and foreign policy making. Diplomacy for science means making use of diplomacy to gain benefits in science and technology collaboration to bring countries which have differences together. Another way of looking at science diplomacy is based on intentions – advocacy, promotion, and influence. Another

approach is based on geographical scope-domestic, trans border and global. A good working definition for our purpose would be the integration of science and technology into the diplomatic and foreign policy frame work. This concept recognises that science and technology are becoming increasingly important in international relations and also in determining global competitiveness, where the role of knowledge based industries is becoming increasingly critical. The challenge is that policy makers must understand the basic science underlying global challenges and the scientific community must be able to explain in plain and simple terms the scientific issues involved. There fore the close coordination between the scientific community and policy makers is extremely important. Developing countries in particular face severe challenges in this respect and often their delegations are not well prepared at international conferences. This results in the advanced countries taking the initiative while developing countries are sometimes not prepared to defend their interests. Science research is increasingly becoming more expensive and beyond the means of individual countries even the large economies like U.S international scientific collaborations is growing and more and more projects are coming up in this sector. India has participated in projects such as CERN, ITER. Thirty metre telescope, square kilometre array and Ligo. We missed the opportunity to participate in the human genome project and the international space station. Now that India has given manned space exploration some priority it is possible that we may participate in large scale international projects involving manned space flight. Large scale international projects and activities in science and technology required detailed negotiations to reach agreement and implement them. Diplomats and scientists need to work closely together in this process. Significant benefits can accrue through participation in such projects. For example India's participation in CERN is on a win-win basis where India supplies components and equipment's, the value of which then finances Indian researchers who work at CERN. As we go deeper and deeper into the frontiers of science, the cost of doing

research and setting up facilities become5 higher and higher. It may be beyond the ability of single country to finance this research. For example the US which had embarked on a large particle accelerator project in Texas had to abandon it because of the high cost after which CERN became the leading laboratory in this field.

Another important area of diplomacy for science is the focus on development partirnlarly sustainable development. Sclence and technology for development is critical!. Development has to be seen in Its widest context. The international community has agreed in 2015 upon a set of 17 sustainable go also which all, countries have under taken to achieve by 2030. To support this effort the UN and member states have established a technology facilitation mechanism. This mecharnism is intended to enable developing countries to access the technology which is required to achieve SDGs. Given that the SDGs cover subjects which cut across several ministries and also the states of the union in India. Niti Aayog has been designated as the nodal coordinating agency for implementing the SDGs. For developing countries it is very important to share the technology which they have used or developed for achieving the SDGs So south cooperation in, this area Is very important. Developing countries have come up with innovations which are very cost effective and relevant to their needs for example a bicycle ambulance has been developed' for rural areas to transport patients across rural roads. Such frugal innovation needs to be promoted and supported. Science and technology solutions. developed in India for tackling development challenges can be very useful for other developing countries because the conditions in many developing countries are similar to that found in India. In fact the development challenges which can be found anywhere are also present in India So India has a huge repository of e) (perience in tackling development challenges and in using sdence and technology which could be very useful for other developing countries. Therefore the government of India has an Indian technical and economic cooperation programme through which India provides capacity buifding assistance and training

for personal from other developing countries. Indian missions abroad play a vital role in this programme. Science and technology does not function in isolation; it is part of the larger ecosystem of the country. Human resources or brain power is the most important element of this ecosystem. In the area of climate change and energy, India occupies a major position. A solution to global climate change requires the support of large countries such as India and China. India has committed to reducing carbon intensity of its GDP and has also launched a major initiative. But China and USA are not supporting.

The role of science diplomacy in international crisis; India as a case study

Nations which take advantage of science and technology will prosper while those which do not will be left behind. In the pursuit of economic and power, countries try to control science and technology knowledge and prevent it from going to rivals. Various technology control regimes have come into being and there is a system of intellectual property rights which also control access to technology and enables profits to be made from access to technology. There are cases of technology denial to certain countries and India itself has been a victim of nuclear technology.

LEVERAGING SCIENCE AND TECHNOLOGY FOR SELF RELIANT INDIA AND GLOBAL WELFARE

The scientific symbolism of the statue of Shiva Nataraja at CERN represents Indian ancient knowledge superiority. Lord Shiva's form of Nataraja symbolizes the cosmic dance of creation and destruction. More interestingly, CERN which is located at Geneva lies on the French/Swiss border and is the European organization for Nuclear Research whose primary function is the oversight of the Large Hadron Collider. It is one of the biggest and greatest scientific research centres in the world and interestingly it has a statue of Shiva Nataraja and it represents CERN's multiculturalism with scientists from across

the globe. The metaphor of the cosmic dance thus unifies ancient mythology, religious art and modern physics.

Prioritize the protection of cultural heritage during conflict.

INDIAN TRADITIONAL KNOWLEDGE SYSTEM [PERPETUUM MOBILE CONCEPTS]

The idea of perpetual motion originated in the orient². The first description of a perpetual motion machine was found to be made by Indian Mathematician Brahmagupta in 624. He describes a perpetual motion device: Make a wheel of light timber, with uniformly hollow spokes at equal intervals. Fill each spoke up to half with mercury and seal its opening situated in the rim. Set up the wheel so that its axle rests horizontally on two supports [upright]. Then the mercury runs upwards in some hollow spaces and downwards in some others, as a result of which the wheel rotates automatically forever. LALLA described similar machine. Around 1150 BHASKARA described in his *sidantha siromani* a wheel with containers of mercury around its circumference. This machine rotates with great power because the mercury at one side of the axle is denser than at the other. Apparently he thought this would cause continual unbalance to sustain rotation. Even today inventors propose variants of over balanced wheel often in complicated designs containing wheels with eccentric levers and masses attached to them. These machines are now called INDO PERSIAN machines but world patent offices reject patent applications due to laws of thermodynamics which have no formal proofs. This suppresses further development of ancient Indian traditional knowledge, BUT WIND MILLS ARE PART OF PERPETUAL MOTION MACHINES AND WORLD

REQUIRES IMPROVEMENTS IN WIND POWER

Prohibition rules not allow to innovate which causes world energy crises.

TO BE SELF RELIANT INDIA SHOULD RELAX THESE RULES AND HAVE ITS OWN INDIAN SCIENCE DIPLOMACY THOUGH WORLD

BECAME GLOBAL VILLAGE. India should TRY TO DEVELOP THIS INOIA. IN PRESENT INNOVATIONS. TRANSPORTATION, ENVIRONMENT AND FREE ENERGY INNOVATIONS FOR BRIGHT CHANGES. Mass addition or deletion strengthen or weaken the body Nature or body dominate one on another and leads to unstable. Thermodynamics impossible laws have no formal proofs so they can be ignored. This Theorems are 5 Solutions to UN ROAD SAFETY DECADE and UN DECADE OF SUSTAINABLE ENERGY FOR ALL. Theorem; 1 AUTOMATIC BRAKES WITH ACCIDENTAL FORCES – ROBOT can control road mishaps. 100 metres so metres put on TV like remote control with antenna fixed in front of all vehicles to perform their works, when they reached in that zones, they give alarm and apply brakes to stop vehicles that prevents accidents and bad effects. If they fail, just before collision mechanical devices transfer accidental forces to brakes, stop vehicles, inertia forces compress shock absorbs which control bad effects. 4. 2 ROTORS IN SILENCERS. Noise rotates rotors in silencer and suppress noise pollution, decrease the speed of gas and control direct attack of gases on eyes, and gas may be less in quantity than the oil tank can be captured in a tank to convert as water g1, 1s, or fuel gas. Pollution and its effects decrease. 3 SATELLITE ON THE SURFACE OF THE EARTH FOR POWER GENERATION AND TRANSPORTATION; A rigid light weight hollow right angle isosceles triangle shaped body [sink.] with wheels at its base and heavy weight [source] on the hypotenuse become a reversible machine with more than 50 $\frac{1}{4}$ efficiency, large weights difference in source minus sink works horizontally and push unstable freely rotatable wheels make it to move like a satellite on the surface of the earth, 4 WHIRL WIND WHEEL – WHEEL REVOLUTION WITH AIR REACTOR. This works like an artificial Typhoon. Whirl wind conditions are in this machine. If a permanent vacuum is created area] is arranged in cylindric all shaped body fixed with six pistons with bores to its sides like a regular hexagon and connected to an axle at its centre then atmosphere push the obstructed pistons inward and keep the cylinder in rotation as long as there is pressure difference In and outside since nature abhors

a vacuum with negative Gibbs free energy6. This generate power like vertical axes windmill. It satisfy laws of thermodynamics. We can see BHASKARA 11 machine culture in world like Indo Arabic numbers.

CONCLUSION

Science +technology= innovation+ patent policy= innovation, If patents are prohibited tends to 1'.-O inventions, means no science and technology. Laws of thermodynamics force us not to think and innovate perpetual motion machines or force us to use present fuels with high carbon emissions and we can't prevent global warming.we need patent policy change for perpetual motion machines and all vehicles should posses and have tools to work like AUTO MATIC BRAKES WITH ACCIDENTAL FORCES, ROBOT WITH REMOTE CONTROLS SUCH AS 01. FFERENT POWER, DISTANCE RANGE EMITTERS AND RECEIVERS to be fixed in front of all vehicles and they should always be in on condition or ready to work by distance, can modernize our science technology and India/world.

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SCIENCE TECHNOLOGY AND INNOVATION POLICY FOR PUBLIC [EXPERTS] CONSULTATION

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**SUB; DRAFT 5 STIP Suggestions inputs and comments submission
regarding.**

INTRODUCTION

IMAGINATION AND CREATIVITY IS INNOVATION, IF POLICY SUPPORTS IT, IT WILL BECOME INVENTION AND PRODUCTION, OTHERWISE IT IS FORCED TO DIE BY POLICY. EXAMPLES. 1. SOLUTION FOR UN DECADE OF SUSTAINABLE ENERGY FOR ALL 2 SOLUTION FOR UN SUSTAINABLE DEVELOPMENT GOAL 7 AND 3. UN SUSTAINABLE DEVELOPMENT GOAL 13. PROLONGER EDUCATION MERGE IN MINDS AND BECOME CULTURE like world prohibited perpetual motion machines. How we are is our culture [Education], what we use[Tools] is our civilization, civilization changes in short duration like 2G, 3G.4G etc., But culture [education or truths] remain for centuries and can replace heat engines by nature machines with gravity and wind or perpetual motion machines. We can't create or destroy energy but we can make use of nature high grade energy such as gravity and atmospheric pressure with these discoveries, structures or catalysts. which can keep resultant natural forces are not equal to zero and keep the structures on motion for our works like perpetual motion

machine. Let us have clean India by decreasing carbon emissions with these innovations. These innovations can indigenously be made into inventions.

Indian patent rules chapter ii 3. a. Inventions not patentable: An invention which is frivolous or which claims anything obviously contrary to well established natural laws. The phenomenological laws of Thermodynamics have their expressions based on the experimental observations. They are the fundamental laws of nature. The zeroth 'equilibrium existentialism'. The first [conservational transformationalism]. The second [irreversible directional transformationalism] and the third *attainability of emptiness. They are defining and unifying our comprehension of all existence and transformation in the universe. The force due to non equilibrium of mass energy in space [non uniform concentration] causing the mass energy displacement, thus defining the process direction are manifested by tendency of mass energy transfer in time towards common equilibrium. It should not be confused with local creation of non equilibrium and or organized structures on expense of overall non equilibrium [but our ancestors and present designs are small and local]. By spontaneous and irreversible conversion [dissipation] of other energy forms into thermal energy always and every where accompanied with entropy generation [randomized equipartition of energy per absolute temperature level 1]. The fundamental laws of nature are considered to be axiomatic and many believe they could not be explained proven or questioned. However everything may and should be questioned, reasoned, explained and possibly proven. The miracles are until they are-comprehend and explain them?. The central message of learning is that students should not foreclose their imaginative options while learning science. Constant questioning, according to Socrates, is the real attribute of rational minds. If we are to become vital force in the development of culture in the twenty first century, then we must embody in our teachers [LALLA, BRAMHAGUPTHA, BHARADYAJA,

BHASKRARACHARYAJ and in our schools an understanding of science as a force which has been shaping the minds and the destiny of man for past millennium. Science is a force as real as and as present as the force of gravity. It draws together the minds of men and evokes the challenge to understand nature. If we are to appreciate, to understand and to control this force, then we should look at it as the complex phenomenon that it is. It is the purpose of this paragraph to provide an analysis of science and link it to HOW TO THINK SCIENTIFICALLY? Some have suggested that it will be through science that we will discover ultimate truth while others propose it will lead only to a better approximations of truth. Still others consider science to be more illusion which draws us away from our inherent thirst for the sublime. Possibly it is in the very nature of science that a final verdict has not been reached;Perhaps scientific knowledge is only provisional at best. Science has provided us with models or paradigms that have proven to be useful in challenging, man to revise our understandings of the physical world in which we live. Even if science does not provide a road map to ultimate truth, it has become deeply woven into the richness of our cultures. Unlike other elements of our cultures which give us a foundation for looking ahead, [Ancestors perpetual motion machines designs] science tends to destroy its own past through new evidence and validation of our understandings of the permanent of the physical world It flourishes on misunderstandings, nay, it is more romantic than usual when it faces a crisis or chaos.

Man mastered nature gradually and was feared by those who did not possess such mastery. He snatched curious knowledge from nature. speculated on it and put it further tests and applications In this game he began to acquire what seemed to be magical powers. Even in this encounter he did not hesitate to develop positive attitudes towards life and began to reflect over the glory of the distinct galaxies in the heavens. A person interested in this exciting enterprises became more important than his own physical environment. Science is not technology, it is not gadgetry, it is not a mysterious cult, it is not a great

mechanical monster. Science is an adventure of the human spirit. It is essentially an artistic enterprise, stimulated by disciplined imagination and based largely on faith in the reasonableness, order and beauty of the universe of which man is part. WARREN WEAVERS.

ALL NATURAL PROCESSES ARE SPONTANEOUS AND THERMODYNAMICALLY IRREVERSIBLE

Every actual spontaneous process is irreversible. M. Planck suggested the following statement. IT IS IMPOSSIBLE TO CONSTRUCT AN ENGINE, WHICH WHEN WORKING IN A COMPLETE CYCLE WILL PRODUCE NO EFFECT OTHER THAN RAISING OF A WEIGHT AND THE COOLING OF A HEAT SOURCE It should be noted that the existence of a perpetual motion of second kind does not violate the first law of thermodynamics in fact in this engine work would not be created from nothing but at the expense of the internal energy of a heat source. If there were no restrictions imposed by the second law this would mean that is possible to construct a heat engine with only a heat [high temperature.] source. Such an engine could operate at the expense of cooling, for instance water in the ocean. This process could continue until the entire internal energy of the ocean would be converted into work. A heat engine which would perform in this way was given the name of a perpetual motion machine of the second kind by WILHELM OSTWALD [as distinguished from a perpetual motion machine of the first kind, operating against or violating the law of conservation of energy] In accordance with the foregoing, the statement of the second law of thermodynamics, suggested by Planck can be modified to run as follows

IT IS IMPOSSIBLE TO BUILD A PERPETUAL MOTION OF THE SECOND KIND

An important feature of heat process should be emphasized. Mechanical work, electrical work, the work of magnetic forces etc can be fully converted into heat4. But as regards heat only a fraction of it

can be converted in acyclic process into mechanical and other kinds of work, the other fraction of heat must inevitably be transferred to a low temperature heat source. [or sink]. It has no sink and it needs refrigerator like tool to cool large volume of water in large area. So it is impossible. What is the reliability of impossible laws if they are based on failures and raises ? 1000 falses, mistakes addition can't make a truth or right. A truth is always a truth and truth always triumphs. False is the base to know the Truth. Change is natural _Truths must be further amended for new truths but false should not be added which destroys progress.let 1000 flowers blossom and 1000 thoughts flourish with proper decisions. Foreign universities are conducting competitions on perpetual motion machines, Why can't we?

ANCIENT INDIAN RESEARCH FOR SUSTAINABLE DEVELOPMENT OR INDIAN TRADITIONAL KNOWLEDGE SYSTEM PERPETUUM MOBILE — CONCEPTS I

The idea of perpetual motion originated in the orient. The first description of perpetual motion machine was found to be made by the Indian mathematician and astronomer BRAMHA GUPTA IN 624, IN his Bramhasphuta siddhanla, he describes a perpetual motion device: Make a wheel of light timber, with uniformly hollow spokes at equal intervals. Fill each spoke up to half with mercury and seal its opening situated in the rim. Set up the wheel so that its axle rests horizontal on two [upright] supports. Then the mercury runs upwards [in some] hollow spaces and down wards [in some others, as a result of which] the wheel rotates automatically forever.[transl. S. R. Sarnia.] The sisyadhwivddhida tantra by the Indian Astronomer Lalla written in 748.is the next treatise, where a comparable perpetual motion machine is described. Lalla also refers to a wheel with spokes partly filled with mercury. Around 1150 the Indian mathematician and astronomer BLIASKARA described in his SIDDITTA SIROMANI a wheel with containers of mercury around its circumference. He says This machine rotates with great power because the mercury at one

side of axle is closer than the other. Apparently he thought this would cause continual unbalance to sustain rotation. Supposedly he didn't build and test the device and many other authors didn't make this final step as well. Since the 12th century, the principle of this machine was frequently incorporated into other perpetual motion proposals and became part of the history of technology. Even today inventors propose variants of this over balanced wheel. often in complicated designs containing wheels with eccentric levers and masses attached to them. perpetual motion machines based on wheels with attached eccentric masses, shifting masses or containers filled with liquid are called Indian, Persian or Arabian perpetual motion machines⁵. Like INDO ARABIC NUMBERS. But we are seeing many impossibilities in sciences like physics, physical chemistry, mechanics, Thermodynamics, vacuum science etc, we can't see our ancestors designs even in a single book. It shows our ignorance on our cultural heritage. We have many odd prime numbers, we can't conclude all prime numbers are odd, since we have two an even prime number.

INDIAN ANCIENT AND PRESENT DESIGNS ARE BASED ON GRAVITY AND FLUIDS OR SOLIDS WHEREAS IMPOSSIBLE PROHIBITED PERPETUAL MOTION MACHINES ARE BASED ON '11-11-. RMODYNAMIC. S. THF SECOND LAW OF THERMODYNAMICS CAN'T CONTRADICT INDIAN PERPETUAL MOTION MACHINES, WHICH ARE POSSIBLE WITH THE BASICS LIKE OPEN SYSTEM. CLOSED SYSTEM, ISOLATED SYSTEM AND GIBBS FREE ENERGY EXCEPT IMPOSSIBLE STATEMENTS. INDIAN PPM HAVE BOTH SOURCE [GRAVITY AND ATMOSPHERIC OCEAN] AND SINK OR HOLLOW STRUCTURE.. CATALYST. BUT IMPOSSIBLE SECOND KIND OF PPM HAS ONLY SOURCE [OCEAN] BUT NO SINK.

SERVICABLE SECOND LAW OF THERMODYNAMICS In whatever form energy exists work can only be obtained if the energy is present in a state of greater intensity in one portion of the system and lesser intensity in other part of the system We are seeing this law in all machines

like mechanical, electrical, wind hydro and heat engines⁶, Energy is a fundamental property of a physical system and refers to its potential to maintain a material system identity or structure (forced field in space] and to influence changes. [via forced displacement interactions with other systems by imparting work]. [forced directional displacement-forced chaotic displacement/motion of a system.] Energy exchanges or transfers are associated with all processes [or changes] and thus are indivisible from time. Mass refers to system measure of inertia [resistance to system acceleration or motion change as a whole]. Mass is energy.

