

## **ABSTRACT:**

**TITLE:** *Self sustainable Human Beings Echo Net work: Next Generation neutral internet*

The Future net neutral Internet should evolve into **Inter intelligent process net** which is “.com, net .telco, voice .social. echo. knowledge “ self sustainable net .

This is next generation internet which will work with one global net neutrality frame work. **“ lack of information and knowledge is indirectly responsible to corruption and non sustainability of global societies.**

Ideas of networking Creating Global Intelligent knowledge portals and Individual Country DNS Servers to monitor misuse of internet, Cyber Crimes, Security and creating Global Fiber optic networking back bone and GLOBAL EOIP (everything over IP ) networks to make local calls and video , data , info , knowledge at user affordable price and international calls and services as nominal prices to link all human beings to internet is remember able , survivable and innovative.

This new frame work which serve people through “Grow your own food, knowledge and energy “ can evolve into Interne of echo system not internet of things what world is talking .

The True building of “ NEXT GENRATION INTERNET “ - **INTER INTELLIGENT PROCESS NET** “ , THREE LAYERS MODEL - APPLICATIONS , SERVICES AND NETWORKING MODEL , MAKE NET TO THINK AND ACT, Knowledge commerce or H-commerce etc for people to survive based on Self-Sustainability is Building block for Next revolution after information technology and Industrial Revolution’s to create New nations and societies of the world. The net should evolve into Knowledge Process net which will act as Eco System for Human beings all over the world to live in peace and prosperity and safe guarding human rights and equal net services and solutions to all people of the world with equal knowledge sharing and collaboration..

### **Contribution in Detail:**

The future self sustainable echo net work must create green models for countries and his association and to create Food security models , Energy security models and global self-sustainability model Grow own Food , energy ,and knowledge models is also becoming building blocks for Internet to play a major role to make economies to grow to convert social net works to echo and self sustain intranets , extranet , LANS , WANS , MANS , Internets etc. .

The New net and Neutrality frame work should be common all net users word wide which safe guard internationals human rights of people and also safe guard cyber security which is each nation and individual security. History told oil, arms and economy wars are root cause for wars all over the world which in turn created terrorism internally and externally. These people are using cyber net as one of tools. The future will be cyber, water, food , human rights , echo wars.

The right self sustainability all over the world by all human beings from farmers, un educated, internet users, politicians, Companies for better growth and safe development will be future of internet or net neutrality. This next generation internet must be created with common rules and regulations all over the world.

This can be achieved if UN, Governments , Global Stake holders not based on race , caste , creed , profession , educated not educated , developed or un developed , farmers ICANN , IGF , ISOC , IETF , IEEE , NET MUNDIAL etc work with one common goal and common agenda that is INTERNET LIBERATION AND INTERNET VOICE , EXPRESSION AS ONE and ONE NET ONE RULES AND REGULATIONS.

Opposition to recent Internet control be various governments open expression, Miss use of Right to information acts and right to expression acts of various governments with various rules and regulations on net users should be avoided. In India RTI act and IT act is misused by people and police to suppress people expression and Fundamental rights of people every minute. This lead to biggest corruption scandals in India In all sectors.

The Sacrifices of internet users by expressions and usage, Technologists, creators, safe guarders must for positioning Internet as true democracy and Fundamental right of every human being which is part of freedom of expression, freedom of Rejection by people voice or vote and to safe guarding Internet security, Ethics , values and usage through innovative models really impacting to create new Internet models..

The Future internet, net neutral internet or liberated internet should “serve and treat human beings as GOD’s gifted persons to make them self sustainable

For example contribution of global citizens of 1950 from 195 countries ( 10 each from country ) , 365 leaders ( one leader idea and innovation for each day ) , can create next generation internet frame work to serve people for next 100 years based one echo system one world , one human beings ,one INTERNET through Grow your own food , energy , knowledge , make net think and act through Human knowledge commerce networks. HUMANOLGY NET WORKS CAN CREATE NEW INNOVATION AND NET NUTRAL NET WORKS WHICH WILL MAKE HUMAN SOCITIES TO GROW AND LIVE HAPPILY.

My Vision and Voice to World ,Internet , Communities , Global survival Echo System – Is Self-sustainability among people , by the people and we the people of world Net or united nations of Internet societies and net neutrality societies.

we can create your / our own networks Worldwide for better growth and self-sustainability and Knowledge commerce through true self sustainable echo social cooperative community net works at villages levels or community levels. .

