STUDY OF 3D INTERNET

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Abstract. The word 3D internet stimulates everyone eagerness to know about this mind blowing technology. We are all connected with everyone around the world with help of a technology what we have known as 2D technology and we are all satisfied with our current technology, because it's make's our life easier and everyone gets benefit out of it. But this 3D technology is beyond our expectation, we can't even imagine it's working process. We are sure that this technology will make you deranged because you can't differentiate the real world with this. This technology help people to view the world in a different way .In this paper we are going to talk over why it is being a goal worth to pursue, what changes it is going to make and how it can be realised by one. We also address some solution to make a 3D internet a real.

Keywords: Internet,3D,Virtual,2D.

I. INTRODUCTION

The 3D internet is a next advance technology of 2D internet. It use a graphical user interface which attracts everyone who are working in a different sectors. Our ultimate aim is to provide a real time experience over this technology.

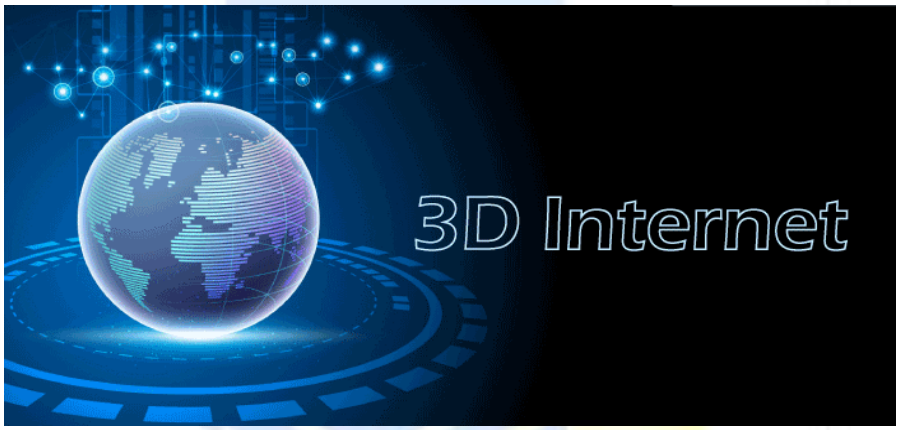

FIG.1: INTRODUCTION OF 3D INTERNET

Food and water are two main essential resources for living; likewise technology is an important medium for communication and to get information .Think about an important occasion where you are unable to attend or a world leaders are going to participate in a UNO where we have to spend lots of money and time for protection ,preparing the place ,transportation and other facilities for them .We can assure about other facilities but we can't assure their security. Since their a important person in their national we can't risk their life .The only alternative way is to go for an virtual meeting or video call but it can't be an efficient .The advantage version of making this communication effective is three dimensional technology where you can interact with others in person and or a group by showing body language and the way you express are so real in this platform .

The principle behind this mind blowing technology is sensors and holographic image projection ,artificial intelligence ,implements 6^{th} senses technology .With this gamer-changer and stunning technology we are going to connect better to this world .Let's get benefited in a useful and good.

II. LITERATURE SURVEY

The implementation of 3D internet is much difficult because of its cost and hardware requirement which is more advanced and need more resource .More research should be taken to implement the 3D internet .the main aim of 3D internet is to understand the each and every concept easily by everyone. this paper covers the overall view of 3D internet study ,advantages , disadvantages and future use of 3D internet.3D internet is useful in many ways like communication ,television and for other transaction .It uses intergrity of graphical and virtual reality. Inter communication between the people in the world will be easy and people can use internet for long time.

III. MATERIALS AND METHODS

a. Architecture

We present and talk over 3D internet architecture and it's frame work with an appropriate example and we going to discuss deeply about it's working principles and each components function which plays an major role to build this stunning technology . The trusted flow gateway is connected to the DWA-PON controller ,GE-PON OLT and edge router for the transaction which flow into core OFS scheduler and the IP network which is further connect with the OFS network which intend connected with core (WAN -Wide Area Network ,MAN- Metropolitan Area Network) and in which it can be access by all the people in the world easy communication.

