Technology Post COVID19 - A Review

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ABSTRACT
COVID-19 has been a caution light worldwide. We must realise that this calamity or crisis happen and is inevitable. It has provoked previously inconceivable uses of technology in all walks of life. Among the socio-economic disturbance caused by covid-19, technology will play a vital role in rebuilding the future. This technology transformation or reshaping will result in a contact-less society. The current collaboration tools provide for substandard interactions. This review article is an attempt to check out the importance of technology post COVID-19 so that another pandemic would see mankind facing it with modern technologies.

KEYWORDS: Artificial Intelligence, cloud computing, cyber security, block chain technology

INTRODUCTION

Covid-19 has shown the value of digital transformation which allows businesses and lives of individuals to continue as normal during the pandemic too. As a result of lockdown work from home is a new reality, online classes are being conducted to complete syllabus, social distancing in stores and outlets, COVID safe deliveries by e-commerce companies, teleconsultation by doctors/medical teams, virtual meetings, presentations and conferences. Applications such as zoom and Google meet also have a sudden shoot in usage. From meetings with 4-5 participants to a huge crowd for seminars, national and international, for kids and adults, a massive population start living and moving with covid-19. This swing is likely to continue in future with covid-19 in world as people would like to keep up social distancing custom, which is going to change our daily lives and things are not likely to return to pre-pandemic mode.

We now know that virtual collaboration tools do not create the strength of relationships, emotional connections, or empathetic responses that physical face-to-face connections do. There are many theories including a hypothesis that current cameras and screens do not sufficiently convey the micro movements in the eyes, face, and body which we unconsciously detect and interpret. Someone somewhere will fix that!

When on a video conference, if you look at the picture of the person to whom you are speaking, you cannot be looking at your camera. Hence, the other person does not feel that you are speaking to them. They will develop a screen that has a virtual camera embedded in it and which continually moves to the spot on the screen where it detects your eyes are looking.

Technologies that will be demanded the most
ARTIFICIAL INTELLIGENCE

Artificial intelligence is the key tool used in analysis and research currently. it is even used for analysing medical data, preparing treatment plans, detecting hotspots, contact tracing and so on.ai is notable in technological landscapes and even in other fields too.

When the world refresh after covid-19, companies and factories restarts their functions and operations. They might face lack in workers, labourers and employees being unsure about the safety in their workspace, which may affect the productivity. Thus, AI will be adopted in order to boost up their production and for their operating tasks. According to recent studies more than 70% of the managerial jobs are taken by Ai chatbots and virtual assistance

Surveillance camera footage, location data from smartphones, contact tracing, facial recognition systems powered by AI are used to enhance the surveillance systems of governments, even after this pandemic security systems will be controlled by AI.

Online platforms such as zoom, Skype, gmeet, viewer etc., that are developed using AI, has increased in its usage during this pandemic. meetings, discussions, seminars and even

international conference is being conducted using AI developed applications. Some schools adopted distance learning programmes making teaching more interactive and interesting for students. Right now, thousands of employees are working from home, which has increased the productivity of many employees; Companies are planning to implement work from home as a permanent strategy for some percentage of their employee.

CLOUD COMPUTING

Cloud computing stores large amounts of data and access remote server without affecting device storage. Based on a study it is likely proven that cloud technology may receive and increase in implementation, this technology received a huge hike in its usage worldwide. As many organisations adopted WFH and online learning models, the demand of cloud-based video conferencing is also increasing. 75% of all venture details will be deployed on or migrated to a cloud platform by 2022. Cloud innovation is probably going to be used over a wide range of applications. As interest for this transformation keeps on developing, usage into versatile applications with simple access will be critical, but for the cloud anything is possible.

CYBERSECURITY

When thousands of people are forced to work remotely, volumes of private data may become totally vulnerable or at least not protected in a proper way. COVID-19 is accelerating the digital transformation of business, especially retail, education and healthcare. Rapid, unplanned digitisation increases the risk and impact of cyber-attacks. Usually, the main goal of cyber attacks is accessing, changing, or destroying sensitive information, and extorting money from users or interrupting normal business processes. These attacks are ceaseless with growth in their frequency and sophistication. Protection of computers, networks and clouds is commonly provided by the means of next-generation firewalls, DNS filtering, malware protection, antivirus software, and email security solutions.

COVID-19 is changing everything. Along with social distancing, controlling sanitisation, broken supply chains, shatter workforces and the hike in video meetings, the pandemic is driving acute systemic changes in consumer and business behaviour. This innovation is good news, but it is coming at a cost. As digital spreads its roots deeper, it also increases the risk and impact of cyber-attacks. The amount of possible cyber threats continually increases when technology enhances.

ONLINE SHOPPING, DIGITAL AND CONTACTLESS PAYMENTS

E-commerce has grown up massively in this pandemic. You can get what you want at your doorstep, that too. With no fear of catching Coronavirus from the delivery boy. Moreover, e-commerce platforms are also progressing to set up contactless deliveries where they pick and drop off goods at a certain location instead of handing over to a person. Some people think that cash may carry the COVID-19, so digital payments like cards or e-wallets, are the recommended payment method to make purchases. To send and receive funds faster as this technology is taking over.

BLOCKCHAIN TECHNOLOGY

The COVID-19 has exposed twist in connectivity in our global supply chains. So there is an awful need to build transparent, practical, and connective networks. Blockchain technology can improve the transparency of businesses by the flawless combination of disparate networks. Blockchain is supporting efforts around the globe to battle the virus in many ways like tracking infectious disease outbreaks by tracking public health data surveillance, crisis management using smart contracts concept. The surveillance is providing awareness to people about the latest research on Coronavirus by WHO, donations tracking by tracking where funds are most urgently required and by continuously tracing their donations until they are provided, and securing the medical supply chain.

CONCLUSION

Today the greatest risk of worldwide calamity is this pandemic and vastly infectious virus that's more ruinous and may kill many people. The clarity that we have received through this current COVID-19 situation, that we were not geared up for this pandemic situation. The next pandemic is not a matter we would be prepared in advance against the pandemic at an individual and in a group. Indeed, the technology has advanced more and will continue to advance fastly, but the human institutions and societies need to accelerate in adapting to it and continue investing in building the technology systems for the preparedness. After the COVID-19 outbreak, it is evident that, from AI to robotics, the technology innovations are helping to manage the epidemic and better equip to fight future public health emergency in a timely, systematic, and calm manner.

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