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Evolution of Mobile Technology with 5 Generation

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Abstract

Today, Computers play a vital role in science and business area and a one part of computer are network technology, change a human life wonderfully. Scientist innovates and developed some of new technology to fit business needs and to satisfy people's demand. The main aim of network technology is share or connected human opinion, his feelings, his knowledge to each and every one to the all over the world. This type of technology is playing a still perfect role of evolution of human. In this article author give a better and deeply knowledge about network technology and generation and how it is useful for evolution of India.

Keyword: Mobile Technology, Generation, Bandwidth, Wireless, WWW.

I. Introduction

As we know that we are live in scientist world. Scientist are developed new technology day to day. In the series of this development, network technology is the best example of this innovation. There are many different computing and networking technologies available today, some just now emerging; some, some quite experimental. Some technologies are being obsolete, some are maturing, some are adequate, and some are vital. The mobile technology is one of them. A single and simple frame of reference is most helpful in understanding the concepts of individual networking technologies, seeing how they operate, and recognizing relationships among technologies.

II. Mobile Technology

Mobile Technology used in a specific as the communications technology using unguided media transmission such as radio wave ,microwave, infra-red and Bluetooth so you can transfer any type of data with mobile technology such as voice, video, texts etc. Mobile technology is exactly what the name implies - technology that is portable. Examples of mobile IT devices include: laptop and net book computers, wireless debit/credit card payment terminals, personal digital assistants, mobile phones and smart phones, global positioning system (GPS) devices. Mobile devices can be enabled to use a variety of communications technologies such as: wireless fidelity (WiFi)- a type of wireless local area network technology, Bluetooth - connects mobile devices wirelessly, global system for mobile communications (GSM) and general packet radio service (GPRS) data services - data networking services for mobile phones , dial-up services - data networking services using modems and telephone lines, virtual private networks - secure access to a private network.

III. Generation of Mobile Technology

The mobile technology today based on 1G to 5G. This generation is started from 1980s. Today India runs on 3G in network technology. The 1G, wireless mobile communication system was introduced. This system supported analog cell phone with the speed up to 2.4 Kbps. The 2G system was planned mainly for voice transmission with digital signal and the speed up to 64 Kbps. In 3G, wireless system is not only provided the transmission speed from 125 Kbps to 2 Mbps but also included many services such as global roaming, superior voice quality and many more. The 4G is a conceptual framework and a discussion point to address future needs of a high speed wireless hardware that can transmit multimedia and data interface. The speed of 4G can be theoretically promised up to 1Gbps. The beyond will be 5G with incredible transmission speed with no limitation for access. This is the Real Wireless World.

IV. 5G Technology: The Real Wireless World

The 5G technology is completely based on WWW means worldwide wireless web and this world started from 4G technology. The evolution of India will be fully based on 4G and its idea to form a real wireless world. The 5G technology stands for 5G mobile technology. 5G technology has changed the means to use cell phone within very high bandwidth. Today, mobile users have much awareness of the mobile technology. The 5G technology includes all types of advanced features which make 5G technology most powerful and have huge demand in the near future. With the help of 5G technology the user can also hook their cell phone with their laptop to get broadband internet access. 5G technology including camera, video player, mp3 recording, dialing speed, audio player, large phone memory and much more than humans ever imagine.



Fig.1: 5G Mobile System

V. 5G Technology Offers

The 5G technology wholly changes the mobile market. This technology is going to be a new mobile revolution in the cell phone market. The 5G technology provides a cell phone alike to a PDA and now our whole office is in our hand or in our mobile phone. 5G technologies have a bright future because they can handle the best technology and offer priceless handsets to the customers. 5G technologies have an extraordinary capability to support software and consultancy. The router and switch technology used in 5G networks provides high connectivity. This technology has extraordinary data capabilities and has the ability to broadcast data within the latest mobile operating system. The 5G technology distributes internet access and can be deployed with wireless network connections. The 5G technology has a glowing future.

VI. 5G Technology Features

5G technology has powerful features, some are given below –

1. 5G technology provides subscriber supervision tools for fast action.
2. The high quality services of 5G technology are based on policy to avoid error.
3. 5G technology offers transporter class gateway with unparalleled consistency.
4. Remote diagnostics are also a great feature of 5G technology.
5. The 5G technology is providing up to 25 Mbps connectivity speed.
6. The 5G technology also supports virtual private networks.
7. 5G technology offers high resolution for cell phone users.
8. Through remote management offered by 5G technology, a user can get a better and faster solution.
9. The uploading and downloading speed of 5G technology is touching the peak.
10. The 5G technology network offers enhanced and available connectivity just about the world.

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