### **Net Neutrality by industry and other stake holders.**

The future of net neutrality will become reality if all stake holders will become and act as real IP and TCP packet which are open . the Telco's ; ISP, Mobile , CSP ' wifi , Broad band , Media , TV etc are moving on internet packet along other technologies which are data and voice. If data and voice are treated as open packet and peering agreements and data transfer movement as one packet and charge based on type of sectors and people whom they are serving based on survival of individuals and companies this neutrality model should be same for all countries .

The Answer to this all ISP's should become free Voip service providers locally and global calls and content transfer should be flat. The local calls should be free and global calls should be charged flat.

Today Telco's , mobile operators became ISP's and earning more money both on data and line connection.

This should be changed to Data transfer or browsing info should have separate number with one tariff and for voice calls and international calls separate tariffs. If these are linked through VOIP separate flat fees etc.

With emergence of 3g and 4g mobile operators are killing Telco's land lines and ISP service providers. ISP's and Telco's should have common level play to address high speed data and voice services.

### **Only these Brands should be there**

Multimedia connections

Mobile data and voice

Wire data and voice

mobile or wire only voice

The models should be high speed , minimum speed , low speed

The groups should be

Family

Education students

SME's

Corporate

Villages , farming

Government civic / utility services : health , water , sanitation energy

Security : Defense, Police ,Investigation

women , old people

Based on socio economic conditions and countries the net neutrality frame work can be created .For example with more money power Telco's are bidding licenses and putting pressure on internet user. Why different licenses.

We can one multimedia license and level play for all entrepreneurs. Where ever we go we see monopoly and cartels running telecoms , ISP , Media etc. With emergence of social networking mobile and high speed data and free voice is becoming day to day tool for people as commodity.

If Net neutrality frame work ( should be global standard like TCP and IP) is created as commodity or essential commodity which wont effect based on rich , poor , no mobile , corporate , SME , MSE , farmer etc

One more As part of Net neutrality communications and security infrastructure must on be common road map for developing and poor countries. For example still Data and connectivity Infrastructure is very bad by mobile, Telecom, broad band operators in India. But all service providers are cheating people without following QOS. Net Neutrality between operators should follow strong QOS without effecting internet users.

Neutrality should be treated as OPEN PACKET OPEN TCP AND IP. This should be Human connectivity protocol and Human protocol which serve human beings survivability on self sufficiency bases and also save echo system around people for better life and happy life. NET NUTRALITY should not become greediness of services providers and governments for revenues at the cost of internet users whose freedom and liberty of survival of echo system people , animals , trees , water , air , earth , fire etc. This is not taken care the world will destroy through wars , famine , cyclones , hurricanes , floods , no jobs , no economic growth , diseases and lastly CORRUPTION and DICTATOR SHIP Of net

neutrality is real treat for future of Internet , communications and knowledge of people all around the world.

## **ISP's becoming more neutral and reaching people seamlessly**

### Customized ISP model

As most of Indian companies are opting for offshore or software development services in countries like USA , Europe and Asian companies. We want think about establishing " Internet Customized net work services " to link Indian communities in abroad with their counter part with in India .A part form communities we will link also link local Business communities with other worlds.

For Example " Hyderabad Customized ISP POP will link with Berlin Customized ISP POP " . The members of both these network can access information , contact each other .The members of this networks are provide with their e-mail addresses.

Whenever User was registered with HYDCISP , he will be given access to BRISP and visa versa. Here the people get various value added services etc. The concept is " DIFFERENT BANK CREDIT CARD Services ENDORSED BY VISA and MASTER CARD ". In order to implement this plan we already done marketing plan to target potential customers through following

1) Community Internet services :- potential customers are targeted at local community level. As part of this plan we will involve local community members as resellers / users . As part of their reselling activities they will also given commission and path to earn money for their growth. The model Is like co-operative society movement.

There are so many successful case studies in the areas of Banking, Telecom ( Grameen Telecom project in Bangladesh ) , Anand , Amul milk co-operative society , Gujarat ( The milk revolution of India ) etc.

The Recent Indian elections is one classic example for creating a model and frame work.