AVAILABLE ENERGY: Forced field refers to conservative or reversible or elastic force distribution in space responsible for particle and or system structure or mass energy distribution in space, the cause and effect phenomena. The binding energy of any structure and represents potential energy which could be partially released if a system structure is transformed or displaced. Forced field is a displacement gradient of related potential energy of a system. The sources of energy can be divided in to two groups grade and low grade energy. The conversion of high grade energy to shaft work is exempt from the limitations of the second law while the conversion of low grade energy is subject to them.

The examples of two kinds of energy are High grade energy a. Mechanical work, b.electrical energy, c. water power, d. wind power, e. kinetic energy of a jet, f. tidal power_ Wind power and compound or Foucault pendulum calculations are not based on prohibited impossible laws g. Gravitational potential energy should be added in high grade energy. Low grade energy, a. Heat or thermal energy, b Heat derived from nuclear fission or fusion. c, Heat derived from combustion of fossil fuels. The bulk of the high grade energy in the form of mechanical work is the differences in the source and sink intensities, Gibbs is accredited with being the originator of the availability concept⁷.If a system is defined as a certain quantity of matter, then the system

contains same matter and there can be no transfer of mass across its boundary. However, if a system is defined as a region of space within a prescribed boundary, then matter can cross the system boundary, while the former is called a closed system, the later is an open system. A certain quantity of fluid in a cylinder bounded by a piston constitutes a closed system. Everything external to the system is called the surroundings or the environment. The system is separated from the surroundings by the system boundary. The boundary may be either fixed or moving. A system and its surroundings together comprise a universe.

MECHANICAL ENERGY RESERVOIR [MER] is large body enclosed by an adiabatic impermeable wall capable of storing work as potential energy [such as a raised weight or wound spring] or kinetic energy [such as rotating fly wheel]. All processes of interest within an MER are essentially quasi static. An MER receives and delivers mechanical energy quasi-statically. False vacuum is a local minimum but not the minimum energy state of the system overall [which is called the true vacuum]. False vacuum could be responsible for the expansion in the inflationary universe which could have been important in the early universe⁸.example A small area vacuum in Atmosphere. Mechanical energy causes motion. Motion refers to system [and its structure] activity that manifests in its displacement in space and time, thus defining space coordinates and time. System motion could be resolved into different components as spinning around its center of mass, rotation around other systems. Motion is work. Work refers to controlled energy transfer when one system is exerting force in specific direction and thus making a purposeful change [displacement] of the other systems it is inevitably [spontaneously!] accompanied, to a larger or smaller degree, with dissipative [without control]energy transfer referred to as heat Mechanical energy refers to the energy associated with ordered motion of moving objects at large scale [kinetic] and ordered elastic potential energy within the mechanical structure as

well as potential energy in gravitational field. If total force on the body due to gravity or atmospheric pressure is not equal to zero it will be in unstable equilibrium or in motion Stevin evolved the law of the equilibrium of forces on inclined plane without invoking the rule of the parallelogram. Stevin formulated the law of equilibrium while trying for perpetual motion machine with spheres 2+4+8 on three sides on prism 9. Fortunately then there were no prohibition rules and these systems are based on extensive property.

Let us learn everything that is good from others, but bring it in, and in our own way absorb it, do not become others. Swami Vivekananda. It is better to accept our ancestors perpetual motion designs and continue our efforts for perpetual motion machines. Let us take gravity, a central force and atmospheric ocean as the sources for our modern designs like our ancestors and add hollow structures or catalysts as sink. This modern designs have source and sink and different intensities in and outside. Higher intensity is in the natural forces, it needs only initial starting energy by us, it gains its working power from nature thus it becomes cheap and eco friendly. This can fulfill working machine conditions or the serviceable second law of Thermodynamics Let us add and continue with this two theorems [innovations] to our ancestors theorems to fulfil their and our dreams on perpetual motion machines. This is not perpetual motion machine of second kind, but it is Indian perpetual motion machine which works in the required time only but not for forever which is not necessary.

1. SATELLITE ON THE SURFACE OF THE EARTH FOR POWER GENERATION AND TRANSPORTATION.
2. WHIRL WIND WHEEL —WHEEL REVOLUTION WITH AIR REACTOR.

SATELLITE ON THE SURFACE OF THE EARTH FOR POWER GENERATION AND TRANSPORTATION [THEOREM]

If a weight rests on hollow right angle isosceles triangle inclined hypotenuse, then weight force convert as horizontal force and push it into motion like a satellite on the earth surface. A rigid light hollow right angle isosceles shaped body [sink, catalyst] with wheels at its base and heavy weights [source] on the hypotenuse become a reversible machine with more than 50% efficiency, large weights difference in source minus sink works horizontally and push unstable freely rotatable wheels make to move like a satellite on the surface of the earth. 11.

SOURCE, Central force is one which always acts towards or away from a fixed point on a particle or body. The magnitude of such a force depends only on the distance from the fixed point. In this innovation Gravitational potential energy is the source and hollow right angle isosceles triangle shaped rigid body is a sink or a catalyst. Source, sink and weights on hypotenuse together forms this system if the work done by a force depends only on the initial and final states and not on the path taken it is called a conservative force, the force of gravity is a conservative force. The change in the potential energy of a system corresponding to conservative internal forces is equal to negative of the work done by these forces. Work done on a body is equal to the change in its kinetic energy. The sum of the potential energy and kinetic energy is called the total mechanical energy and remains constant is called the principle of the law of conservation of energy 12 and We can state the law for a system of particles in a moving conservative field because the law is valid for each individual particle, the energy function of the particle in a conservative force field is invariant to changes of time and position of the particle.13.

WHIRL WIND WHEEL –WHEEL REVOLUTION WITH AIR REACTOR THEOREM

If a permanent vacuum [depressed area] is arranged in a hollow cylindrical shaped body fixed with six pistons [with bores] to its sides like a regular hexagon and connected to an axle at its centre then

Atmosphere push the obstructed pistons inward and keep the cylinder in rotation as long as there is pressure difference in and outside. Inside vacuum, outside side atmosphere and cylinder forms this system⁴. It works continuously since nature abhors vacuum with negative GIBBS FREE ENERGY. Whirl wind conditions are in it. This works like an artificial typhoon. This generates power like vertical axes wind mill. Wind is the source which inexhaustible, we are seeing its power in wind mills and in typhoons. Typhoons exists far many days. OITO VON GURIUCKE MAGDEBERG hemi sphere experiments show us vacuum based power.⁸⁴⁻⁸, Sixteen horses in opposite directions could not separate evacuated hemi spheres. This work is just opposite to our vehicle tyre. High pressure and more temperature are in the tyre but only standard temperature and pressure exists outside, though more load acts on tyre it works for months without mass transfer due to leakage [entropy] like a closed system. Closed system do not evolve away from equilibrium, they only evolve toward equilibrium, once a closed system reaches equilibrium it stays in that maximum entropy condition forever, unless it stops being a closed system ¹⁵. that is, it exchanges matter or energy with its environment. Similarly we can control less temperature and pressure in side of this system for months and gain work for months, only with initiating energy for evacuation ¹⁶.

CONCLUSIONS

Thermodynamic impossible laws are applicable to low grade energies but not for high grade energies like wind and gravity innovations like all other innovations for patents

No one has no doubt on parallelogram law and laws of couples which are used in our SATELLITE ON THE SURFACE OF THE EARTH AND WHIRL WIND WHEEL —WHEEL REVOLUTION WITH AIR REACTOR.. Hence policy makers have to think on the above innovations and new high grade gravity potential energy has to include as new

high grade. energy, and make necessary policy modifications. Many of us don't realize that we are just one decision away from completely different lives or circumstances that resolve our environment, health and financial problems or independence. Many believe that great achievements come from un comfort zone persons [perpetual motionists] and comfort zone persons wouldn't bother on them due to this prohibition and impossible rules. Who will take initiation to solve most essentially and UN needed solutions. We have proved, we are capable to overcome hurdles from other nations in nuclear activities. Hope Indian government leads the world like our ancestors. Let us help ourselves to grow our indigenous knowledge in our global village. These are more important than nuclear [prohibited] activities since these are indigenous and can reach all homes and rural areas, If Indian government could change the patent policy then India will become world energy influencer, world energy champion and world energy change maker.

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Chapter 6

Cultural Heritage/Traditional Knowledge

1. Indian culture
2. SCIENCE in Religious knowledge
3. Creative city of sustainable designs and Intangible cultural heritage expressions AP, India 4TENTATIVE LIST SUBMISSION FORMAT FOR FUTURE TRANSNATIONAL AND TRANSPUBLIC NOMINATIONS

Man is born to conquer nature and not to follow it

– Vivekananda

The secret of freedom lies in educating people where as
the secret of tyranny is keeping them ignorant
(Forced to learn impossibles)

– Maximillien Rabespierre

Awake, arise and stop not till the goal reached

– Vivekananda IMPOSSIBLES ARE POSSIBLE

■ INDIAN CULTURE

Humans fight with nature for survival (Templeton)

1. Ganesh wrote Mahabharata
2. Halahala
3. Arunasur
4. Tripurasura
5. Panchabhootha temples
6. Ramasetu Rama Bramhastra
7. Sudharsana chakra
8. Govardhan parvat Dharma samstapanardhaya sambhavami yuge yuge
9. Agniswar, Agnidev stepdown senapati.
10. Gautam Buddha and Gandhi for peace
11. Automatic brakes with accidental forces Robot
12. Noise pollution versus rotors in vehicles silencer
13. Earth quake alarm at homes
14. Water transportation in the sky with sea breezes and Nuclear reactor on ocean surface
15. National emblem Ashok chakra
16. National flag with wheel Indian ancestors like Lallacharya, Bramhagupta, Bhaskaracharya etc on perpetual motion machines.
17. Whirl wind wheel
18. WHIRLPOOL WHEEL
19. Vacuum below aeroplane. Surface.
20. Satellite
21. Gravity mill
22. Gravity gift power machine

23. Earned energy machine.
24. It is my duty to share my stories. (Understanding our nature/ Science)

Lord Ganesha wrote the Mahabharata as it was recited to him by the sage veda vyasa. According to the life hacker, this was done on the condition that Vyasa wouldn't stop while writing, besides the condition that Ganesha would not merely write it but also understand every versa of it. Popular legends say that it took both of them three years of continuous speaking and writing to complete the impossible epic. This shows the power of sound and this is an example of our learning skills like look, listen, speak, read (understand) and write knowledge. Knowledge can transfer from one generation to the other in this way. Together we can change impossible to possible.

HALA HALA

Hala or kalakuta a black mass or time is the name of poison created from the sea when Daves duties and Asuras demons churned it (samudramanthan) in order to obtain Amrita, the nectar of immortality. Lord shiva choose to consume the poison and thus drank it. His wife the goddess Parvati was alarmed as she gripped her husband's neck with both hands in order to stop the poison thus earning him the name vishakanta (the one who held poison in his throat) He was later saved by Mahavidya tara a form of parvati The poison throat blue like bluish hence he is also known as Neelakamta. Pallikondeswrara temple surutapalli. The presiding deity pallikondeswrara unlike other shiva temples will by reclining posture in the lap of his consort Parvati.

Arunasur, A demon who captured 5 dieties (Earth, air, fire water and Akash) to alive his mother back from death with love through his stubborn desire. Is an example how to control our 5 Panchabhootas.

Tripurasura is trio of asura brothers named Tarakasha, Vidunmali and kamalasha were the sons is Tarakasha. They were granted boon by

Bramha to have three forts gold silver and iron which angered deities. Those forts built in different worlds shall aline once in every 1000 years. This combined forts will be called Tripura. And if any one can then destroy Tripura with only single arrow that shall be death destined for them. The golden fort was built in heaven, the silver one in the sky and the iron one on the earth seems like Highsonberg uncertainty principle we can't find the location of electron but we split electron like bomb.

Sudarshan chakra was created from the sun rays. Viswakarma the architect of the cosmic god's had married his daughter Samjana to Suryadev, However to the intense heat of surya Samjana was unable to look at him and was neither able to approach him. Sanjana told this misery to her father, viswakarma on hearing this request, viswakarma decided to lessen suryas shine. He collected suns dust and made three objects one was Lord Shiva's trishul the next was pushpakavimana and the third was sudarshan chakra a vital weapon for protecting law by Vishnu.

Rama Bramhastra: To construct Ramasetu Rama prayed sea God but no response. When lord Rama was about to release Bramhastra from his bow the sea God appeared before him with joined palms and advised him to get a bridge constructed by Nal across the ocean. Rama released Bramhastra over Meru. Malwar in Rajasthan. because of this dessert of

morus became famous in the three worlds. He gave a boon to that dessert of Maru to become the most congenial place for cattle raring a place with little disease. Producing taste fruits and roots with a lot of clarified butter a lot of milk and various kinds of sweet smelling herbs.

Agniswar wants to become leader instead of Kartikeya. He showed his power and destroying the nature.

All requested him to stop destruction but in vain. Lord Shiva warned him he didn't listen. Lord Shiva opened his third eye and suppressed

Agnidev. Agnidev accepted he is not eligible to be a senapati. Shiva formed a Shivalinga and Lord Bramha named it Agniswar. Agnipuriswar is in Tamilnadu and Agniswar is in kasi varanasi.

Govardhan giri puja, Lord krishna didn't accepted to give animal killing sacrifices with a fear to Lord indra. But pray the nature Govardhan giri which gives them all with affection and love and make it useful and lifted the Govardhan giri to protect people and animals from Lord indra destruction and suppressed Indra ego and said Dharma samstapanardhaya sambhavami yuge yuge. To delete false beliefs i will born again and again. He advised not to follow superstitions. If it is in science it will become more dangerous. Laws of Thermodynamics or impossible laws may be a great obstruction to progress. An idea can change the world, but a policy can destroy world for many centuries.

The Asoka chakra is the wheel that denotes movement a way forward to peace progress andprosperity.

Indian national flag, only flag in the world with wheel which is an indication how wheel is immersed in Indian culture.

A wheel in Science may called a perpetual motion machine which was designed in India by Lallacharya, Bramhagupta Bhaskaracharya and many more was propagated by Persians and now called Indo Persian machine like Indo Arabic numbers. We present Indian modern wheels for peace and net zero carbon emissions. These are solutions for UN ROAD SAFETY DECADES and UN DECADE OF SUSTAINABLE ENERGY FOR ALL.

Let us Learn our culture and flourish. Sarvejana sukhinobhavantu Samasta sanmangalani santuAsatoma sadgamaya Tamasoma jyotirgamaya

Mrutyorma amrutanga mayaOm shanti shanti shanthy hi.

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IMPOSSIBLES ARE POSSIBLE

RELIGIOUS KNOWLEDGE BHAGAVAD GITA CONNECTED WITH THE LAW OF CONSERVATION OF ENERGY (SOUL = ENERGY)

INTRODUCTION

Man is born to conquer nature and not to follow it Swami Vivekananda. Conquer means living friendly with nature but not destroying it, instead cooperating each other. What ever action a great man performs, common men follow. And what ever standards he sets by exemplary acts, all the world pursues. People in general always require a leader who can teach the public by practical behaviour. A leader can't teach the public to stop smoking if he himself smokes. A teacher should behave properly before he begins teaching. One teaches in that way is called acarya or the ideal teacher. Therefore, a teacher must follow the Principles of sastra to teach the common man. The teacher cannot manufacture rules against the Principles of revealed scriptures or shastras. The revealed scriptures like law of conservation of energy and similar others are considered the standard books to be followed by human society. Thus the leader's should be based on the Principles of such standard shastras. One who desires to improve himself must follow the standard rules as they are practiced by the great teachers. The king or the executive head of the state, the father and the school teacher are all considered to be natural leaders of the innocent people. All such natural leaders have a great responsibility to their dependents, therefore they must be conversant with standard books of moral and spiritual codes.3.21 (3 is chapter number and 21 is Sloka number) It is far better to discharge one's prescribed duties, even though faultily than another's duties perfectly. Destruction in the course of performing one's own duty is better than engaging in another's duties, for to follow another's path is dangerous (3.35). Perpetual motionists reject impossibles and continue to find the truth, but others follow partial truths and become ignorants, Is it necessary? Knowledge by which one is attached to one kind of work as the all in all, without knowledge of truth,

and which is very meager is said to be in the mode of darkness 18.22. That action performed in illusion, in disregard of scriptural injunctions and without concern for the future bondage or for violence or distress caused to others is said to be in the mode of ignorance. (18.25). That action which is regulated and which is performed without attachment, without love or hatred and without desire for fruititive results is said to be in the mode of goodness. (18.24). One who performs his duty without association with the modes of material nature, without false ego, with great determination and enthusiasm and without wavering in success or failure is said to be a worker in the mode of goodness. (18.26). From the mode of goodness, real knowledge develops, from the mode of passion the greed develops and from the mode of ignorance develop foolishness madness and illusion. (14.17).

SATTVA, RAJASAH AND TAMASAH

Those situated in the mode of goodness gradually go upward to the higher planets those in the mode of passion live on the earth planets and those in the abominable mode of ignorance go down to the hellish world's. The lowest quality, the mode of ignorance is described here as abominable. The result of developing ignorance is very very risky. It is the lowest quality in material nature. Beneath the human level. There are eight million species of life _ birds, beasts, reptiles, trees etc _ and according to the development of the mode of ignorance people are brought down to these abominable conditions. The word TAMASAH is very significant here. TAMASAH indicates those who stay continuously in the mode of ignorance without rising to a higher mode. Their future is very dark. There is an opportunity for men in the modes of ignorance and passion to be elevated to the mode of goodness and that system is called consciousness. But one who does take advantage of this opportunity will certainly continue in the lower modes or in the darkness. (14.18) Try to learn the truth by approaching master. Inquire from him submissively and render service unto him. The self realized souls can impart knowledge into you because they

have seen the truth. (4.34) I shall now declare unto you in full this knowledge, both phenomenal and numinous. This being known, nothing further shall remain for you to complete knowledge includes knowledge of the phenomenal world, the spirit behind it and the source of both of them. This is transcendental knowledge. Therefore one should be intelligent enough to know the source of all knowledge, who is the cause of all causes and the only object for meditation in all types of yoga practice. When the cause of all causes becomes known, then everything knowable becomes known. The Vedas (Mundaka upanishad 1.3) say *kasminn u bhagavo vijante sarvam idam vijantam bhavati* (7.2). Out of many thousands among men, one may endeavour for perfection, and of those who have achieved perfection, hardly one knows me in truth. There are various grades of people and out of many thousands, one may be sufficiently interested in transcendental realization to try to know what is the self, what is the body and what is the absolute truth. Generally mankind is simply engaged in animal propensities, namely eating, sleeping, defending and mating and hardly any one is interested in transcendental knowledge (7.3). For the soul there is neither birth nor death at any time. He has not come into being does not come into being and will not come into being. He is unborn, eternal, ever existing and Primeval. He is not slain when the body is slain. The soul is full of knowledge, or full always with consciousness, therefore consciousness is the symptom of the soul. Even if one does not find the soul within the heart, where he is situated, one can still understand the presence of the soul simply by the presence of consciousness. Some times we don't find the sun in the sky owing to the clouds or for some other reason, but the light of the sun is always there and we are convinced that it is therefore day time. As soon as there is a little light in the sky in the morning, we can understand that the sun is in the sky. Similarly since there is some consciousness in all bodies whether man or animal – – we can understand the presence of soul. (2.20). As a person puts on new garments giving up old ones, the soul similarly accepts new material

bodies, giving up the old and useless ones. (2.22) The soul can never be cut to pieces by any weapon, nor burner by fire, not moistened by water nor withered by the wind. (2.23) If however, you think that the soul or the symptoms of life will always be born and die forever, (2.26) One who has taken his birth is sure to die, and after death one is sure to take birth again, Therefore in the unavoidable discharge of your, you should not lament. (2.27).

