TECHNOLOGY AFTER COVID - 19

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ABSTRACT

As we all know how badly Covid-19 has impacted our lives both on personal and professional side. At this point of constant fear and uncertainty,we adopted technology as our lifeline. Schools and universities were shutdown due to pandemic.Educational institution started giving online lectures and made sure education is not affected due to pandemic. The businesses which have gained the most include OTT (Over the Top) platforms such as Netflix, Amazon Prime, Hotstar etc.   Grofers, Big basket.

Online streaming of shows and movies have gained attraction across the world. OTT platforms have witnessed a significant rise in both viewership and app download during the pandemic period. Apps like Aarogya Setu helps in tracking the Covid-19 spread the identifying people even if they are wearing a mask.Technology also help in monitoring movement of quarantine people.Technology also helped in educating people about the pandemic situation and also to take necessary precautions.People preferred to place grocery orders online with instead of going to the market as a precautionary and safety measure. This is leading to increase in sales of e-commerce companies. This ecommerce boom is affecting offline retail stores. Videoconferencing platforms such as Ms Teams , Zoom, Google Meet, Webex etc. are helping people and businesses to remain connected and work from home during lockdown. Education Technology companies such as Amity Future Academy, Byjus, Coursera , Udemy etc. are making online teaching a new normal. We are truly becoming a Digital World after the advent of Covid-19. This paper explores the technological trends during Covid-19 pandemic.

INTRODUCTION:

Corona virus which is commonly called Covid-19 is an infectious. It courses illness in the respiratory system of human. It is a new virus that is impacting the whole world badly as it is spreading through contact from person to person. Covid-19 was firstly identified in December 2019 in Wuhan city of china.

In March 2020 we declared the covid-19 outbreak a pandemic. Now it has spread throughout the world. As we know no proper drug or vaccine was been developed for treatment of this diseases, Prevention was the only cure of it. There are some that we can do cover your nose and mouth with mask. Wash hands regularly with soap or sanitizer. Maintain a distance of at least 5-6 feet. Avoid touching your eyes, nose and mouth. The virus expanded throughout the world and humans were forced to seat home. Lockdown was imposed in all the countries to prevent people from leaving their area. During such challenging time technology brought new innovations. People started working from home through web cameras and video conferencing. All the sectors wherever possible started working online through technology. Education and learning also took place online platforms.

INNOVATION DURING COVID 19

During the lockdown period everyone was restricted from going out and doing their work but with the help of technology the work was made easier and flexible many MNC's are working online having meeting through Zoom,

Microsoft Team and Google Meet. Even Educational Classes are conducted through apps. . Online games and video games has been seen increasing during this period. In the past we have faced epidemic and pandemics such as SARS, H1N1, Ebola and many more but even during this difficult time we have learned many ways of fighting and managing such diseases. Technology cannot prevent Such diseases but it can help prevent the spread, educate , warn, and empower people to be aware of the situation and to lessen the impact. Today technologies like mobile, cloud, analytics, robotics, AI/ML, made it possible to test several innovative approaches to pandemic response.
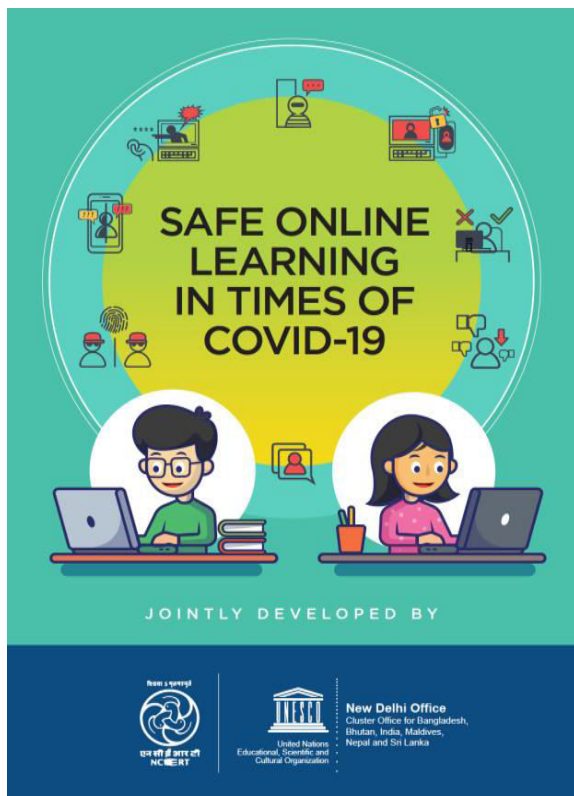
In order to reduce false information companies like Google, Facebook, and YouTube are working to guide people to the right, verified information AI place an important role in suggesting components of the vaccine by Understanding viral protein structures , and relevant research paper at an unprecented pace.

Microsoft launched an interactive COVID-19 map to provide widespread diseases news. Social platform like TikTok to help users get right knowledge about the pandemic. Telecom

operators like Jio, BSNL, Airtel and more , are Using the caller tunes to spread awareness about the pandemic.

Special recognisation technologies along with data can accurately identify people even if they are masked. Such technologies can help in monitoring moment and tracking of people who are quarantined .The wireless thermometer guns and other similar infrared body

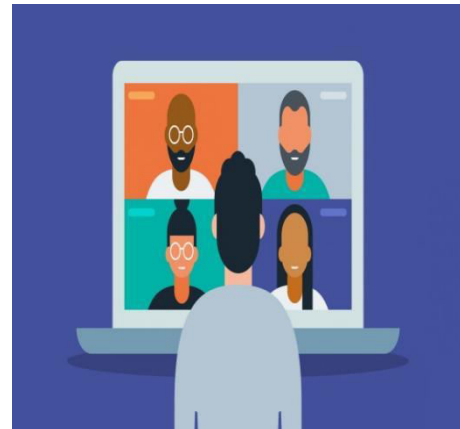temperature measuring devices has become the most important medical equipment.

