

Five G Technology: A Boon for New Digital India

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Abstract

Five G technology is the fastest technology for digital communication so far we have in the field of Internet connectivity is concerned. It is also faster or speediest technology in the field of Internet data accession. The data can be retrieved at alarmingly high speed. Its speed is estimated that more than 20 Giga- Bites Per-Seconds(G.B.P.S.) means 20 Giga-Bites Per-Seconds data can be used.

With the advent of five G technology the trends in education, trade, finance, new jobs, new jobs opportunities, will have to be changed accordingly. India will have to change its education strategies, syllabus, reframe its curriculum framework for facing the challenges of the 5G technology.

India will be the largest user of these technology worldwide. With due utilization of the opportunity we have with us India can do lot of progress in all walks of life.

KEYWORDS: G.B.P.S.,5G technology, framework, digital communication

Introduction

In recently held Indian Mobile Congress our honourable prime minister has inaugurated the 5G technology. Leading companies in the field of communication like the Reliance and Airtel also has declared that just after the Diwali their technocrats shall start this technology in recent format.

Initially it will be available in limited cities of India. After that it will be expanded in other areas of the countries.

It is estimated that up to 2035,the investment in the 5G technology would be raised upto 4500 Billion dollars.

With the advent of new technology, it comes with the advantages and disadvantages. The technology can change the living style, life-style of the common man. The attitudes, vision, outlook also changes with thinking ability. As we have witnessed the change with the 4G technology advancing in India in past one decade, which has brought abrupt changes in daily life of a common man. The family trends, society, the community, from cities, villages to metropolis have changed a lot in all respect of advancement. The technological advancement also brings vertical as well as horizontal changes in the mind set, thinking, etc.

Discussion and Theory:

About 2015-16 we had 4G technology in India, which was made available by all the leading companies all over India. Jio-Company specially had made it free for limited duration of time. We had witnessed it very keenly and with more inquisitiveness. We had to learn it initially, later we had accustomed of using it. India is number one nation in making 4G technology available for common man in minimum support cost.

India was first country to make available the Internet services at minimum cost. We are going to experience this 5G new technology again with new mind-set, new generation initiatives for heartily welcome to this innovative technology.

The new technology will be operative at 20 GB per seconds data speed. Erickson Company Laboratory has made an initial survey with conclusion that India will be well ahead of other nation in using 5G technology. Five G technology will spread faster in Indian cities as compared to cities in US or UK. The mobile handset users has doubled in past two years. After launching of 5G technology it is estimate that 59% of the customer can change their handsets in just one year. One can estimate how faster would be the spread of the 5G technology in emerging India.

The changes in the living style of a common man will be noticeable. A common man living in a remote village of India can work with a person in USA in a few nanoseconds. He can communicate with any person in the world in fraction of seconds.

One can access anything within a fraction of seconds. You can do a course online run by MIT –USA if you clear eligibility criteria of that university.

One can avail the knowledge, information and the new technology at same high speed at anywhere and from anywhere in the world.

The question can be raised whether this new technology be learnt with same efficiency as we had learnt 4G technology or India will have to prepare special manpower for use of this 5G technology. Will we have to make essential changes in our school curricula or shall we have to make change in University syllabi to adopt this technology.

Phigital is a combination technology formed due to combining the Physical and Digital technology which is used for professional education. Due to acute limitations the students are facing problems in seeking jobs. The advanced technology like Virtual reality would help to improve the quality of digital education in India after introduction of 5G technology.

Who is going to use this technology is the fore most important question. With the introduction of 5G technology, augmented reality, Virtual reality technology will also arrive which needs immense data for its operation.

How to manage data, how to store this large data is also important question. India would like to develop a technology which can handle this new technology. With the help of advanced apps developed for CCTV, Video streaming a surveillance would be developed to make data safe to use.

Conclusion

We will to use the 5G technology justifiably, positively and optimistically. Decentralization is also one of the root cause of every technology. Same would be the rule applicable for 5G technology in India. For 5G technology using block-chain technology the decentralization will be easier to implement. Industry 4.0, Web-3 are the new technology which India will have to take care of. The disadvantage of the 5G technology is that data stealing, fake data, data misuse, data misplace, data hiding, etc.

India can earn up to one lakh crore rupees through the market by replacing the semiconductor mobile device for assimilation of 5G technology vast and extensive datastorage. It will be a challenge to face deep fake technology which can be used for virtual truthality(virtual reality) by using 5G technology.

Indians will have to change the education system, technical education

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