SHUNYA: Anything remains mysterious until it is fully comprehended. Certain things are self evident but other are harder to decipher and thus mystify a large number of people. Zero is one of these. Shunya or zero is one such entity. From a philosophical and mathematical view point. Shunya goes deeper, as we go to understand it more. Let us unfold the meaning of shunya from various lenses.

Shunya is formless and devoid of all attributes centuries ago. According to philosophers Physical existence was composed of five basic elements earth, fire, water, air and space. Science today reframe this same concept matter with energy. space with time and intelligence or awareness with consciousness. We have our body and mind limitations with different levels of consciousness with in us. If we operate from space of shunya it goes beyond the mind in to limitless energy we know that even after we emerge from similar sources, as we expand there is a shift in our awareness. Based on the shift in the conscious field, it can be determined where your journey will take you.

The mystical representation of the consciousness: Shunya: A neutral state of nothingness, Every thing emerges from shunya and expands like Big Bang theory, Boson particle or Gods particle or Banyan tree from seed. The value of shunya is unmanifested, it only manifested itself when it is in sync with matter. The nature of shunya in the universe is very similar to it.

It's is nirguna which means shapeless, it is neutral it is the universal energy, It is consciousness that drives or quantifies all our acts, our

entire life when used with a positive mental proclivity. It leads to goodness or construction. Every thing emerges from shunya and expands. Self help is the best help, to unlock our own ability to create our own awareness. We can make our thinking shift from blacked space to a space where we growing. Shunya can be presumed to be that idle awareness eternally flowing in the cosmos. When it merges with matter, it brings existence or life in to force or reality in the content called consciousness. Shunya or nothingness provide us a glimpse of our origin and make us aware where we come from and what is our destiny. Consciousness is awareness with a purpose. Raising consciousness gives a new perspective and is to collectively push humanity to new realm of next possibilities where we all can experience oneness in its truest from.

Decode Hindu mythology KALCHAKRA, As each grain of time is destroyed, the next comes along and bring with it either creation or Destruction. This is the dance of Shiva the eternal cycle of life and death, birth and rebirth, formation and dissolution is called the KALCHAKRA or the wheel of time. Some look on the soul as amazing, some describe him as amazing, and some hear of him as amazing while others even after hearing about him can't understand him at all. (2.29) Similarly some perpetual motion machines are possible and achievable, some think it is impossible and time waste. Edison inventor of many useful things thought perpetual motion machines are impossible. It is like rising from darkness to light or impossible to possible. If all or many learned authorities say it is impossible and prohibited how to find the truth ? But all it is necessary and many are trying for it with different names or renewable resources. Many fathers of Sciences rejected perpetual motion machines and they inspired for alchemy. We know Energy is more useful than gold. General public like gold but suffer from environment degradation. Government alone can ban prohibitions and create interest among intelligent for perpetual motion machines like alchemy.

SCIENCE IN HINDU RELIGION

Knowledge in religion or knowledge in Science are for human progress and development. According to Buddha, do not believe anything simply because it is spoken and rumored by many. Don't believe anything simply because it is found written in your religious books. Don't believe in anything merely on the authority of your teachers and elders. Don't believe in traditions because they have been handed down for many generations. But after observation and analysis. When you find that anything agrees with reason and is conducive to the good and benefits of one and all then accept it and live up to it. This should be considered in religion and Science. Religious knowledge may not be verifiable but Science should be verified. Our Mahabharat inscription by lord Ganesha while dictating Vedavyasa without interrupting the process teach us how education and research should be done with more concentration and understanding. This teaches us we must have attention in developing our education. But now we are considering it was manner. We know no pain no gain. Perpetual motion machine construction became impossible and prohibited in patent offices without continuity and concentration since many centuries and changed to wars for fuels. This is how religion shows us our defects in our education. Samudra manthan, Devas and Asuras performed samudra manthan for progress, they got many useful things but they also got poison or pollution which Lord Shiva swallowed and became Garalakanta. We the problem now with our activities with excess carbon emissions,

environment degradation along with many health hazards. This is due to lack of proper energy or perpetual motion machines.

CONCLUSION

LAW OF CONSERVATION OF ENERGY states that Energy can't be created or destroyed but can change from one form to another. This has neither formal proof nor experimental proof. Is simply a statement

with human experience and it made patent prohibition in patent offices on

construction of Perpetual motion machine. In this manner it became a hurdle in science and technology progress. It kept the human intelligence in darkness since many centuries. It has many failure attempts model but has no counter example. It is considered and accepted as impossible by many people. It has no experimental proof, so why should we accept it is impossible but it is possible and they are trying to construct it. We have CERN to investigate on God's particle or to understand our universe. We are unable to confirm Big Bang theory, Our efforts are continuing, why should we ban perpetual motion machines which are also a part in understanding our nature. God is created by man. Man is created by Nature, Alphabets are generated by man. Alphabets are useful to develop knowledge and knowledge based imagination or ideas. Nature = Knowledge = God is power. With out these we were like animals with out knowledge. All these develop our knowledge and make perpetual motion machines are possible. Or impossibles are possibles.

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WHAT IS A UNESCO CITY OF DESIGN?

The Creative Cities Network is a privileged partner of UNESCO, not only as a platform for reflection on the role of creativity as a lever for sustainable development but also as a breeding ground of action and innovation. As one of 246 cities in this network, we place creativity and cultural industries at the heart of our development plans at the local level and cooperating actively at the international level.

TENTATIVE LIST SUBMISSION FORMAT FOR FUTURE TRANSNATIONAL AND TRANSBOUNDARY NOMINATIONS

STATE PARTY

Submission prepared by the Author

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NAME OF THE PROPERTY

MODERN WHEELS FOR PEACE (RIGHT TO LIFE) ENVIRONMENT PROTECTION-MISSPENT ENERGY REGULATION – FREE ENERGY GENERATION – PERPETUAL MOTION MACHINES RENAISSANCE BY DR J HARIHARA REDDY.

STATE: Andhra Pradesh Region: THIRUPATHI Latitude: Thirupathi.
DESCRIPTION enclosed

JUSTIFICATION of outstanding universal value enclosed

Criteria met --- (i) represent a master peace of human creative genius. (v) be an outstanding example of traditional human settlement, land use or sea use which is representative culture or human interaction with the environment especially when it has become vulnerable under the impact of irreversible change and (vii) Contain superlative natural phenomena with Science.

Statement of authenticity and or integrity enclosed

Comparison with similar properties, No other similar properties in the entire world, world is searching for them with UN Decades but with

much history in the past, in present and future. Better to have patents and these become useful to present and future necessities with outstanding universal value. i, v are cultural and vii natural intangible heritage become mixed cultural heritage to be safeguarding since our entire atmosphere is highly polluted, it is transitional, trans boundary to be urgently safeguarded.

DESCRIPTION

Culture enables flourishing and flourishing enhances culture. Human flourishing is both optimal continuing development of human beings potentials and living well as human beings engaged in relationships and activities that are meaningful, i.e aligned with both their own values and humanistic values in a way that is satisfying to them. Flourishing is conditional on contribution of individuals and requires our enabling environment. Culture is how human beings express truth build trust and find the empathy to serve each other's needs. Cultures creative ability to build connection between man – man and nature and to help us imagine and build a better world every where. (UNESCO MGIEP, ISEE assessment.) The shift to wards a sustainable society is one of the cultural challenges of our times. Our heritage provides clues to our past and how our society has evolved, it helps us examine our history and traditions and enables us develop our awareness about ourselves. It helps us understand and explain why we are the way we are. Cultural diversity in the context of natural resources use refers to differences in beliefs, norms and understanding of the material aspects of natural resources. Knowledge building community is a community in which primary goal is knowledge creation rather than the construction of specific products or completion of tasks. This notion is fundamental in knowledge building theory. If Knowledge is not realized for a community thus we don't have knowledge building. In the case of perpetual motion machines community is father's of many sciences Nobel Laureates, policy makers, patent offices, Academic research institutions, modern R&D groups including present Perpetual motionists like me who

(DR. J Harihara Reddy) have innovated SATELLITE ON THE SURFACE OF THE EARTH and AUTOMATIC BRAKES WITH ROBOT AND ACCIDENTAL FORCES etc. Science has significant role to play in achieving the sustainable development goals defined by recently adopted 2030 agenda for sustainable development. Science must focus on problems solving through interdisciplinary research that integrates Social dimensions to make concrete contributions (converting natural phenomena as machines to human use) to sustainable development. Through research and education trans disciplinary sustainability. science is a fundamental component of this approach. It faces challenges of not only analyzing and supporting the indispensable transformative process but also dynamically making them. To that end sustainability Science is required with in trans disciplinary research and education to support to sustainable development with wide ranging exposable and to educate sustainability experts. Sustainability Science is research and education that results in a new knowledge, technology, innovation and holistic understanding which will allow society to better address global and local sustainability challenges. This field includes disciplinary, interdisciplinary and trans disciplinary Science. It is also geared towards the generation of basic knowledge, applied technology. Socio-cultural innovation as well as towards new governance or Social economic models. Sustainability Science is an expression of both academic freedom responsibility towards societal issues. Explicit knowledge goes to individuals from society but individual research or tacit knowledge goes to society. Imagination is more important than knowledge. For knowledge is limited to all we now know and understand, while imagination embraces the entire world and all there ever will be to know and understand. The only source of knowledge is experience. In terms of intelligence imagination is better. Einstein. (represent a master piece of human creative genius). This model of knowledge posits that the basis of all knowledge creation is the mobilization of tacit knowledge. However the majority of our educational research journals are concerned with combination, the explicit to explicit knowledge conversion which is least directly associated with

tacit knowledge. Thus renewing knowledge and vision for peace and sustainable development goes on continuously. Is not possible to involve government or the other stakeholders alone to documenting intangible cultural heritage. It is necessary to obtain permission from community leaders, practitioners to undertake documentation preservation activities etc. Therefore community participation is mandatory for ICH awareness and protection programs. The most important thing of ICH is not to convert into dead or still documents but to create a strong medium to spread awareness and make more active participatory heritage become the two generations. Young generation do not know much about their family values and memories. The link between young and old generation is getting diluted day by day. Once the relationship in between young and old generations is diluted, collective memories, significance of oral values is not able to pass on to the young generation. This happened in our Perpetual motion machines and now we are studying impossible prohibited Perpetual motion machines instead of our ancestors traditional knowledge Perpetual motion machines. According to the UNESCO convention 2003 the safeguarding intangible heritage is about the transferring of knowledge, skills and meaning. It further emphasized the transmission or communication of heritage from generation to generation rather than production. According to the convention not all the Intangible heritage are safeguarded but only one which recognized by its community as theirs and that provides with a sense of identity and continuity is to be safe guarded. In case of perpetual motion machines not only Thermodynamics impossible laws but also conservation of energy laws forewarn us of the impossibility of the occurrence of certain types of phenomena (Perpetual motion machines) and thus prevent wastage of time and effort that we might otherwise feel tempted to devote in tackling such problems. No matter how syllabus bound a system of education is its efficiency will significantly decline if it permits little space for the teachers to adjust their pedagogical approach to their students lived experience (Rethinking school for 21st century UNESCO MGIEP). Text books are one of the most important educational inputs,

texts reflect basic ideas about national culture and – are often flash points of cultural struggle and controversy. In addition to transmitting knowledge text books also seeks to anchor the political and social norms of a society. Text books convey a global understanding history and the rules of society as well as norms of living with other people. They reflect the traditions of a society has formed over decades or centuries they contribute to developing the individuals self esteem but they also mark the boarder lines of each society under consideration. This occurred particularly in history of sciences and Geography books. Through the teaching of history we create a mesh of reference points in time and space. Where we come from, where we live, are we allowed, are we entitled to there ? History and Geography text books attempts to explain our roots. How and why we happen to be living in a certain place and how that place can be described and characterized, in other words who we really are ?

OUTSTANDING UNIVERSAL VALUE

Brief synthesis: Diversity of cultural expression is that cultural diversity is a defining characteristic of humanity. The ancient Hindus recommended the pursuit of three important impersonal values: Truth (Satyam) , Goodness (Shivam) , and Beauty (Sundaram) and the 4 important personal values of Dharma (righteousness) , Artha (wealth) , Kama (desire) , and Moksha (self-realization). In the modern world “Scientific temper” has emerged as a value indispensable to all. World peace and world citizenship are also considered as values by many. The Devas and Asuras were churning the ocean to achieve immortality. The word Garalakhanta means poison. Shiva who swallowed the dreadful poison kalakhutha that came out of churning of the ocean to save the universe is called Garalakhanta our present world is in the same condition now for our advantages but we got disadvantages too. Bhagheerata is best known for his legend of bringing the sacred river Ganges from heaven upon the earth by performing a panacea after many efforts by his fore fathers. similarly intangible cultural heritage

when it is recognized as such by the communities groups or individuals that create, maintain and transmit it, without their recognition nobody else can decide for them that a given expression or practice is their heritage. Individual is abbreviated as community. Nature is the base for our survival. We are getting air, water and food from nature. Selfishness increased competition among us like Devas and Asuras. We are spoiling our nature leads to untimely deaths on roads, ill-health, increasing tensions arise to UN ROAD SAFETY DECADES and UN DECADE OF SUSTAINABLE ENERGY FOR ALL. The most outstanding of these from an international view point.

JUSTIFICATION

Criteria i, v and vii

Represent a master piece of human creative genius exhibits an important interchange of human values over a span of time or within cultural area of the Scientific discovery no longer proceeds application. The five elements are essential for fulfilling sustainable development goals. The EARTH, AIR, WATER, FIRE and AAKASH or vacuum are the base and resources involved in these master piece of human creative genius in the UNESCO'S creative cities network. Thirupathi comes under design UCCN. It is industrial need which generates the Scientific agenda as new materials are created according to required specifications. This new intellectual power has led the accumulation of knowledge to become the most important component in the process of production, while decreasing the relative importance of traditional factors, i.e. land, raw materials, labor and financial capital. Such a Scientific orientation also calls learning through out life, especially in self education. It is clear that today's world requires this type of mind set, given the speed of Scientific discovery and the information and communication revolutions. There is also the increasing awareness of the limitations of verbal, oratorical and past oriented cultures facing the competitive challenges of continuously new knowledge in our global age. This is possible with Scientific studies and research, vii contain

superlative natural phenomena like Gravity attract all bodies towards the earth, wind and water blows to depressed area. We consider and took knowledge and practices concerning nature and universe to develop elements or dossiers. Our intangible cultural expressions are as follows in i and vii.

III. PHYSICS

1. Automatic brakes with accidental forces Robot Mechanical
2. Automatic brakes with accidental forces Robot Electronics
3. Satellite on the surface of the Earth (Reflection) transportation
4. Wind – Vacuum vehicle
5. Gravity mill for electricity generation (Reflection)
6. Gravity gift power machine (Refraction)
7. Earned energy machine (Interference)
8. Automatic Earthquake alarms at homes

IV. CHEMISTRY

1. Noise pollution versus Rotors in silencers.
2. Whirl wind wheel – Wheel Revolution with Air Reactor.
3. Whirl wind wheel poem.
4. Whirl pool wheel – Wheel Revolution with Fluid Reactor
5. Transportation in the sky with vacuum.
6. Water transportation in the sky to control droughts

Intangible heritage is impossible to touch, it is a thinking and creative genius but it can be converted to Tangible. These elements can be demonstrated that the results will be concrete and applicable widely with in the world heritage system. These can be demonstrated that the subject matter is of a priority nature for better protection and Safeguarding of world heritage practice.

AUTHENCITY

In the knowledge society, constructivism, complexity and new views of knowledge that stress its implicit and Social nature are major drivers for the creation of new knowledge use paradigms. The findings in cognitive psychology and a new interest in constructivism offers a different view that focuses attention on the process of interpretation that lead to understanding. According to constructivist theory, knowledge is developmental, internally constructed, socially and culturally mediated. In contrast to information, knowledge is associated with a Knower, knowledge is hard to access or transfer to another. knowledge is something that we digest or assimilate. It involves knower's understanding. Thus as we shift to conceptions of more complex knowledge we must place more emphasis on people and less emphasis on tangible objects or inanimate information systems. one of the main characteristics of complex knowledge is that to master it requires mastery of several different component pieces of knowledge organized in the form of a system. Another characteristic is that use of complex knowledge depends on the methods that are not mere algorithms. In general these processes and procedures we adopt in publishing articles. Articles meet the conditions of authenticity if their cultural values are truthfully and credibly expressed through a variety of attributes including form design, material substance, use and function, traditions, techniques and management systems, location and setting, language and other forms of intangible heritage, spirit and feeling and other internal and external factors. Research papers satisfy all these attributes.

INTEGRITY

Necessities are the mother of inventions, we had necessities in ancient times, we have necessities at present and we will have necessities in future. These can be solved with our cultural heritage. The power of the theory is exactly proportional to the diversity of situations it can

explain. ELINOR OSTROM, Nobel laureate Economic Science 2009, Our culture is based on beliefs, if there was an accident we say it was their fate. The most dangerous problem today facing our world and particularly India is road safety, we have road safety act 1989 but no decrease in accidents instead they are increasing. But we could control Covid 19 pandemic, similarly we need efforts to control the situation for which master piece of human creative genius can help with a Title MODERN WHEELS FOR PEACE (RIGHT TO LIFE) and Nature conservation. MISSPENT ENERGY REGULATION --- FREE ENERGY GENERATION --- SCIENCE RENAISSANCE BY DR J Harihara Reddy, which has long history in the name of perpetual motion machines, world considered them as impossible and all patent offices prohibited them, Learned persons instructed to stop efforts on Perpetual motion machines and try for alchemy or gold, some others said, stop efforts on alchemy instead try for good innovations. Arthur Clark concluded if a grey beard person said something is impossible he is likely wrong, if he said, it is possible he is likely right. Many along with NEPOLEAN said remove the word impossible from the dictionaries. Perpetual motion machines have long history not only in India but also all over the world with out any space (national and international and ancient and present) time restrictions. These Science research or our ancestors traditional knowledge can help and reduce tensions for oil wars. This is urgently needed since we have UN DECADE OF SUSTAINABLE ENERGY FOR ALL. But Indians Perpetual motion machines are based on high grade energies they can be proved and constructed (almost proved with evidence based Science got awards) This research can make integrity for humanity.