Online   Learning
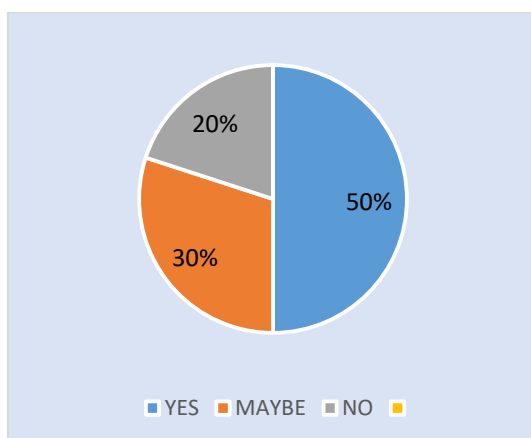

Full body sanitisation machine

Thermometer gun

Work from home

RESEARCH   METHODOLOGY

The main objective of the research was to understand the growing trend in technology and its use during pandemic. The research is solely based on secondary data (articles , journals ,blogs , previous reports).
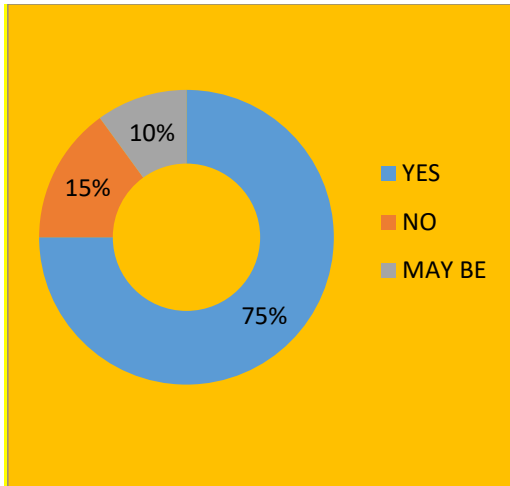
ANALYSIS   &   INTERPRETATION

* The below chart represents the percentage of people (if taken a group of 100) who are addicted to Technology before the outbreak of Covid -19
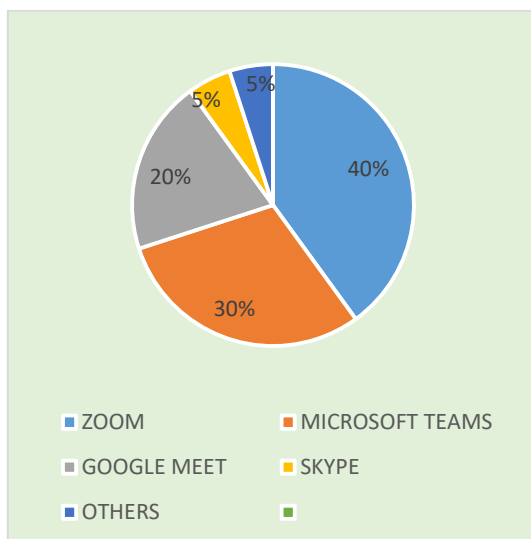

The survey shows us our dependability on new innovations and technology in our day to day life during pandemic and even after it . From Entertainment platforms like Amazon Prime , Netflix , E-Learning to work from home.

* In the below chart we see a increase in use of technology after the outbreak of Covid 19. According to research 75% are using technology in their daily routine . Whereas 15% don't feel the same and 10 % are not sure. Due to complete lockdown after pandemic people are forced to stay indoor thus increasing their addiction to digital and social media.

* Due to pandemic many of them have to go for work from home even conference meetings of many companies where conducted online. Even schools where conducted online .The below diagram represents the use of different video conferencing app used during pandemic. The demand for all the apps are increasing so much that even the software companies are facing high traffic on their apps.

ADVANTAGES & DISADVANTAGES OF TECHNOLOGY DURING PANDEMIC

EFFECT ON STUDENTS LIFE

During pandemic everyone were restricted to go out, so where the students. Education was made on line. Initially online education felt better. But as the time passed came to know that along with advantages their are many disadvantages of online learning.

The main advantage is that they can utilise their quality time in studying and other activities in which they are interested. Can spend maximum time with family members. They have saved their transportation time to school , prayer , and many more activities conducted in school .

On the other hand we realise that the adaptation rate for online classes is around 50-60% whereas in the classroom the adaptation was around 80-90%. Screen time of the students have increased a lot which affect their eyes. Small kids studying in playschool and primary grades find difficult to adapt to online classes.

WORK   FROM   HOME

The main advantage of work from home is best way to save money for both company and employee as well. We can spend quality time with our family. Flexibility in time is another advantage as we can organise the time and task according to our needs. One can increase the

quality of work by performing the task in the best possible way.

Thinking on the other hand the disadvantage may the employee may not be able to concentrate on his work at home as all the family members are at home. Secondly no fix working hours as the employee has to give its best.

CONCLUSION

After the COVID-19 outbreak it is. It is obvious that from AI to robotics. The technology innovations are helping to manage the pandemic. Technology helps us to stay connected with our families , offices, friends and near and dear ones. The next pandemic not matter of if it happens or when it happens we would be prepared in advance against the pandemic at an individual and collective level. The technology has advanced more and will continuous to advance, the society need to accelerating in adapting to it and continue in investing in building the technology system.

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