2) The present Internet model ISP's are targeting to get their customers through dot.com's ( E-bay , yahoo etc , Aol) etc. As new marketing approach the ISP's should create customer oriented services – ex. Docter.isp Services : As part of this services only doctors community is enrolled as Internet users . All users are provided List services , their promotion services , platform to collaborate their services among them self's etc. A part from this other Individual communities are also cross linked if they require their services. Like this we will create all types of services covering all independent Business customers, Individuals, professionals etc . This will be the first customized / targeted / focused service in the world. Where there won't be any customer churn . We can generate more revenues by creating

more customized valued services to create real collaboration /Co-operation / contact ISP services. As part of this we can also link other country users also. There will be separate price for this service. These services are activated on extra member ship fees.

Knowledge h-Internet:

As major Technological Revolution and Invention in modern history the 8th phase Internet should be evolved. The present Internet Infrastructure, Protocols, DNS system is mostly build based on the American system this as lead to Net neutrality issues and Netmundial meeting in brazil and this paper . America invented internet one way it is open cloud but at the same time due to NIA and other net neutrality issues , peering issues and payments of data voice between countries and service providers etc. Who is owner of data voice video and why different prices and licenses.

The new Information and Knowledge communication system must be build according to requirements of Individual countries requirements for their socio- economic survival. To meet India requirements we must have our own DNS system based on DNS Switch (Server model) with intelligent embedded naming system to make the information packets flow between the people. But ICANN created more TLD's to generate more money. One way this I good and also create different problems. For example India's monopolistic company RIL requested DOT INDIAN from ICANN which is anti national. if this goes on every English word will become Domain names or every surname of human beings can be auctioned by ICANN etc.

### Global knowledge or info Bank Net model

Global Info Bank Net: GLOBAL COMMUNITY INFO BANK NET - " hCommerce ® "

In order to meet common man's requirement for survival and to create " Global Distributed Knowledge for Everyone " we must build " GLOBAL COMMUNITY INFO BANK NET " to do hcommerce® or Human commerce worldwide. We must introduce this new concept in each country to meet local people's requirement. If you look into reality most of the developing and developed countries are not able to provide proper Telecommunications Infrastructure, Information exposure, Knowledge education, and communication services to meet ordinary persons requirement for their survival.

I feel this is mainly due to Govt. Polices, lack of awareness of importance of latest Information Technologies in common people, lack of education, financial constraints etc.

We must go far beyond this. We must not work only to promote value added Internet Services, Technologies, to end-users. We must create an environment / community domain to offer Distribution knowledge services, technical man power, software, hardware, networking equipment, consulting services, education services, financing etc. which will take

everything to meet user requirements and help them to use their hidden resources / Information properly for their survival in any form.

This will become "single contact connected human bank "where the people within the same community can share / offer their resources to fellow community members to do h-commerce. As part of this Network we must create " Knowledge / Information Banks " world wide .

This will provide Use full Information / Implemented information around the world " to serve common man requirements. This knowledge Bank will service / Promote individual Knowledge / information to other fellow communities / human beings around this world. This will operate similar to present banking system. Here we commerce (hcommerce) individual users knowledge rather than money.

This will give right path to world human communities to share 1.5 trillion dollars earnings / requirements (based On UNDP per capita earnings of entire world population).

### **Case Example:**

For example if a small company or Individual or community want to computerize its operations he may have to invest a lot of money to procure Computers, application Software, database software, UPS, Internet connections etc.

This is very high for each individual to Invest according to any common man standards. At the same time he can use or get exposed to limited software only, customers of this type can't migrate immediately to latest technologies. In a business complex or commercial Business area, individual residential flats we can see hundreds of similar customers or users.

For this type of people we must built different type of Information Networks. We must install a server with all types of software in each commercial complex, Apartments, community centers etc. Each individual User will be given a Node, Hard Disk space, access rights, security rights, value added services according to customers' requirements. Service providers must take care of maintaining entire Network, training and exposure to latest Technologies.

We must give opportunity for the same people who are members of these community nets to become real Hard-core professionals to offer their services to fellow community. For example we can use services of Software Development programmers to take up Software development activities worldwide to develop Knowledge software tools to serve communities.

If we connect all these type networks worldwide it will become true "Global Distributed Knowledge network for everyone "

As in process Financial Institutes must arrange funds / loans to these customers to join this Network. Just like Housing Finance/Car Financing, we must introduce these services. By using this concept the communities will grow on their own and serve / use fellow communities information for their day to day survival.