SIMILAR PROPERTIES

No similar properties all over the world, these are designed and created intentionally by the author (DR. J Harihara Reddy) dossier for humanity and solutions for UN ROAD SAFETY DECADES and UN DECADE OF SUSTAINABLE ENERGY FOR ALL but may have other

Science discoveries with patents. The cultural perspective looks to basic differences in values and beliefs. The cultural perspective emphasizes the need to affect changes in meanings and values of those with in the concept. And it is also explains why resistance can be so intractable and changes so slow when an innovation runs counter to deeply held by values and beliefs or when change activity forces different micro communities with in an adopting system to confront differences in values and beliefs that had heretofore remained unexamined. So these need urgent Safeguarding actions by government of Andhra Pradesh. These are transitional and trans boundary elements of Andhra Pradesh/ Indian cultural heritage assets.

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Chapter 7

Bio Data and Awards

1. Educational Qualifications
2. Bio data/Achievements
3. District/State awards
4. National awards
5. International awards.

Man is born to conquer nature and not to follow it

– Vivekananda

The secret of freedom lies in educating people where
as the secret of tyranny is keeping them ignorant
(Forced to learn impossibles)

– Maximillien Rabespierre

Awake, arise and stop not till the goal reached

– Vivekananda

EDUCATIONAL QUALIFICATIONS



Faculty of Science

The Senate of Sri Venkateswara University hereby makes known that G. Harihara Reddy has been admitted to the Degree of Bachelor of Science, having been certified by duly appointed Examiners to be qualified to receive the same, at the Examination prescribed therefor as hereunder:

SUBJECT	YEAR	CLASS
Part I: (A) English (B) Another Language <i>Telugu</i>	April 1978	Third
Part II: (Optional Subjects) ENGLISH MEDIUM Mathematics Physics Chemistry	{ October 1979	Second

Given under the Seal of the University

Tirupati 14 FEB 1981

N. B. Venkateswara Rao

Controller of Examinations

1671-^b SRI VENKATESWARA UNIVERSITY
FACULTY OF TEACHING

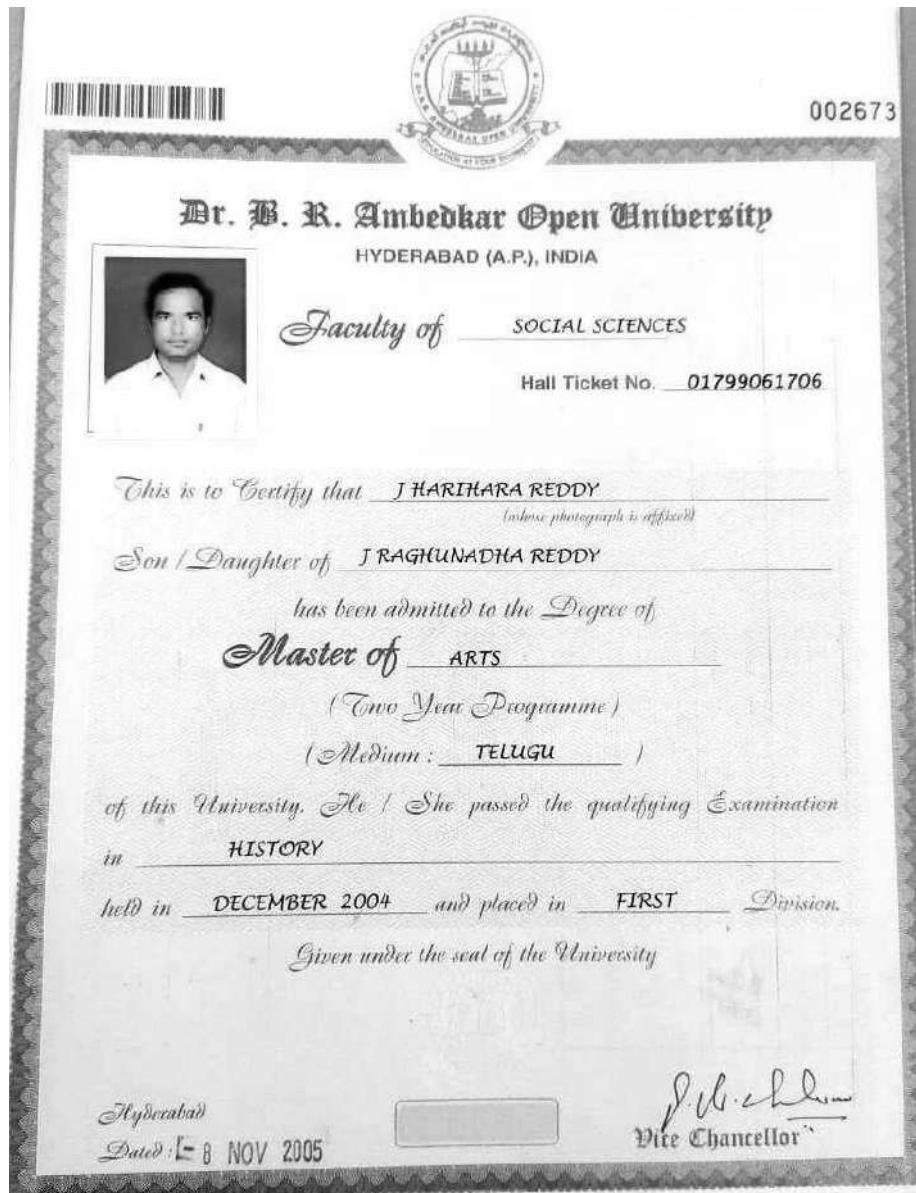
The Senate of Sri Venkateswara University hereby makes known that J. Harichara Reddy has been admitted to the Degree of Bachelor of Education, having been certified by duly appointed Examiners to be qualified to receive the same, at the Examination prescribed therefor as hereunder:

	YEAR	CLASS
TELUGU MEDIUM		
Part I — (Theory)		
School Subjects		
(a). Mathematics	July, 1985	Second
(b). Physical Sciences		
Part II — Practical & Records	~do~	Second

Given under the Seal of the University

Birupati
Dated 20 MAR 1986

K. Srinivasulu
Controller of Examinations.





Annamalai University

Directorate of Distance Education
Annamalainagar - 608 002.

Enrolment No. 1991335

TRANSFER CERTIFICATE

Name of the Student

JEEPALEM MARIHARA REDDY

2. Date of Birth as entered
in the Admission Register

05/05/1957
[FIFTH MAY NINETEEN FIFTYSEVEN]

3. Nationality and Community

INDIAN / DC

4. Year & Month in which he/she
was admitted to the Course

JULY - '91

5. Class in which he/she was studying
at the time of leaving the course

M.Sc

6. Subjects or portions thereof
studied by him/her

PHYSICS

7. Whether qualified for promotion
to higher class

REFER TO THE MARKLIST

8. Whether the student has paid all
fees due to the Directorate

YES

9. Date on which he/she actually left

JUNE - '93

10. Reasons for leaving

COURSE COMPLETED

Date 25/06/93



Director

Annamalai University

Directorate of Distance Education
Annamalainagar - 608 002.



No. 00334

Enrolment No. 1991335

Course cum Conduct Certificate

Certified that JEEPALEM MARIHARA REDDY was/is
a student enrolled for the M.Sc PHYSICS course in the Directorate of Distance Education
during the year 1991-'93. His/Her conduct and character were/are *good*.

Date 25/06/93



Director

BIO DATA & ACHIEVEMENTS

J HARIHARA REDDY born on 05-05-1957. Passed B.Sc, B.Ed, MA, Retired as Head Master. Discovered solutions for UN ROAD SAFETY DECADES, UN DECADE OF SUSTAINABLE ENERGY FOR ALL and International Decade and SCIENCE AND SUSTAINABLE DEVELOPMENT (2024-2033). We are in nature our peace is in nature. Peace is in conservation of resources and satisfaction of mind. Peace begins with responsible individual and spread to the family, to the community, to the nation and the global village. There is no path to peace, peace is the path, Gandhiji. These innovations will resolve fundamental problems, created powerful new techniques, introduced unifying principles like NATURE MACHINE THEOREM, or opened major new fields of research. These can remove traces of colonial mind set connected with our ancestors perpetual motion machines which are considered impossibles and prohibited with Science accepted Science superstitions on Energy generation. Energy became the universal currency of Physics – the gold standard as it were, of changes in the universe. These can convert intangible cultural heritage expressions to tangible designs. These will become base for curriculum rectification and education reforms in patent offices in India. These can control untimely deaths, injuries, property losses and environment degradation. These can decrease tension among nations for fuels imports and bring financial and energy independence which controls all materials costs. These are helpful to control droughts and free transportation in local areas. These will bring UNESCO recognition to TIRUPATHI as creative city of sustainable designs with nature wheels. It will be known if examined properly, these are worth for Noble prize in physics, chemistry, peace and Templeton prize along Gandhi peace prize in India. Thousands mistakes cannot become a correct. It only depends on our consciousness. These satisfy vocal for local, one district one product and road map for Vikasith Bharath 2047number 6 designed in India designed for world.

S. No.	Award Name	Year of Award	Field	Type of Award	Award Authority
1	State Level Science Fair Scert	2016	Transport and Communicatoin	State	Director Scert Andhra Pradesh
2	Certificate of Appreciation	2018	Green Energy	National	Dean of Students Iit Madras
3	Global Achievers Award	2019	Energy and Science Heritage	International	General Secretary Iioh Kolkata
4	Rastriya Seva Ratna Award	2020	Energy and Transportation	International	General Secretary Iioh Kolkata
5	Sir CV Raman Memorial Award	2020	Energy and Environment	International	General Secretary Iioh Kolkata
6	Hony Doctor of Humanities Award	2020	Humanities and Science Heritage	International	Controller Iioh Kolkata
7	Research Excellence Award	2020	Energy and Transportation	National	Director Institute of Scholars
8	Science Championship Merit Certificate	2020	National Essay Championship Iisf Diplomacy	National	Director General Csir an Dst
9	Already Top Fan Diamond Badge	2021	Energy Transportation And Science	National	Principal Scientific Advisor to Goi
10	Hony Doctorate Award	2021	Environment and Sustainable Development	National	Internation Al Chairman Whrpc
11	Science Excellence	2021	Askm Innovations	International	University of Technology and Applied Sciences Oman

S. No.	Award Name	Year of Award	Field	Type of Award	Award Authority
12	Research Excellence	2021	Askm Innovations	International	University of Technology and Applied Sciences Oman
13	Citation of Honor	2021	Askm Innovations	International	University of Technology and Applied Sciences Oman
14	Distinguished Scientist	2021	Askm Innovations	International	University of Technology and Applied Sciences Oman
15	Change Maker	2022	Govt Discussion Group	National	Citizens Centric Platform Goi
16	Climate Champion	2023	Environment And Climate Change	National	Ministry of Environment Forest and Climate Change, Goi.
17	Honorary Doctorate in Peace and Sustainable Development Goals	2023	Peace	National	World Peace Institute of United Nations.
18	Honorary Doctorate in Peace and Sustainable Energy for All	2024	Peace & Energy	International	World Culture & Environment Protection Commission



CERTIFICATE

OF EDUCATION EXCELLENCE

is proudly awarded to

Mr. Harihara Reddy

In recognition of their outstanding contributions to the field of education, unwavering commitment to academic excellence & innovative practices.

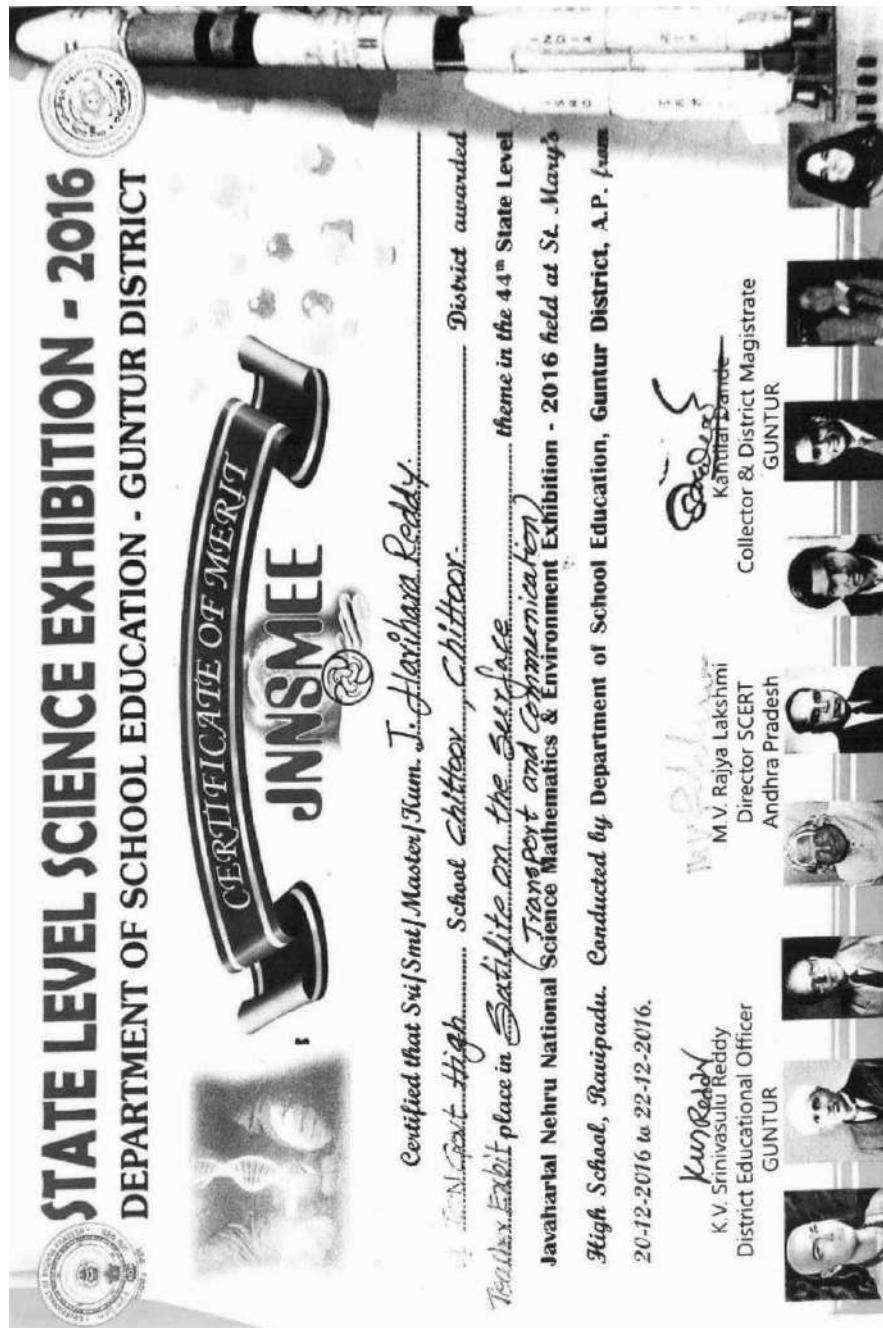
A handwritten signature in black ink that reads 'Suvidha Kannan'.

Suvidha Kannan
Director, GEC

An initiative by
GEC
Global Edu Crew



DISTRICT/STATE AWARDS







Ministry of Rural Development

Ministry of Rural Development, Govt. of India, Rajendranagar, Hyderabad - 500 030

Centre for Innovations and Appropriate Technologies

Rural Technology Park



RISC-2018

Certificate of Participation

This is to certify that
J. HARRI HARRA REDDY
of TIRUPATHI, ANDHRA PRADESH
participated in **Rural Innovators Startup Conclave (RISC-2018)** held during 30th - 31st August, 2018 at NIRD&PR, Hyderabad.
We appreciate his / her participation and for exhibiting JDEA : A DESIGN FOR TOMORROW INDIA ©
INNOVATOR SPOTLITE.

Smt. Radhika Raostogi, I.A.S.
Deputy Director General



Dr. W. R. Reddy, I.A.S.,
Director General



UNIVERSITY OF AGRICULTURAL SCIENCES | INDIAN SCIENCE CONGRESS ASSOCIATION
BANGALORE | KOLKATA



107th INDIAN SCIENCE CONGRESS

Science & Technology: Rural Development

3-7 January, 2020

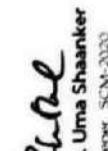
• Certificate •

J. Harihara Reddy, Tirupathi

This is to certify that Dr. J. Harihara Reddy has participated and presented Oral / Poster Paper in the **Science Communicators' Meet - 2020** held from 5-6 January, 2020 during the **107th Indian Science Congress** held at University of Agricultural Sciences, GKVK, Bengaluru.


Dr. Anoop Kumar Jain
General Secretary (Scientific Activities)


Dr. Akhilesh Gupta
Head, NISTC, DST, Gol


Prof. R. Uma Shaanker
Convenor, SCM-2020



CERTIFICATE OF APPRECIATION



iitmadas

This is to certify that Mr/Ms

J HARSHARA REDDY

from

has secured second position in

CASE STUDY COMPETITION, GREEN ENERGY SUMMIT

at Shastra 2018, IIT Madras

— Ramprashanth M
Co-Curricular Affairs Secretary
IIT Madras

— Prof. M. S. Sivakumar
Dean of Students
IIT Madras

— Dr. A. Arockiarajan
Advisor, Co-Curricular Affairs
IIT Madras





ESTD-1975

INDIAN INSTITUTE OF ORIENTAL HERITAGE

An International Institute of Oriental Studies and Research

Institute : 16, SAILENDRA KRISHNA DEB ROAD, KOLKATA-700048

Campus : 8, ASHUTOSH SEAL LANE, KOLKATA-700099

SERIAL NO. :IOH/01/19



CERTIFICATE FOR GLOBAL ACHIEVERS AWARD

Recognition of his pioneering leadership and patronage to the cause of International development and having indigenous role in many tributaries for the propagation, modernisation and popularisation of all the branches, Indian Institute of Oriental Heritage takes the pleasure in conferring this **Global Achievers Award** to **Mr. J. Harisharareddy, Tirupati, Andhra Pradesh** on the occasion of the 42nd Annual International Conference on Oriental Heritage at Shree Adya Karyanvi Shakthipeeth Auditorium, Chhatarpur, Mehrauli, New Delhi on this Ninth day of March, Two Thousand and Nineteen. We wish he would dedicate whole-heartedly to highlight this branch of ancient knowledge for the all round progress of the globe.

Gopu Sastri
Prof. Dr. Gopu Sastri
President
Indian Institute of Oriental Heritage

Amal Krishna Sastri
Dr. Amal Krishna Sastri
General Secretary
Indian Institute of Oriental Heritage

Ramkrishna Sastri
Dr. Rabindranath Bhattacharya
Vice President
Indian Institute of Oriental Heritage

Ramkrishna Sastri
Prof. Dr. Ramkrishna Sastri
Chairman
Indian Institute of Oriental Heritage

ESTD-1975

INDIAN INSTITUTE OF ORIENTAL HERITAGE

An International Institute of Oriental Studies and Research

Institute : 16, SAILENDRA KRISHNA DEB ROAD, KOLKATA-700048

Campus : 8, ASHUTOSH SEAL LANE, KOLKATA-700009

SERIAL NO. :IOH/02/20



CERTIFICATE FOR RASHTRIYA SEVA RATNA AWARD

In recognition of his high scholastic order and patronage to the cause of research and development in the study of many tributaries of Oriental Learning such as Literature, Language, Art & Culture for the propagation, modernisation and popularisation of all branches of ancient knowledge, linked in a befitting manner with modern perspectives, Indian Institute of Oriental Heritage takes the pleasure in conferring this **Rashtriya Seva Ratna Award** to **Dr. J. Harishareddy, Tuluvi, andhra Pradesh** occasion of the 43rd Annual International Conference on Oriental Heritage at **Rabindra Bhavan Auditorium, Taram Num Road, Kolkata-700** on this Seventh day of February, Two Thousand and Twenty. We wish he would dedicate whole-heartedly to highlight this branch of ancient knowledge for all round progress of the globe.