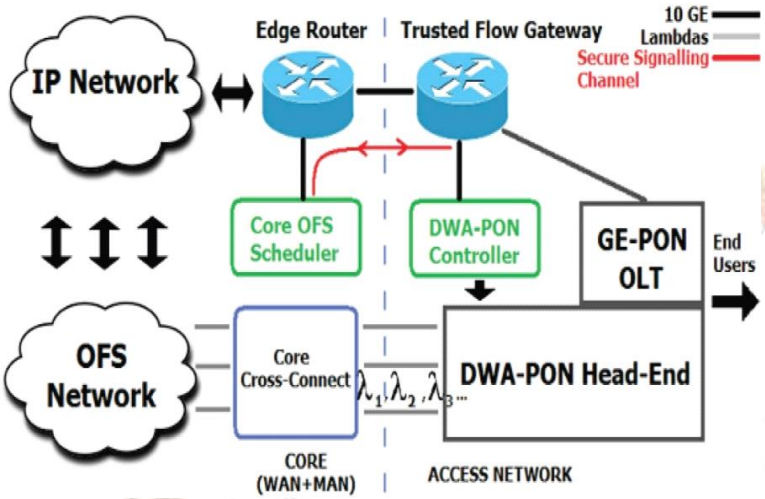

FIG.2:COMPONENTS OF NETWORK

This figure shows the shows the components of the network .It is classified into two parts .The core(WAN and MAN) and access to network. WAN is called as wide area network and MAN is called as metropolitan area network. Router is a node connected to two or more networks .It can connects any number of LAN and use protocols to move to destination .the main aim is to speed access of data for every one with help of advanced or existing technology available in the world.

b. World Servers

It has a main task to co-ordinate connected users and initiate a communication between them and assuring in real time.The services should reach all the people to the world.It also work in connecting network with social media for better performance and interaction with everyone.There are many researches and experiments are on going towards improvement for entertainment .They may also aid various services like email, messaging ,etc.

c. Avathar I/D Servers

Virtual identity management system contains identity and information of avatar of users who had been registered and provides these to individual world servers and client programs .It is a part of world servers. This avathar services provide us to create a new avathar for each and every individuals.those who are affrid to revel there face to social media can use this avatar services to replicate their figure or their imaginary replicant.Avathar created can used to represent their own image.

d.Universe Location Servers

Virtual location management systems are similar to including the current DNS providing geological information and connection to internet as same as the method for SLurl .It can also act as distributed directory of world. the location access can be done using GPS and DNS.GPS is the currently using location tracking services all over the world which will show the current location of an IP address .in most countries GPS is not fully implement by everyone it is difficult to see things in deep forest and in under ground but using 3D internet speed each and every thing can be see through live location as virtual reality or a 3D view of the location which is recentyly stored in the internet.

e.client

Browser such as programs running in computers of user with coaching and 3D rendering capabilities .It has additional components which includes web pages and object creation in 3D form.