As part of this must also plan in building 'INFORMATION / KNOWLEDGE BANKS' which will work just like present Banking system. As part of these services we must promote users to promote their Knowledge services/activities on Net to get extra earnings. We also implement user resources/Information/customers promotion exchange programmers.

In order to build this type of Global Community Info banks to promote hcommerce® there should be Non - profitable GLOBAL COMMUNITY INFO GATHERING ORGANISATION (ex. WORLD BANK ) which will collect top rated Information which is getting duplicated / developed world wide in all countries in the form of web contents by spending Billions of dollars to provide Information to users. These Information must meet all common man's requirement for their survival. This " GCIG.ORG " must set up INFORMATION SERVERS or INFO BANKS IN each country, which will be updated frequently by worldwide information sources to meet communities' requirements.

As it required lots infrastructure and Monies to build fiber optic networks in third world countries like us to connect remote villages we must deploy Information Satellites to update information banks at regular intervals.

**If you look into Internet History it was grown/hyped/promoted on following**

First phase :- Infrastructure Building.

Second Phase :- WEB Hosting / Advertisement, online services etc.

Third Phase :- Community Building – Hot mail, yahoo ,Lycos, etc.

Fourth Phase :- Human Resources / services / QOS – extranet, Data center Etc.

Fifth Phase :- E-commerce, Security etc.

Sixth Phase :- Global free Internet Phone services / Video services etc.

Seventh Phase :- Information reaches individuals on the bases of personalized services / Individual requirements / Culture Based Services, Individuals security for survival.

Eighth phase:- H-commerce® : based on customers/users requirement. Information and knowledge will reach automatically from any part of the world based on Users decision / behavior / requirement /satisfaction/pricing/quality/ service/warranty etc.



Today world requires eight-phase knowledge network to move head and safe guard Common man survival. Clear example to this we must promote Artisans, farmers, Professionals, Housewives, small scale Industrialists etc. dedicated community / profession networks to explore their hidden knowledge /Skills around the world.

I want to Know how many people all over the world able to contact directly handicraft artisans, \farmers, Aurivedic, Homeo, nature cure etc experts or stand ford scientists or political leaders to solve their problems or sell their services and solutions directly for self sustainability. Even a small SME or House hold wife can able serve fellow people to generated revenues for her survival and also help others to have services and products at less prices and regular supplies .

Frame work : The new Architecture Model:

As part of the model the overall Internet + Tele Architecture is defined as three layer model. Each layer will have well -defined Intelligent roles and well defined Intelligent interfaces to create customized building blocks.

**Layer 2** : Intelligent Knowledge web Infrastructure / Architecture : Knowledge banks , Customized applications , Collaboration management systems , customized billing systems etc.

**Layer 1** : Intelligent Knowledge Networks or NGN's Infrastructure / Architecture : Customized tel's , Customized end to end Integrated networks , Process services , Knowledge based customized Integrated VOICE+ MMS services etc.

**Layer 0** : Intelligent Knowledge Net work Architecture : Intelligent protocols , Intelligent transmission control protocols , Multi layer protocol Networks integration , Multimedia , Process and Access transport network etc.

Rather defining it is as inter network or tele networks we call this as “inter intelligent knowledge process net “

Layer 2 Business or application model : Intelligent knowledge banks or IK WEB's.

Today the companies must position themselves as " Customized solution, Product and service" OR “ Intelligent Knowledge Process Service “ providers. Knowledge creates wealth. Wealth creates the Knowledge. This can be achieved by Trusted bonded network between the people who are involved in the in over all business cycle of any company or institution. This will also involve social -, economical, conditions and Policies dictated by the Governments and societies around, which are nothing but Individual human beings. The collaborative thinking and open individual thinking, Thinking commerce or Knowledge Commerce or h- commerce plays major role.

We are not Owners of our Knowledge, We are trustees of our knowledge which should be trusted by us / others and shared with trust. This makes us to move a head. The Key case study is nothing but the expansion of " Internet " network worldwide. Now we have to think about " Inter Intelligent Knowledge process Net's " Internally, Externally, Locally, Globally to create better society. Ideas and Thinking benefit society. Knowledge is beautiful and should be enjoyed with happiness.