Govind Sankar

Prof. Dr. Gopala Sastry
President
Indian Institute of Oriental Heritage

Amal Krishna Sastry

Dr. Amal Krishna Sastry
General Secretary
Indian Institute of Oriental Heritage

Ramkrishna Sastry

Prof. Dr. Ramkrishna Sastry
Chairman
Indian Institute of Oriental Heritage



ESTD-1975

INDIAN INSTITUTE OF ORIENTAL HERITAGE

An Open University of Oriental Studies and Research

Institute : 16, SAILENDRA KRISHNA DEB ROAD, KOLKATA-700048

Campus : 8, ASHUTOSH SEAL LANE, KOLKATA-700009



SERIAL NO. -HON/01/20

CERTIFICATE FOR HONY. DOCTOR OF HUMANITIES

In recognition of his meritorious services to the cause of research and development and also in consideration of his selfless devotion for the propagation, modernisation and popularisation of this branch of ancient Indian knowledge including ancient scientific inventions, Indian Institute of Oriental Heritage takes the pleasure in conferring this Hony. Doctor of Humanities with Science Heritage on Mr. J. Hariharreddy, Tirupati, Andhra Pradesh on the occasion of the 43rd Annual International Conference on Oriental Heritage at Rabindra Bhavan Auditorium, Dum Dum Road, Kolkata-700079 on this Seventh day of February Two Thousand and Twenty. We wish him all round success in life.

Gopur Sastri
Prof. Dr. Gopur Sastri
Registrar

Amal Krishna Sastri
Dr. Amal Krishna Sastri
Controller

Ramkrishna Sastri
Prof. Dr. Ramkrishna Sastri
Vice-Chancellor



ESTD-1975

INDIAN INSTITUTE OF ORIENTAL HERITAGE

SERIAL NO. -IOH022/20



An International Institute of Oriental Studies and Research
Institute : 16, SAILENDRA KRISHNA DEB ROAD, KOLKATA-700048
Campus : 8, ASHUTOSH SEAL LANE, KOLKATA-700009



CERTIFICATE FOR DR. C. V. RAMAN MEMORIAL AWARD

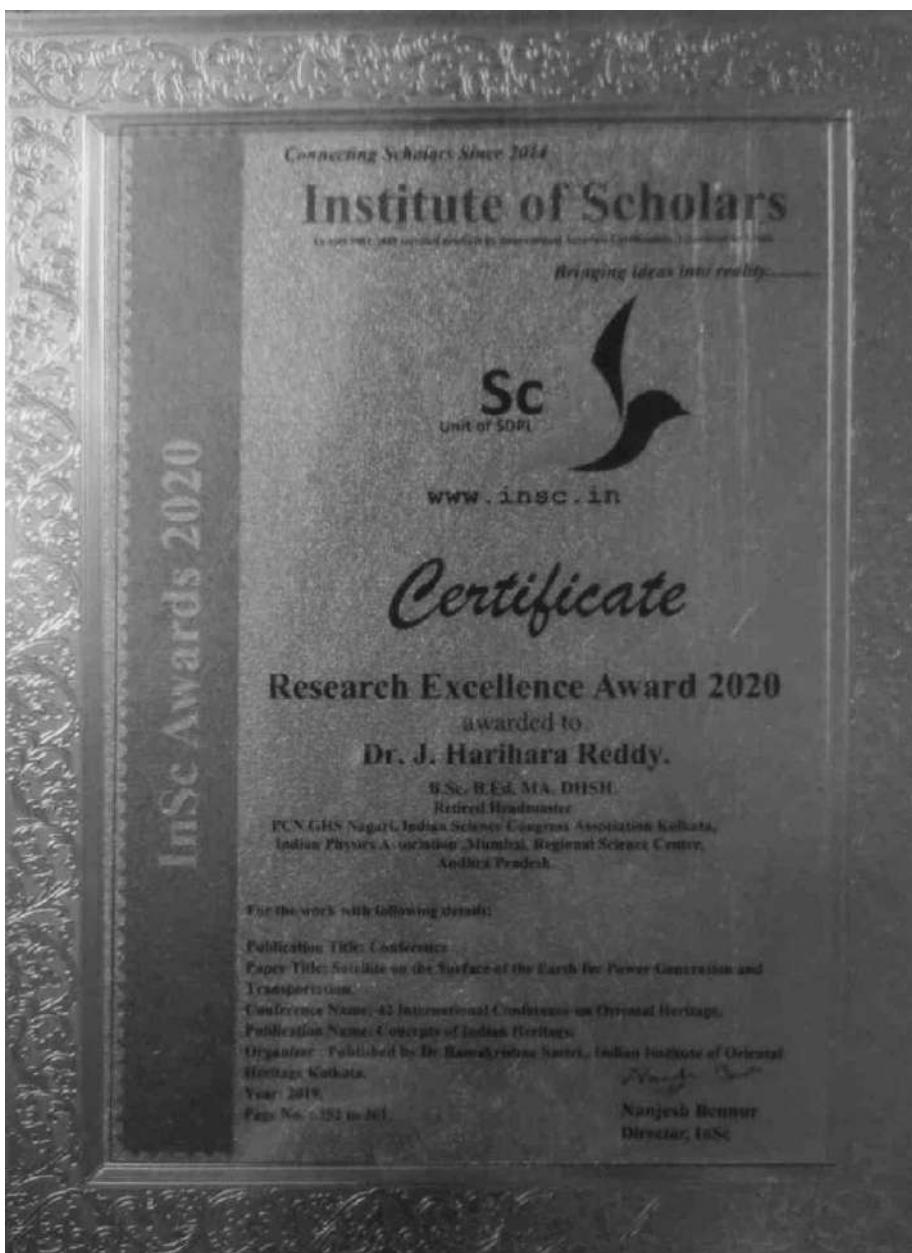
In recognition of his high scholastic order and patronage to the cause of research and development in the study of many tributaries of Oriental Learning such as Literature, Language, Art and Culture, Science & Technology for the propagation, modernisation and popularisation of all branches of ancient knowledge, linked in a befitting manner with modern perspectives, Indian Institute of Oriental Heritage takes the pleasure in conferring this Dr. C. V. Raman Memorial Award on Mr. J. Hariharareddy, *Trupati, Andhra Pradesh* on the occasion of the 43rd Annual International Conference on Oriental Heritage at Rabindra Bhavan Auditorium, Dum Dum Road, Kolkata-74 on this Seventh day of February, Two Thousand and Twenty. We wish he would dedicate whole-heartedly to highlight this branch of ancient knowledge for all round progress of the globe.

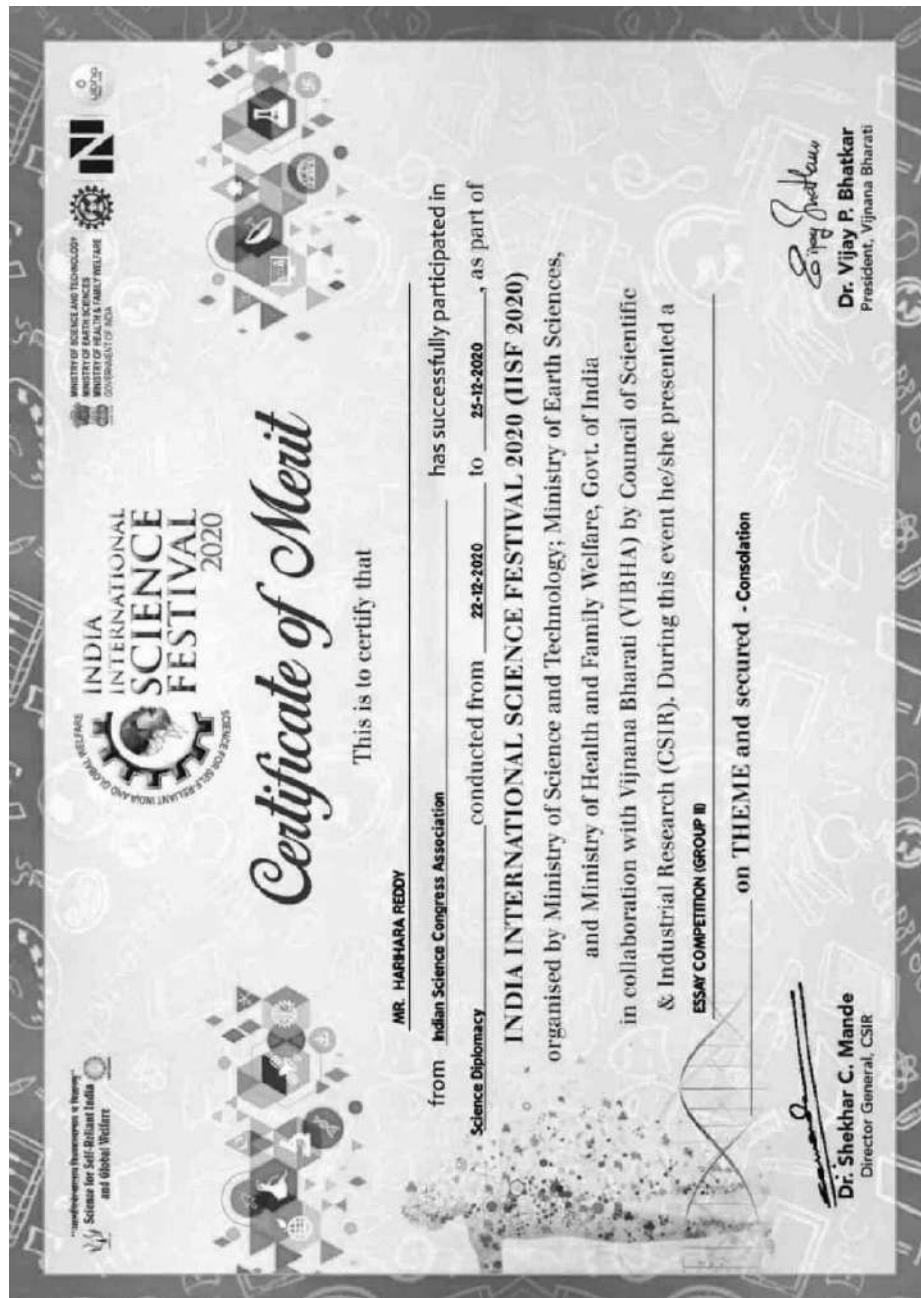
For Secretary
Prof. Dr. Gopal Sastri
President
Indian Institute of Oriental Heritage

For General Secretary
Dr. Amal Krishna Sastri
General Secretary
Indian Institute of Oriental Heritage

Rankholder Se44
Prof. Dr. Ramkrishna Sastri
Chairman
Indian Institute of Oriental Heritage







1:30 PM | 0.0KB/s

4G

80



Subject: Fwd: National Merit Award Certificate
To: Jahnavi J <jahnavi.jr@gmail.com>

----- Forwarded message -----

From: Harihara Reddy <hariharareddyjeepalem@gmail.com>
Date: Wed, 13 Jan, 2021, 3:21 PM
Subject: Fwd: National Merit Award Certificate
To: Hrudai Deepthi <hrudaideepthi.j@gmail.com>

----- Forwarded message -----

From: Science Diplomacy IISF <diplomacy@scienceindiafest.org>
Date: Wed, 13 Jan, 2021, 12:09 PM
Subject: National Merit Award Certificate
To: Harihara Reddy <hariharareddyjeepalem@gmail.com>

Dear Mr. Harihara,

Thank you for participating in the 'National Essay Championship', held under the event Science Diplomacy of IISF-2020.

Attached herewith is your merit certificate.

Best,
 Team Science Diplomacy



5:19 PM | 0.0KB/s

Bluetooth, Wi-Fi, Signal, 4G, 47%

Home | Video | Profile | Notifications | More

 **CUPS - Cambridge University Physics Society** posted in **Prof Chris Jarzynski - Scaling Down the Laws ...** 4 Feb at 12:26 AM

 There's a popular post you may have missed from **Vice President of India: "Shri Cyrus S. Poonawalla, Chairman...** 2 Feb at 4:13 PM

 You've been recognized as one of **Nirmala Sitharaman's Top Fans** this week! 28 Jan at 8:23 PM

 **Ministry of Health and Family Welfare, Government of India** has an update in **Coronavirus (COVID-19) I...** 28 Jan at 11:02 AM

 **Bhakti Sagar** posted a new music video: "Badhe Chalo Ae Sher Jawano, Bharat Maa Ki Raksha Ko Jo (From " 27 Jan at 11:53 AM

 **Ministry of Jal Shakti, Department of Water Resources, RD & GR** was live: "Watch Live... 26 Jan at 12:51 PM

 **Indian Association for the Cultivation of Science** was live: "Republic day 2021". 26 Jan at 10:49 AM

 Your request to join **Climate change,...** has been approved. Now

9:11 AM | 0.7KB/s



Notifications



11 Feb at 3:24 AM

**ASU Institute for Humanities**

Research added 2 events that might interest you.

...

8 Feb at 9:38 PM

**CUPS - Cambridge University Physics**

Society posted in Prof Chris

Jarzynski - Scaling Down the Laws ...

...

4 Feb at 12:26 AM

**Yidan Prize** added an event that might

interest you.

...

3 Feb at 4:04 PM



You've been recognized as one of

Principal Scientific Adviser to GoI's Top Fans this week!

...

2 Feb at 8:33 PM



There's a popular post you may have

missed from **Vice President of India:**

"Shri Cyrus S. Poonawalla, Chairman...

...

2 Feb at 4:13 PM



You've been recognized as one of

Rajnath Singh Lucknow's Top Fans this week!

...

29 Jan at 6:32 PM



You've been recognized as one of

MyGov Corona Hub's Top Fans this week!

...

25 Jan at 3:52 PM





**Thank you for participating
in**

**"Poster Making Contest
for Road Safety -
Preventing the loss of
lives"**

Your submission has been
received and it will be moderated
soon.

Blog.MyGov.in

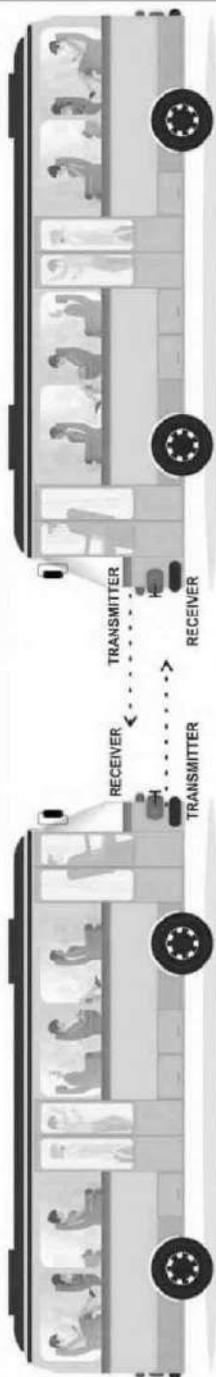
Congrats! Here's what you've just received

**100
Points**

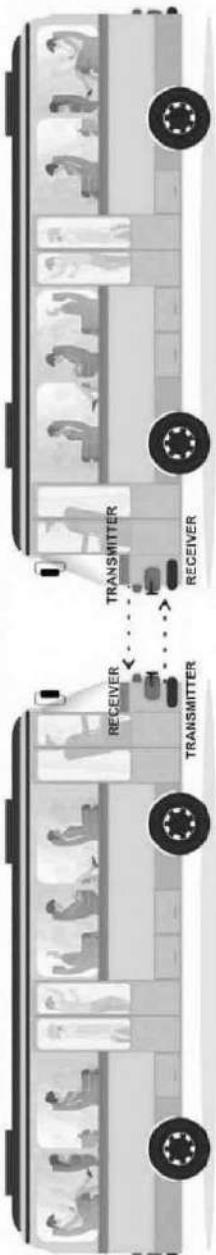


ROAD SAFETY PRECAUTIONS POSTER

100 METERS - ALARM



50 METERS - AUTOMATIC BRAKES APPLICATION



NO DISTANCE - MECHANICAL BRAKES



J. HARIHARA REDDY
Design & Development Services, Telangana



my
GOV
मेरी सरकार

Great
Governance
with Your
Partnership

mygov.in

NATIONAL CONFERENCE
on Integrating Inspiring Stories of
MANN KI BAAT
IN EDUCATION

This Certificate is presented to

J HARIHARA REDDY

Retired Headmaster, Regional Science Center, Andhra Pradesh,

for participating in

National Conference on Integrating Inspiring Stories of "Mann Ki Baat" in Education
scheduled on Thursday, 4th March, 2021

KNOWFELLING
Solutions

CALOREX
Shaping Global Learners



Virendra Rawat
Director, Green Mentors

On Thu, 4 Mar, 2021, 3:58 PM Nannuri Upenderreddy,
<nupender@gmail.com> wrote:

Ok will do .I appreciate your committed efforts for knowledge production and innovative spirit .iam reading your innovations.we are proud you being our teacher community. So far no information about your practices otherwise we would have engaged you in our curricular reform debates and textbook writing exercises regards

SCIENCE TECHNOLOGY AND INNOVATION POLICY FOR PUBLIC (EXPERTS)
CONSULTATION

AUTHOR

DR J HARIHARA REDDY

19/3/1-B-1 Srinivasapuram

Kengunta Reddy

Thirupath 517501

hariharareddyjeepalem@gmail.com



SCIENCE TE...POLICY.pdf



Dr. Harsh Vardhan 16 Jan
to me ↗

This would be examined and studied

From: hariharareddyjeepalem@gmail.com
To: "Dr. Harsh Vardhan" <dr.harshvardhan@sansad.nic.in>
Sent: Saturday, January 16, 2021 7:44:04 AM
Subject: SCIENCE TECHNOLOGY AND INNOVATION
 POLICY.pdf submission regarding



3:03 PM | 0.0KB/s

4G+ 29



**Thank you for participating
in**

**“WRITE A SLOGAN ON
ROAD SAFETY - SAVE
LIVES”**

Your submission has been
received and it will be moderated
soon.

Blog.MyGov.in

Congrats! Here's what you've just received

**100
Points**

1:21 PM | 0.0KB/s

63

Home     

Notifications

Earlier

 You've been recognized as one of **Governor of Andhra Pradesh's Top Fans** this week! 
8 hours ago

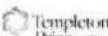
 **Dr. Harsh Vardhan** posted a new video: "#GoM Meeting" 
...
Yesterday at 2:07 PM

 You've been recognized as one of **Nitin Gadkari's Top Fans** this week! 
15 May at 6:30 AM

 **Prahlad Singh Patel** was live: "LIVE: PM Shri Narendra Modi releases 8th instalment of financial benef...". 
14 May at 11:05 AM

 **Goldman Environmental Prize** added a photo in **2021 Goldman Environmental Prize Virtual Ceremo...** 
13 May at 4:26 AM

 You've been recognized as one of **Governor of Andhra Pradesh's Top Fans** this week! 
12 May at 4:44 AM

  **The Templeton Prize** likes your post on their timeline: "Happy to know about Templeton prize". 
4 May at 8:26 PM

2:31 PM | 0.2KB/s

Bluetooth Wi-Fi 4G 51



Notifications



New



Nehru Science Centre Mumbai was live.