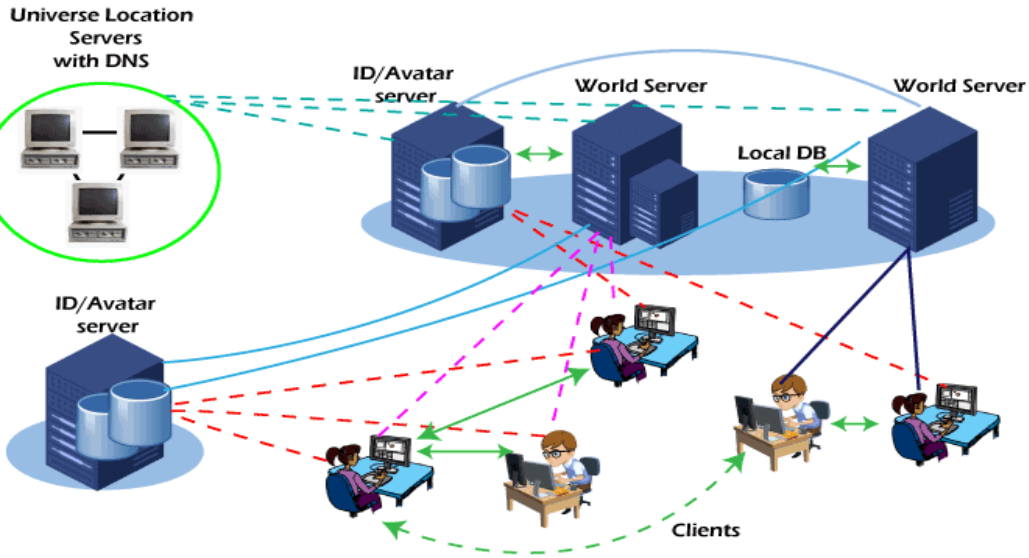

FIG.3:CONNECTION OF INTERNET WITH CLIENT

f.features

The main feature of the 3D internet is virtual reality and the graphical representation .The visuals that we see nowadays are improved visuals which have been improved from normal phone to visual content in smart phone and the next improvement is to view the content in the 3D mode. To view this improvement in 3D mode we use 3D internet . The future use of the internet and communication is through 3D internet.

FIG.4:3D INTERNET VIEW

g.survey table

Table 1: Differences between Google fiber and normal cable

PARAMETERS	GOOGLE FIBRE		NORMAL CABLE	
Speed	1000 Mbps		15 Mbps	
Pricing	Internet and TV	$ 120/month	15 Mbps Internet and TV	$ 79.99/month
	Internet only	$ 70/month	50 Mbps Internet and didital TV	$ 99.99/month
	Free internet with one time construction fee	300 $	NO SUCH SERVICE	
Availability	Kansas City with it's roots potentially developing everywhere		Globally Available	

h. evolution of web with 3d internet

web 1.0

In web1.0 the user can read the content that is been written by the programmer in the web page which is reached to many people in the evolution of internet .due to use of everybody the graphical representation as reduced and cause several drawback so they though to develop the web1.0.

web 2.0

Web 2.0 is the developed version of web 1.0 in which the only programmer can write a connect to the users but in web2.0 everybody can write a content which is viewed by everyone in the world. the main example for web2.0 is youtube in which everybody can deliver their own content in the internet.

web 3.0

Web3.0 is the developed version in which the intergrity of website and that can be used in the possible way.

example let us take flipkart in which the data from google and shopping experience, rate and quality are checked and the preferred one is suggested which is more easy for us to use. another main goal is to combine the web 3.0 with 3D internet which will replace the web pages with web places

ADVANTAGES

- Easy to use. Increases the speed of working and interaction. Reduce mouse movement.
- 3D view of things is the main advantage in which everybody can view the things in a real format.
- A 360 degree view of things can be viewed easily.
- It helps the students to understand easily and also helps them to learn the subjects with interest and curiosity.

DISDVANTAGES

- Lack of people effective towards the implementation of technology.
- There is conflict with the people to easily interact with access to media and other applications.
- It is difficult for senior citizens to access the 3D internet.

APPLICATIONS

- It can serve as a good platform in educational association to improve the quality of teaching.
- It can be used in sports like cricket , wrestling and etc., for the players to play in 3D.
- It can also play a great role in art culture where the builders can show their model with a real experience.

CONCLUSION

3D internet is the vast technology which is going to implement in the future .The main concept of 3D internet is implemented through artificial intelligence, machine learning and advanced technology which are going to be implemented in future . Taking a small steps to implementation of 3D internet and the uses of 3D internet.3D internets may also used in architecture departments to show the clients overview of the buildings easily . In businesses if 3D internet is used it attracts large number of audiences and clients for their business development . This development of 3D internet is used to invention or development of more 3D devices for the application which are used by the humans . However to make 3D to reach everyone it is necessary to continue multiple Disciplinary researchers . There are still many research challenges going on 3D internet .

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