We can't predict ideas. When predicted it should be Collaborated. This will lead to discoverers and discoveries. Where in Technologies drive discoveries. Discoveries drive business. The next Revolution is " Intelligent Knowledge " Commerce. The quest for Knowledge should go on till you satisfied to meet your needs.

By combining a group of "Knowledge Minds " create Better Knowledge, which in turn creates " Super knowledge " to move the things. The Future of survival is to create services and solutions

where " Individual Knowledge " will be transacted just like money transaction in the banks to serve others requirement. In Turn "Knowledge and Intelligence "Bartering model will be created such that people will use this one of the services for their survival and growth through this model.

As part of this the " The Intelligent Internet " will play a major role where in the best of the " Proven Information ", which meets users requirement will reach every user automatically. This will depend on the each users priority, requirements. As Part of this Intelligent Infrastructure " Global Intelligent Knowledge Information bank Portals " will be created to serve the individual user custom requirements. In today's individual's quest for Knowledge, co-operation of Individuals Knowledge is necessary. For example a person who got Knowledge or Information looks for people who are looking for similar Information and Knowledge to provide services, which in turns generate money for his survival.

Layer I Business or application model :

As part of this MM services and solutions companies should role out Intelligent Knowledge Infrastructure to provide customized end to end services . These services should be offered on requirement bases . Based on usage of process or services the customer will pay the bill. This is should be offered as commodity. We must provide collaboration management services .Depending upon the requirements the customized services from all business process are integrated with this over all architecture model to serve customer.

Today worldwide Resources, Ideas, Models are getting duplicated and we are under utilizing the resources, wasting them by not using them. By using the Next generation Net we must utilize these resources and pay the money for usage of resource. People can Bid this through Intelligent

Knowledge exchange where people, Companies who want to offer their knowledge resources can list their knowledge resources.

The Telephone networks should be building as customized telco nets. Where in Knowledge info + EVOIP networks are overlapped as custom Tel's. In Info world we created Groups and communities and search engines to connect people. Where in " customtel " all are build into one common point where in you can be or call will be connected or routed to meet your requirements. Like this we create different various customized / socialized MMS tele phone nets like Businesses tel, I.T tel, Jobtel, Doctor tel, As part of the socialized networks we can create a chain to reach " n " number of people.

As part of inter intelligent process net we must provide customized Bandwidth, intelligent Knowledge, Computer Process services, storage as commodity where the users pay on the basis of their usage. On demand the services providers and solutions providers should provide the services.

Today Companies are talking about multi billion dollars Business process outsourcing industry and their advantages. Beyond this is , Intelligent Knowledge business process and commerce

### **Smart TCP / IP or smart wiki packets or human knowledge wiki**

creating new knowledge base "smart wiki" based on global individual knowledge's and practical experiences with proven results based on individual cultures, countries polices , social economical conditions , and sticking to basic concepts or principles of any topic, issue, problem solving, meeting requirements for survival or meeting end results by the using processes approached by other people to solve similar issue or problem or work.

this must be created based on " global human knowledge grid / cloud " which can link human knowledge's / human being knowledge banks virtually based on individual human beings requirement based on his thoughts at particular time at particular date to get good end results. i feel first is information, above this is knowledge above this is intelligent knowledge or smart knowledge which can help human beings to survive on day to day bases or on hourly bases for survival or growth in their life's which will create happy families, happy societies, happy communities, happy countries .

### **Brief Bio & Accomplishments**

Kanuuri.s.raju ( K.S.Raju ) is from India Andhra pradesh and studied in Bangalore university from where he majored in B,E computer science in 1991, Post graduate Energy management form Central University, Hyderabad and M.Tech ( echo system) from JNTU.

From last 23 years he is working in the areas of Technology, Internet industry, Innovation, IT, Telecom, Internet polices, Software technology incubation centers, Education Networks, Next generation Internet-Customized Internet and Inter intelligent process net.

He attended INET 2000 Yokohama, and then became involved in building ISOC chapters ICANN, NETMUNDIAL etc. He was one of ISOC pioneer member. He wrote so many articles and Papers on Internet , how to build Internet , next generation Web's , Global Knowledge banks , Knowledge management banks , Customized Internet services providers , Next generation Internet , Custom tel and customized web services etc in early 2000 evolved into models for present web companies and services like cloud , big data , social media networks. He was involved in various education projects think quest etc