3 hours ago



You've been recognized as one of **University for Peace**'s top fans. Get your badge now.

6 hours ago

People You May Know

[Hide](#)

Shivaprasad Khened

Rsctirupati Tirupati and 13 other mutual friends

[Add Friend](#)[Remove](#)

Gaurav Gupta

Friend suggestion

[Add Friend](#)[Remove](#)[See All](#)

Earlier



Anjani Desaraju added a photo in

నమ్ర - నవ్యంచు on Saturday:

"సరదాసరదాగా 😂😂".

12 hours ago



...



Nakul Patil likes your post on **World**

...







ASKM Innovations

ASKM INNOVATIONS

New age innovations

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[Contact us](#)

Menu

Awards

[ASKMi Innovation Awards-2021](#)

Call for Nomination

Greetings from ASKM Innovations.

ASKM Innovations is a global Research and Development organization,

MSME – Ministry of Micro, Small and Medium Enterprises, Govt. of India.

ISO 9001: 2015 certified organization.

[Phase-1 Achievers- List \(Click here\)](#)

Last Date for Phase-2 Nomination: 15th October 2021

ASKMi™

Innovation Award-2021

Citation of Honour

Presented

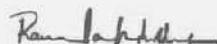
to



Shri. Dr. Harihara Reddy J

For his enthusiastic teaching process, and his participation in professional, scientific, social and research activities, which is considered as the professional contribution in the field of higher education and scientific development. His ability in leadership and inspiring others are extraordinary. And he stands as an inspiration to the next generation students and leaders.

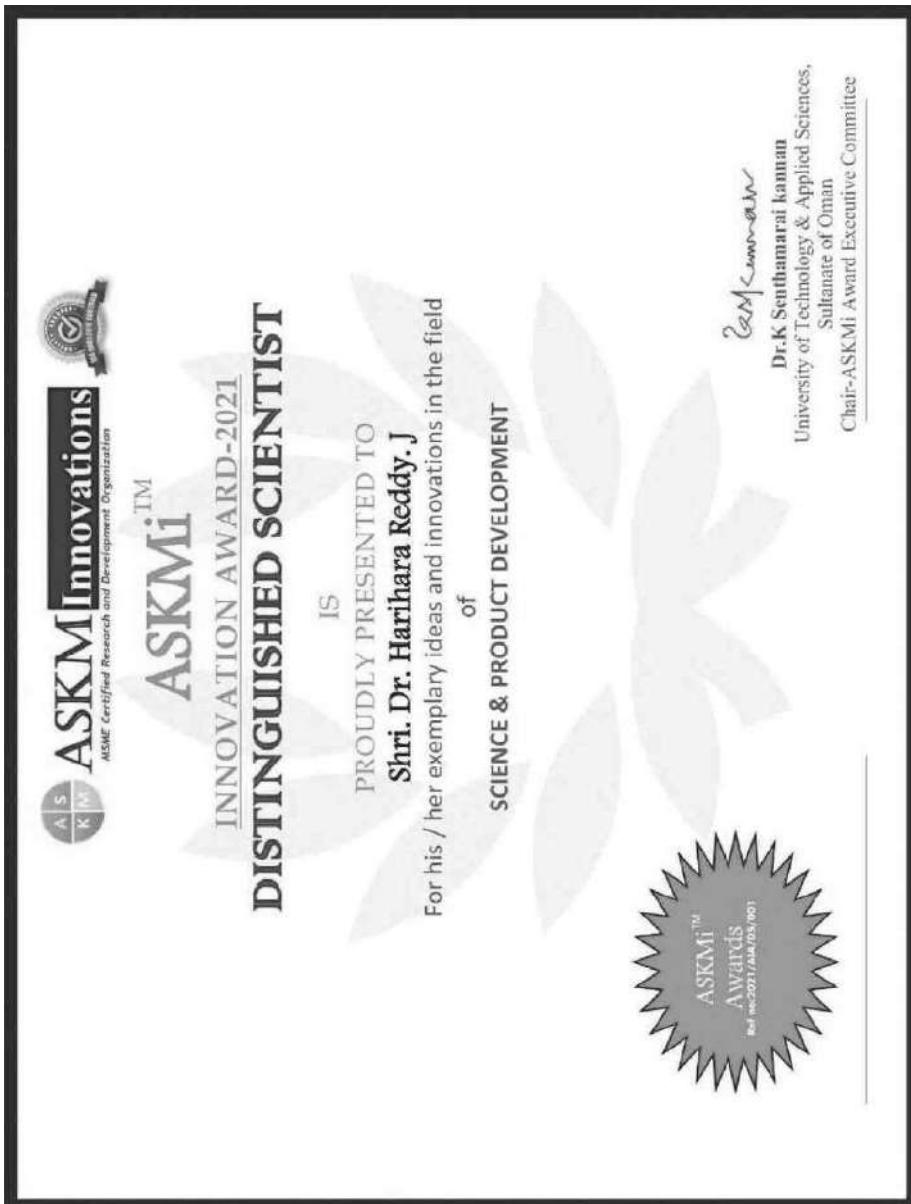
ASKM Innovation congratulate his achievement and wishes him all the best in all his future endeavours.



Ms. Ramalakshmi Narayanan
Founder and CEO, ASKM Innovations



Dr. Senthamarai Kannan
University of Technology & Applied Sciences,
Sultanate of Oman, Chair-ASKMi Award Executive Committee





ASKMiTM
INNOVATION AWARD-2021
EXCELLENCE IN SCIENCE

IS
PROUDLY PRESENTED TO
Shri. Dr. Harihara Reddy. J
For his / her exemplary ideas and innovations in the field
of
SCIENTIFIC DEVELOPMENT & NEW IDEAS



Carly L. Moore

Dr.K Senthamarai Kannan
University of Technology & Applied Sciences,
Sultanate of Oman
Chair-ASKMi Award Executive Committee





ASKMTM

INNOVATION AWARD-2021

Name of Awardee	Awards	Photo	Award Reference Number
Shri Jagann Mohan Rao Borela	ASKM Innovation Award-Distinguished Artist		Ref no:2021/AIA/DA/001
Shri. Dr. Harshara Reddy, J	ASKM Innovation Award-Distinguished Scientist		Ref no:2021/AIA/ADS/001
Shri. DEBDOOT MUKHERJEE	ASKM Innovation Award-Excellence in Teaching		Ref no:2021/AIA/ET/001



ASKMiTM

INNOVATION AWARD-2021

Smt. JRAVEEN BHARDWAJ

ASKMi Innovation Award-Innovative Project

Ref.no.2021/AAIIP-002



Smt. Haritha Reddy, J

ASKMi Innovation Award-Excellence in Science

Ref.no.2021/AAIES-001



Smt. Haritha Reddy, J

ASKMi Innovation Award-Research Excellence

Ref.no.2021/AAIRE-005





Environmental Information System-Resource Partner

(Ministry of Environment Forest & Climate Change, Govt. of India)

Indian Institute of Tropical Meteorology,
Pune

Certificate

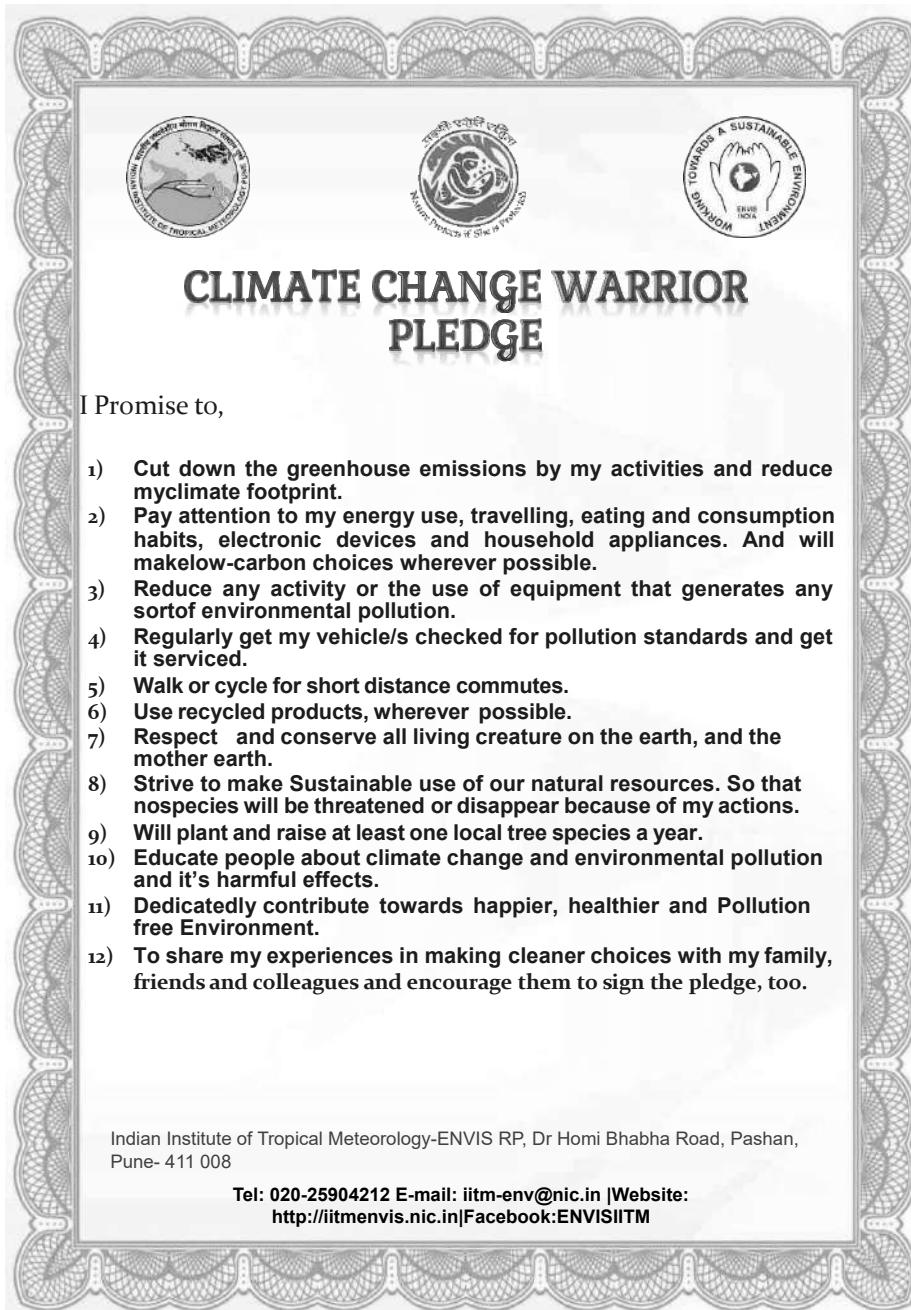
MR./MS. DR . J HARIHARA REDDY

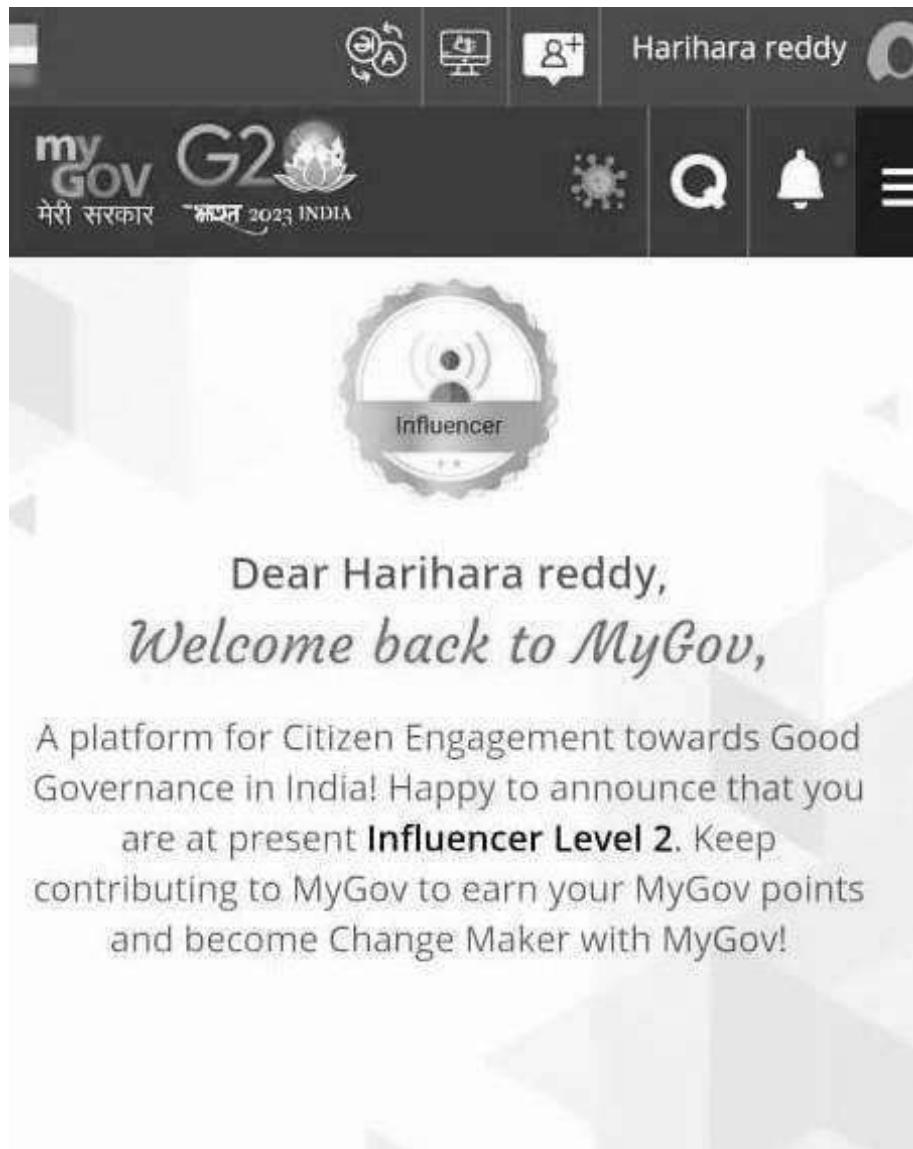
*had taken the "Climate Change Warrior **Pledge**" of IITM-ENVIS as part of Climate Change and Atmospheric pollution awareness campaign that he/she will conserve nature, reduce footprint over environment and follow sustainable way of living in all walks of life.*

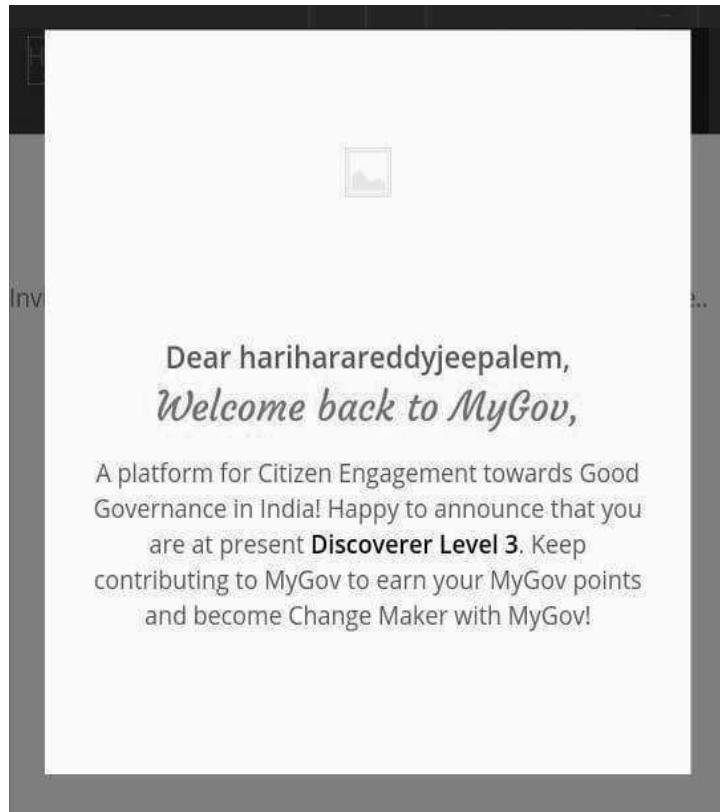


**SAMIR
DHAPARE
Program
Officer**

(Secured to
Pledgee)

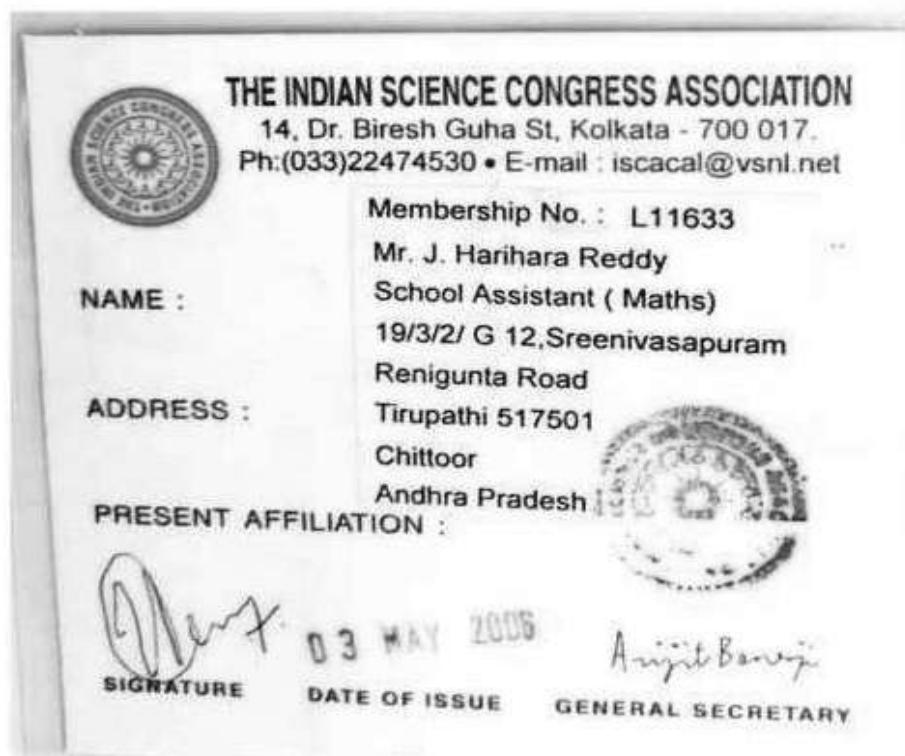
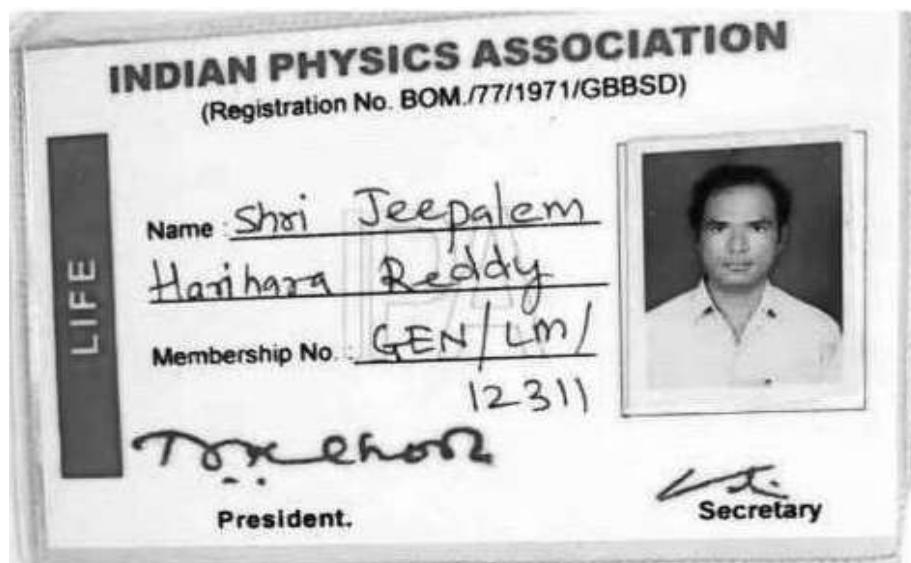






Let us make Nature and Humans as strong friends.

Nature Human friendship Zindabad .



Membership No. M-0489



Geological Society of India

Certificate

This is to certify that Mr. J. Harihara Reddy has been admitted as a Member of the Geological Society of India in testimony of which this scroll is presented.



Harsh R. Gupta
President

Date: 21.11.2023



N. Rajendran
Secretary General
Geological Society of India



now.

25-Dec-2023



🎉 Yippee! You're on a streak for holding on to your top fan badge for **Dr Jitendra Singh**

...

24-Dec-2023



🎉 Yippee! You're on a streak for holding on to your top fan badge for **Dr Jitendra Singh**

...

24-Dec-2023



You've earned a top fan badge for **Gracious Munkombwe** and can accept it now.

...

20-Dec-2023



You've earned a top fan badge for **Smriti Zubin Irani** and can accept it now.

...

20-Dec-2023



🎉 Yippee! You're on a streak for holding on to your top fan badge for **Ashutosh Sharma**

...

15-Dec-2023



You've earned a top fan badge for **Smriti Zubin Irani** and can accept it now.

...

12-Dec-2023



You've earned a top fan badge for **Connect4Climate** and can accept it now.

...



You're on a streak!



You've been consistently engaging with **Dr Jitendra Singh** and have held on to your top fan badge.

Top fan badges can help you get recognized for your support and are re-evaluated weekly. Keep up your engagement to hold on to yours.

[View all top fans](#)

9:11 AM | 0.7KB/s

Notifications

11 Feb at 3:24 AM

 **ASU Institute for Humanities Research** added 2 events that might interest you.

8 Feb at 9:38 PM

 **CUPS - Cambridge University Physics Society** posted in **Prof Chris Jarzynski - Scaling Down the Laws ...**

4 Feb at 12:26 AM

 **Yidan Prize** added an event that might interest you.

3 Feb at 4:04 PM

 You've been recognized as one of **Principal Scientific Adviser to GoI's** Top Fans this week!

2 Feb at 8:33 PM

 There's a popular post you may have missed from **Vice President of India: "Shri Cyrus S. Poonawalla, Chairman...**

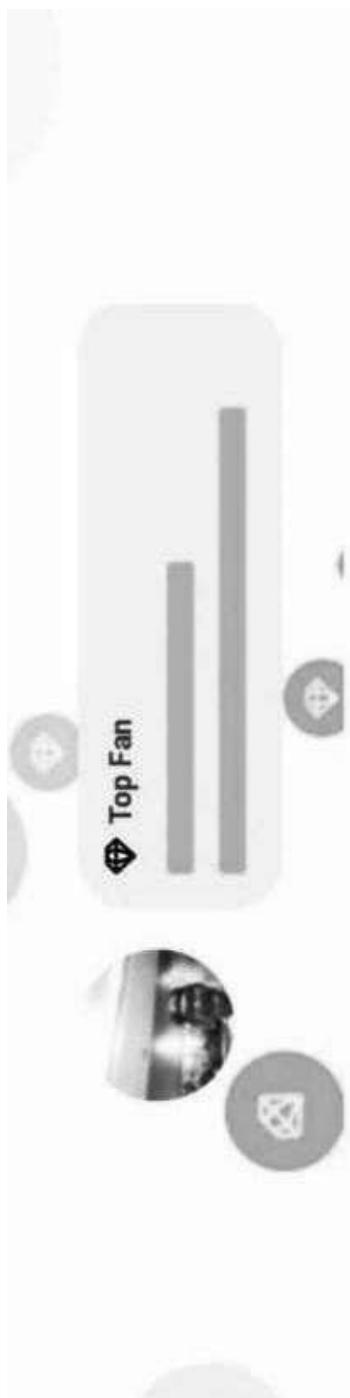
2 Feb at 4:13 PM

 You've been recognized as one of **Rajnath Singh Lucknow's** Top Fans this week!

29 Jan at 6:32 PM

 You've been recognized as one of **MyGov Corona Hub's** Top Fans this week!

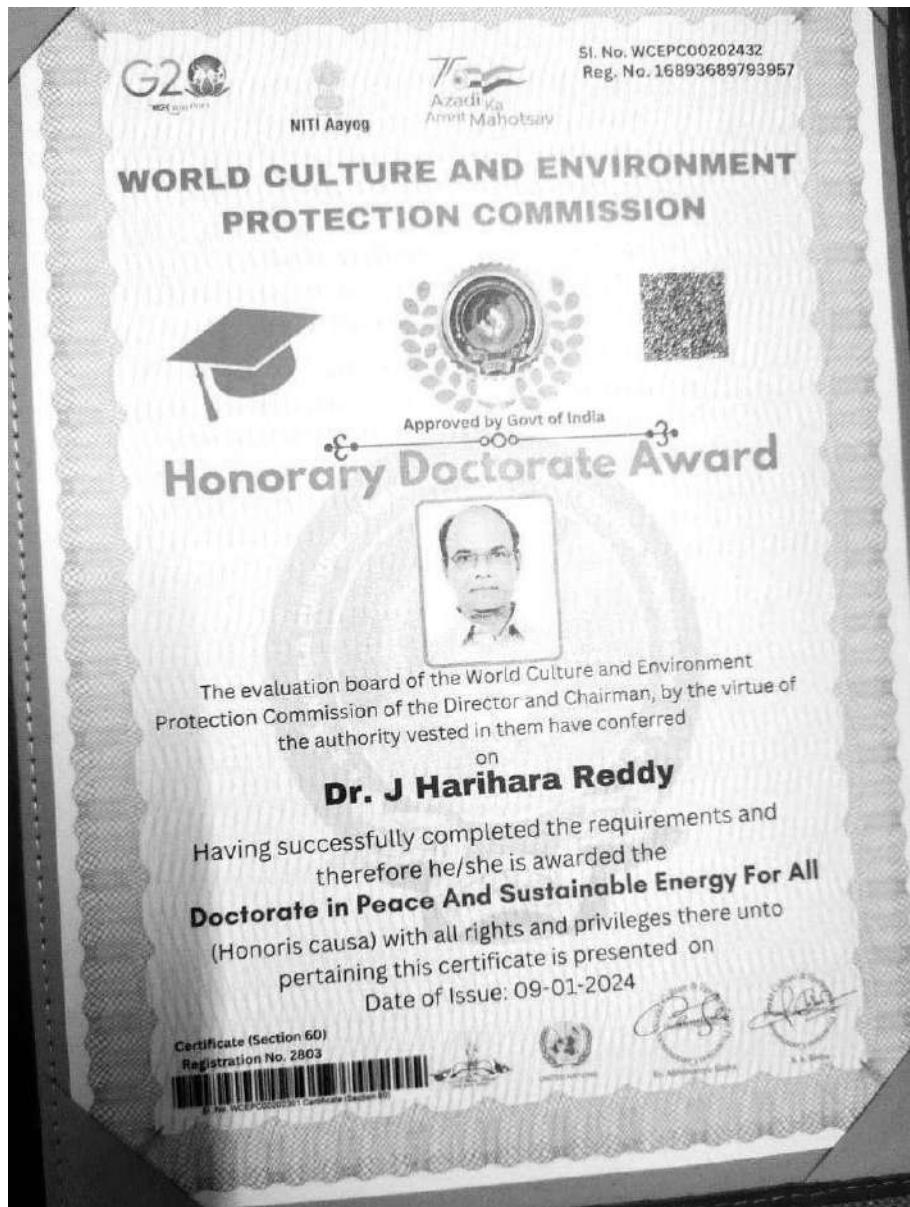
25 Jan at 3:52 PM



You're Already a Top Fan

Nice work! Your top fan badge is already being displayed publicly. Top Fans update weekly, so stay active on this Page to keep your badge.

[See the Community](#)









MEMORIES
JAN 22, 2020





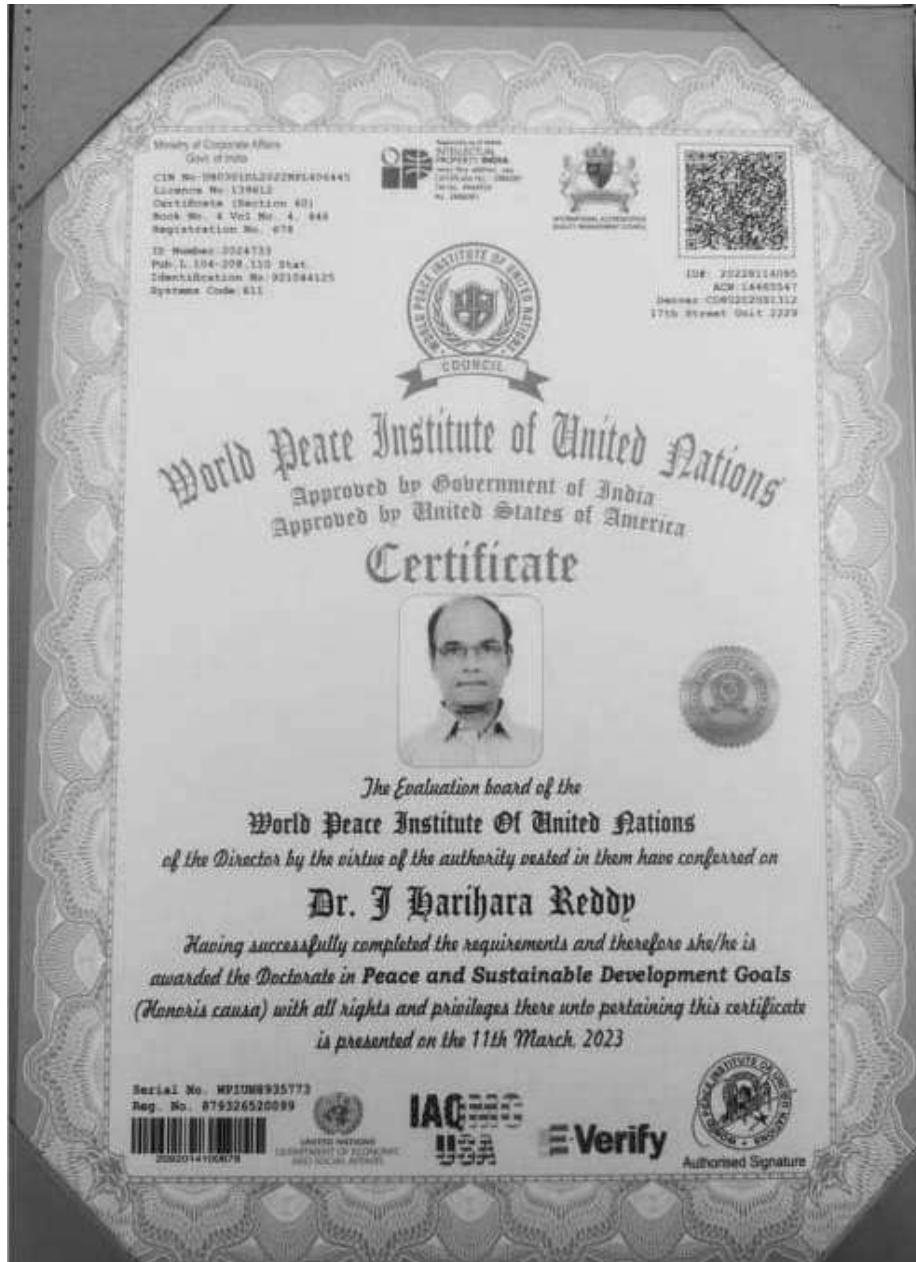


**WEATHER - CLIMATE
POEM FOR INTERNATIONAL SCIENCE DAY 10th November**

Nature is a good teacher
Always learn from our good teacher
Train to know our environment
Understand our ecology and environment
Read for protect our climate
Enjoy life in our good climate

What, How is weather
Earth is in bad /good weather
Atmosphere is dis / pleasant
That man can live dis /pleasant
High temperature is due to man
Either cold or hot is by man
Read for our nature

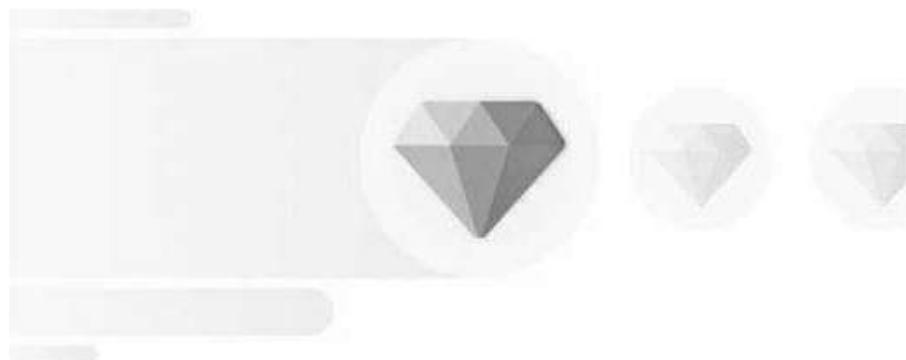
Control our desires for our nature
Learn to earn good
Innovate new for good
Moon make us happy
Atmosphere keep us healthy
Train our mind for nation
Eligible to live in our nation



-  **Kishan Reddy Gangapuram**
9d
-  **Yippee! You're on a streak for holding on to your top fan badge for Smriti Zubin Irani** ...
9d
-  **Yippee! You're on a streak for holding on to your top fan badge for Kishan Reddy Gangapuram** ...
9d
-  **Yippee! You're on a streak for holding on to your top fan badge for Smriti Zubin Irani** ...
9d
-  **Yippee! You're on a streak for holding on to your top fan badge for Ministry of Environment, Forest & Climate Change** ...
9d
-  **Yippee! You're on a streak for holding on to your top fan badge for Ashutosh Sharma** ...
9d
-  **Yippee! You're on a streak for holding on to your top fan badge for Prahlad Singh Patel** ...
11d
-  **Yippee! You're on a streak for holding on to your top fan badge for Prahlad Singh Patel** ...
11d

7:54 AM | 0.1KB/s

4G+ 75%



You're on a streak!



You've been consistently engaging with
Ministry of Environment, Forest & Climate Change
and have held on to your top fan badge.

Top fan badges can help you get
recognized for your support and are
re-evaluated weekly. Keep up your
engagement to hold on to yours.

- 12:00 PM | 0.1KB/s 22d
- Yippee! You're on a streak for holding on to your top fan badge for Ashutosh Sharma litk 22d
- Yippee! You're on a streak for holding on to your top fan badge for Prahlad Singh Patel 24d
- Yippee! You're on a streak for holding on to your top fan badge for Prahlad Singh Patel 24d
- Yippee! You're on a streak for holding on to your top fan badge for Vice President of India 35d
- Yippee! You're on a streak for holding on to your top fan badge for Vice President of India 35d
- Yippee! You're on a streak for holding on to your top fan badge for UNESCO MGIEP 47d
- Yippee! You're on a streak for holding on to your top fan badge for Ashutosh Sharma litk 49d
- Yippee! You're on a streak for holding on to your top fan badge for Smriti Zubin Irani

12:09 PM | 3.8KB/s   •

     81%



You're on a streak! 

You've been consistently engaging with **Ashutosh Sharma litk** and have held on to your top fan badge.

Top fan badges can help you get recognized for your support and are re-evaluated weekly. Keep up your engagement to hold on to yours.

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11:59 AM | 0.0KB/s 🔍 🔍

Bluetooth 4G+ 83%



🎉 Yippee! You're on a streak for holding on to your top fan badge for నవ భారత నిర్మాత నరేంద్ర మోదీ

14d

...



🎉 Yippee! You're on a streak for holding on to your top fan badge for UNESCO MGIEP

20d

...



🎉 Yippee! You're on a streak for holding on to your top fan badge for UNESCO MGIEP

20d

...



🎉 Yippee! You're on a streak for holding on to your top fan badge for Kishan Reddy Gangapuram

22d

...



🎉 Yippee! You're on a streak for holding on to your top fan badge for Smriti Zubin Irani

22d

...



🎉 Yippee! You're on a streak for holding on to your top fan badge for Smriti Zubin Irani

22d

...



🎉 Yippee! You're on a streak for holding on to your top fan badge for Kishan Reddy Gangapuram

22d

...

12:11 PM | 4.1KB/s  

   80%



You're on a streak! 

You've been consistently engaging with **సహారత నిర్మాత నరేంద్ర మోది** and have held on to your top fan badge.

Top fan badges can help you get recognized for your support and are re-evaluated weekly. Keep up your engagement to hold on to yours.

Share your recognition

View all top fans

11:59 AM | 0.0KB/s

4G+ 83



Yippee! You're on a streak for holding on to your top fan badge for నవ భారత నిర్మాత నరేంద్ర మోదీ

14d

...



Yippee! You're on a streak for holding on to your top fan badge for UNESCO MGIEP

20d

...



Yippee! You're on a streak for holding on to your top fan badge for UNESCO MGIEP

20d

...



Yippee! You're on a streak for holding on to your top fan badge for Kishan Reddy Gangapuram

22d

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Yippee! You're on a streak for holding on to your top fan badge for Smriti Zubin Irani

22d

...



Yippee! You're on a streak for holding on to your top fan badge for Smriti Zubin Irani

22d

...



Yippee! You're on a streak for holding on to your top fan badge for Kishan Reddy Gangapuram

22d

...



You're on a streak!



You've been consistently engaging with **Kishan Reddy Gangapuram** and have held on to your top fan badge.

Top fan badges can help you get recognized for your support and are re-evaluated weekly. Keep up your engagement to hold on to yours.

[View all top fans](#)



- 11:59 AM | 0.0KB/s 4G 83
-  Yippee! You're on a streak for holding on to your top fan badge for నవ భారత నిర్మాణ నరేంద్ర మోహన్
14d
-  Yippee! You're on a streak for holding on to your top fan badge for UNESCO MGIEP
20d
-  Yippee! You're on a streak for holding on to your top fan badge for UNESCO MGIEP
20d
-  Yippee! You're on a streak for holding on to your top fan badge for Kishan Reddy Gangapuram
22d
-  Yippee! You're on a streak for holding on to your top fan badge for Smriti Zubin Irani
22d
-  Yippee! You're on a streak for holding on to your top fan badge for Smriti Zubin Irani
22d
-  Yippee! You're on a streak for holding on to your top fan badge for Kishan Reddy Gangapuram
22d
-  Yippee! You're on a streak for holding on to your top fan badge for Ministry of Environment, Forest & Climate Change
22d



You're on a streak!

You've been consistently engaging with **UNESCO MGIEP** and have held on to your top fan badge.

Top fan badges can help you get recognized for your support and are re-evaluated weekly. Keep up your engagement to hold on to yours.

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12:00 PM | 0.1KB/s

22d

4G+ 82%



🎉 Yippee! You're on a streak for holding on to your top fan badge for Ashutosh Sharma litk

22d

...



🎉 Yippee! You're on a streak for holding on to your top fan badge for Prahilad Singh Patel

24d

...



🎉 Yippee! You're on a streak for holding on to your top fan badge for Prahilad Singh Patel

24d

...



🎉 Yippee! You're on a streak for holding on to your top fan badge for Vice President of India

35d

...



🎉 Yippee! You're on a streak for holding on to your top fan badge for Vice President of India

35d

...



🎉 Yippee! You're on a streak for holding on to your top fan badge for UNESCO MGIEP

47d

...



🎉 Yippee! You're on a streak for holding on to your top fan badge for Ashutosh Sharma litk

49d

...



🎉 Yippee! You're on a streak for holding on to your top fan badge for Smriti Zubin Irani

...



12:09 PM | 3.9KB/s

4G+ 81%



You're on a streak!

You've been consistently engaging with **Vice President of India** and have held on to your top fan badge.

Top fan badges can help you get recognized for your support and are re-evaluated weekly. Keep up your engagement to hold on to yours.

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View all top fans



← Discuss


Honorable PM ji Namaskar, Removing any traces of the colonial mind set is essential ,we have to live our lives but unfortunately we are following even after 75 years others laws, According to Bhagavad Gita Sloka 3.21 It is far better to discharge one's prescribed duties even though faultily than another's duties perfectly. Destruction in the course of performing one's own duties is better than engaging in another's duties, for to follow another's path is dangerous. This is in our patent laws with prohibitions. Now we have Nature machine theorem the base for removal of colonial mindset traces from our laws 'IF NATURE FORCES BECOME SOURCE(INPUT)AND LESS INTENSITY AREAS (SINK)ARE ARRANGED IN A MACHINE THEN NATURE FORCES ACT ON IT AND MAKE IT AS A PERPETUAL MOTION MACHINE 'This is a final solution for our ancestors initiation in India and complete in India which should be dedicated to India with your voice. please make this possible This gives us energy independence with clean energy.TQ



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Harihara reddy 4 hr. ago


Honorable PM ji Namaskar ,Removing any traces of the colonial mind set is very good step along with the changing the old criminal laws with new laws . Similarly we need to consider the history of patent law in India starts from 1911 when the Indian patents and designs act, 1911 was enacted. The patents act 1970 is the legislation till date govern patents in India It first came into force in 1972 But it is based on colonial mind set not with Indian culture . Lallcharya Bramhagupta and Bhaskaracharya described perpetual motion machines now they are called Indo Persian machines , unfortunately colonial mindset prohibited it in the name of natural laws without defining them .we lost our culture , education methods , and many more with this colonial mind set. These prohibitions kill the innovators innovations and also kill their interest . Innovations are the driving force of nation building . Please consider these facts and delete prohibitions in Indian patent offices and curriculum. TQ

← Discuss



Inviting ideas for Mann Ki Baat by Prime Minister Narendra Modi on 30th June 2024

Start Date: Jun 15, 2024 18:30 PM

Last Date: Jun 28, 2024 18:15 PM IST (GMT +5.30 Hrs)

Hon'ble PM Narendra Modi looks forward to sharing his thoughts on themes and issues that matter to you. Prime Minister invites you to share your ideas



[See Details](#)

All Submissions

My Submissions



Harihara reddy 5 days ago



Honorable PM ji Namaskar, I have started Manki baat with my students in my school from the first episode Now, In this third term I could develop Energy knowledge Manthan and Wheel , Science transformation with this " NATURE MACHINE THEOREM " All India should learn this theorem . A small desire can brighten our world . I would like to make my theorem audible to entire India with your voice , please make this possible .

"NATURE MACHINE THEOREM : If nature forces (input) become source and low intensity areas sink are arranged in a machine then nature forces Gravity and Atmosphere act on it and make it as a Perpetual motion machine "

This is for "Indian modern perpetual motion machines with nature wheels "

These were initiated in India by Lallcharya in 5 th century Bramhagupta Bhaskaracharya and many more Now it is completed . Knowledge shared is knowledge squared , Action delayed is action denied .This can show Indians are KNOWLEDGE leaders Jai vigyan Jai Anusandhan .Jai Bharat, .Tq



4 Like



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[←](#) **Discuss** •  

Newest First  

Inviting ideas for Mann Ki Baat by Prime Minister Narendra Modi on 28th July 2024

Start Date: Jul 09, 2024 11:00 AM
 Last Date: Jul 26, 2024 18:15 PM IST (GMT +5.30 Hrs)

Hon'ble PM Narendra Modi looks forward to sharing his thoughts on themes and issues that matter to you. Prime Minister invites you to share your ideas 

[See Details](#)

All Submissions
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 **Harihara reddy** 17 min. ago 

Honorable PM ji Namaskar, India is now presiding world Cultural heritage activities. It is time to reinstate our ancestors perpetual motion machines and to ignore impossible partial truths, prohibitions based on natural laws which are limited to low grade energy, our ancestors tangible Cultural heritage expressions are related to high grade energy they don't come under prohibitions. Our modern "Nature wheels machine theorem" states that "If nature forces become source input and less intensity areas sink are arranged in a machine then nature forces act on it and make it as a Perpetual motion machine. This theorem will be the base for converting Intangibles (impossibles) to tangible designs and solve our Energy problems. Please dedicate this theorem to India and bring renaissance to our Culture. India is the only nation with wheel on its flag. Lord Brahma Vishnu and Shiva tried for sudarshan chakra and also independently. This proves religious knowledge is base for Science too Jai Anusandhan Tq

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Dear Harihara reddy,
Welcome back to MyGov,

A platform for Citizen Engagement towards Good Governance in India! Happy to announce that you are at present **Change Maker**. Keep contributing to MyGov to earn your MyGov points and become Change Maker with MyGov!



pmkvy skill development franchise >

Public group · 2.5K members

Joined

Invite



You

Photos

Events

Files

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Write something...



Anonymous post



Feeling



Poll



Jeepalem Harihara Reddy

...

Just now ·

Oscillating pendulum can't continue its oscillations due to decrease in its potential energy but not merely due to friction . Friction and inertia always exists on all bodies in rest or in motion . Friction need not be considered while constructing Perpetual motion machines and we have superconductors .am I right sirs .

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Newest First 

Inviting Ideas for Mann Ki Baat by Prime Minister Narendra Modi on 27th October 2024

Start Date: Oct 09, 2024 05:45 AM
Last Date: Oct 25, 2024 23:45 PM IST (GMT +5.30 Hrs)

Hon'ble PM Narendra Modi looks forward to sharing his thoughts on themes and issues that matter to you. Prime Minister invites you to share your ideas 

[See Details](#)

[All Submissions](#) [My Submissions](#)

 Harihara reddy 2 hr. ago 

Honorable PM ji Namaskar, Happy Vijayadashami .we can't survive ourselves without nature and companions support .so first kind of perpetual motion machines. Second kind with nature support possible. Third kind or complete elimination of Friction is not necessary since Friction includes in load . All these satisfy in Nature wheels machine theorem : If nature forces become source input and less intensity areas sink are arranged in a machine then nature forces act on it and make it as a Perpetual motion machine . Indian Intangible cultural heritage expressions can solve carbon emissions and energy problems . These are proved general truths to a particular truth.or well known to unknown truth.I request you kindly dedicate this theorem to India and make it to teach ,learn by all Indians and include it in our curriculum .This is most essential , urgently needed solutions to the entire world . please consider these facts ,verify to implement it to regain our ancestors Cultural heritage .TQ.

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Post Your Comment

Inviting Ideas for Mann Ki Baat by Prime Minister Narendra Modi on 19th January 2025

Start Date: Jan 08, 2025 16:15 PM

Last Date: Jan 18, 2025 00:00 AM IST (GMT +5.30 Hrs)

Hon'ble PM Narendra Modi looks forward to sharing his thoughts on themes and issues that matter to you. Prime Minister invites you to share your ideas



[See Details](#)

[All Submissions](#)

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Harihara reddy 0 min. ago



Honorable PM ji Namaskar, Happy republic day to nation .Let us examine energy knowledge manthan. Impossible statements and patent prohibitions have neither formal proof nor experimental proof . But our ancestors had belief on Perpetual motion machines. Bramhagupta designed perpetual motion machine.we have formal proof " Force can cause motion ,weight is a force ,weight cause motion ,weight will last forever, motion will last forever , hence perpetual motion possible .This is the base to ignore laws of thermodynamics . Modern knowledge helped us to discover and prove Nature wheels machine theorem . If nature forces become source input and less intensity areas sink are arranged in a machine then nature forces act on it and make it as a Perpetual motion machine. Nature forces is solid and fluid bodies weight . less intensity = less weight. Condition for modern machine. I request you to kindly dedicate this theorem to our nation in our republic day and prove we got energy independence .Tq



0 Like



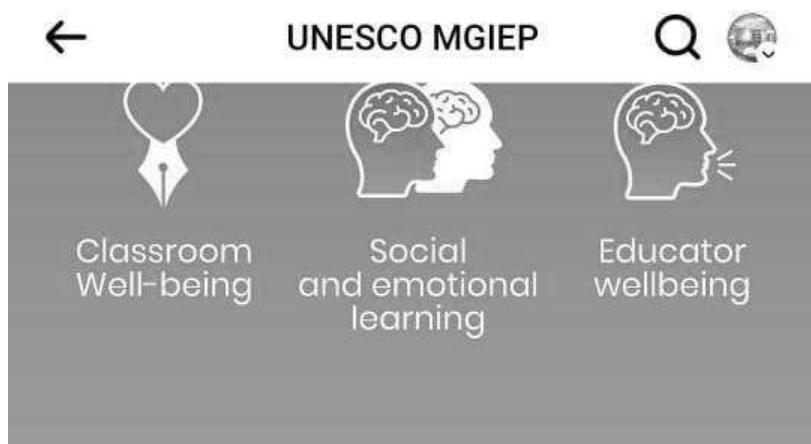
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Jeepalem Harihara Reddy

Class room well being, social and emotional learning and educator well being all is possible with appropriate energy and proper environment, but not with high carbon emissions .we have Sir CV Raman light scattering in our curriculum similarly we should have Gravitational scattering in our curriculum with our Nature modern wheels theorem . : If nature forces become source input and less intensity areas sink are arranged in a machine then nature forces act on it and make it as a Perpetual motion machine , am I right sir .? Please consider . Thank you .

ADDITIONAL READINGS

<https://relativity.tripod.com/position-and-role-of-perpetual-motionist-part-i.html> <https://relativity.tripod.com/the-position-and-the-role-of-the-perpetual-motionist-part-ii.html>

https://www.veljkomilkovic.com/Veciti_motoriEng.html <https://mestre.museogalileo.it/motoperpetuo/en/before-leonardo/indian-and-arab-origins/perpetual-wheel-with-oscillating-masses.html> <http://www.hp-gramatke.net/perpetuum/english/page0020.html> <http://hp-gramatke.net/perpetuum/english/page7100.html>

<https://www.bbvaopenmind.com/en/science/physics/the-perpetual-motion-machine – an-impossible-dream/>

<https://coloradoreview.colostate.edu/reviews/the-perpetual-motion-machine/> <https://royalsociety.org/blog/2018/09/perpetual-motion/> <https://www.britannica.com/science/perpetual-motion>
<https://ipwatchdog.com/2011/10/11/the-patent-law-of-perpetual-motion/> [id = 19828/](https://ipwatchdog.com/2011/10/11/the-patent-law-of-perpetual-motion/) <https://patents.google.com/patent/WO1982004174A2/en> <https://ipkitten.blogspot.com/2014/10/patentability-perpetual-problem.html?m=1> http://theinventors.org/library/inventors/blperpetual_motion.html <https://www.science.gov/topicpages/p/perpetual+motion+machine> <https://relativity.tripod.com/home.html> https://en.m.wikisource.org/wiki/1911_Eencyclo%C3%A6dia_Britannica/Perpetual_Motion

<http://orffyre.tripod.com/id47.html> <https://relativity.tripod.com/home.html> https://www.veljkomilkovic.com/Veciti_motoriEng.html <http://hp-gramatke.net/perpetuum/english/page7100.html>

<https://www.mondaq.com/india/patent/845448/patents-and-perpetual-motion – machines>

https://en.m.wikipedia.org/wiki/Perpetual_motion https://en.m.wikipedia.org/wiki/History_of_perpetual_motion_machines

<https://www.issuesofsustainability.org/helpndoc – content/TheGradingofanEnergySource.html>

<https://mirtitles.org/2012/05/23/yakov-perelman-physics-for-entertainment/>

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Inviting Suggestions on the Draft National Policy for Skill Development and Entrepreneurship 2025

Inviting Suggestions on the draft
**NATIONAL POLICY FOR
SKILL DEVELOPMENT**
 and Entrepreneurship 2025



Start Date : JUN 17, 2025

Last Date : JUL 15, 2025

23:45 PM IST (GMT +5:30 hrs)

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Ministry of Skill Development and Entrepreneurship has undertaken an exercise for review and revision of the National Policy for Skill Development and Entrepreneurship 2015. This...

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Harihara Reddy

1 day 1 hour ago

Education is the base for our thinking and developing innovative ideas and innovations. Right Education gives us right thoughts that become innovations and skills. Let us have our own Education but not colonial Education. Innovations can't solve our problems we must practice and implement them with out any delay. Delayed action kills but not protect. We need education reforms for innovations skills development and entrepreneurship. Policy is the base for development. Government should protect our ancestors cultural heritage and bring new knowledge to India. We should consider negative Gibbs free energy is the necessary and sufficient condition for constructing second kind of perpetual motion machines with inexhaustible Atmosphere as a source and permanent vacuum as a sink. Nature wheels machine theorem: If Nature forces become source input and less intensity areas sink are arranged in a machine then nature forces act on it and make it as a Perpetual motion machine. It is good skill.

(1) (0) Report Spam

1 day 2 hours ago



Jaijan Upadhyay

Skill development is the art and science of transforming potential into performance—it's the continuous journey of learning, refining, and applying abilities to become more capable, adaptable, and impactful. Skill development involves learning, practice, feedback, and application.

Skill development isn't just for career growth—it's personal evolution. Every new skill adds dimension to who you are and what you can contribute.

Developing skills is a bit like sculpting—you chip away, refine, and slowly reveal your potential; the process blends discipline with creativity.

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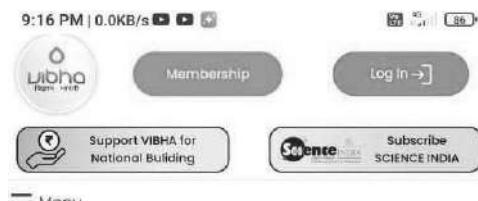


Harihara Reddy

1 hour 44 minutes ago

Skills develop with knowledge. Education is the base for knowledge. Ignorance keep us in thought less ness and make us stupid. Policies depends on Education. Policy prohibited patents and implemented useless curriculum. We have no impossibilities in science, we have no absolute truths. We didn't consider scientific methods while implementing prohibitions. How can we say this is science. Let us rethink our policies and education to awaken our minds and to go forward to abolish, ban and delete patent prohibitions on perpetual motion machines. We should consider negative Gibbs free energy is the necessary and sufficient condition for constructing second kind of perpetual motion machines with inexhaustible Atmosphere as a source and permanent vacuum as a sink. Nature wheels machine theorem: If Nature forces become source input and less intensity areas sink are arranged in a machine then nature forces always act on it and make it as a Perpetual motion machine. get relief from superstitions.

(0) (0) Report Spam



From: Ramesh Srikonda • rameshsrikonda@gmail.com
 To: Harihara Reddy • hariharareddyjeepalem@gmail.com
 Date: 14 Apr 2025, 9:58 pm
 Standard encryption (TLS).
 See security details.

Great work
 Dr.S.R

Hide quoted text

On Sun, 13 Apr 2025 at 11:20 AM, Harihara Reddy <hariharareddyjeepalem@gmail.com> wrote:

Respected sir
 Good morning

I am J HARIHARA REDDY Retired Head Master would like to submit my discoveries for UN ROAD SAFETY DECADES UN DECADE OF SUSTAINABLE ENERGY FOR ALL and International Decade of science and sustainable development for your perusal and necessary action . I request you to kindly give me opportunity to explain this when ever vibha members meet together but not on election days . Enthusiastic vibha members may note this knowledge .

With warm regards and thanks

Yours faithfully
 J HARIHARA REDDY

ENERGY INDEPENDENCE WITH PERPETUAL MOTION MACHINES

(INTANGIBLE CULTURAL HERITAGE EXPRESSIONS – DESIGNS. TIRUPATHI, AP)

Yakov Perelman, Author, Physics for entertainment described on Perpetual motion machines and inspired me to think on them. Lallcharya thoughts became Bramhasputa siddanta by Bramhagupta. It was confirmed by Bhaskaracharya and inspired the world for it. It taught us weights can be used for motion or work. Weights difference. Galileo inclined plane experiment with Scientific methods with experimental process divide Knowledge in to Religious and Scientific knowledge. Foucault pendulum continuous motion taught us Gravity can be useful for constructing perpetual motion machines as long as there is fuel in vehicle friction cannot effect it. Friction need not be considered as long as there is intensity differences in machines. Stevin experiment for perpetual motion machine with spheres with a chain on a triangle shaped body discovered parallelogram law of forces. Newton's first law of motion resembles perpetual motion machines. Carnot's theorem, Temperature difference, with Gibbs free energy based Garik hemispheres experiment shows the way for nature forces utilisation. Difference in intensities in a machine is the condition for a working machine. Newton and Einstein accepted absolute time is not the measurement of work but it is casualty. All the above scientists work results to discover Nature machine theorem. Boyle perpetual motion machine, Gibbs free energy, Wilhelm Ostwald second kind of perpetual motion machine, Nernst, Onsager and Prigogine Chemistry Noble laureates Knowledge on constant entropy shows the way for perpetual motion machine like typhoons, tornados which works long time are the examples for constructing perpetual motion machines. (Bramhastupa siddanta, Carnot's theorem and finally Nature machine



theorem). If nature forces become source input and less intensity areas sink are arranged in a machine then nature forces act on it and make it as a Perpetual motion machine. Difference in solid bodies Weights, water bodies heights and weighs, air pressure difference or converting potential energy to kinetic energy with ladder and Anemometer based experiments. It is impossible to discover Nature machine theorem with out our predecessors (Scientists) Knowledge. Combining above Scientists Knowledge is similar to writing or proving a theorem'. (From 5th century to 21) Is it possible to live such a long time but History can live. History and Science can generate modern scientists. With out History no modern. With out modern, history become waste. We need both for our survival. These are reversible machines in which if effort applied is removed, it reaches its original state. Reversible machines in unstable conditions with intensity differences are perpetual motion machines. These are cheap and eco-friendly. Knowledge in this book can control untimely deaths, environment protection and keep peace.

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