Use of Various Technological Devices along with the Software to Conduct Education System during Lockdown for COVID-19

Ankur Mahato

State Aided College Teacher, Category - I , Department of Education, Bandwan Mahavidyalaya, Bandwan,

Purulia, West Bengal,

Abstract: Today is the very important situation to tackle humanity as well as nation. Running through a very critical situation at present time. The corona virus continues to have a detrimental effect on human life in various fields in India, which has resulted in considerable damage to the socio-economic aspects of the country. In education, the teacher disrupts the reading process through face-to-face communication between the students; even corona virus has directly or indirectly affected the teaching method. The teaching-learning process completely dependent on media or electronic devices, that is to say, the teaching-learning process has become much more mechanized. At this time the educational process is not taking place properly from within the educational institutions. The education of the present time has become much more dependent on the various instruments created by technology. In this case, teachers and students are facing financial pressures in various ways and are managing the teaching- learning process properly and consciously. In this paper an attempt is made to know the Use of Various Technological Devices along with the Software to Conduct Education System during Lockdown for COVID- 19. The qualitative research method was followed.

Keywords: Education, Corona virus, Hardware, Software.

INTRODUCTION:

COVID-19,that is also known as Novel Corona Virus, is associated with the respiratory as well as infectious disease in humans which has been confirmed as a nation along with the global epidemic and pandemic in the first quarter of the year 2020 by the World Health Organization (WHO, 2020). Corona virus disease is a one type of infectious disease caused by a new virus that abruptly emerged in late 2019, which is spread day by day to whole country in the world(Suppawittaya, et al, 2020).It was reported that the disease appeared to have originated in Wuhan, China where wild animals, including bats and snakes, are traded illegally (Guo, et al, 2020).Today, the deadly virus, the corona virus, has affected the country in various ways, socially, economically and religiously, and the education sector has not been spared. The overall education system is creating various problems in terms of management as well as administrative, academic. Similarly, the teaching process in particular has been able to bring about a radical change in such an important element as the teaching method. Teachers-students are moving their teaching process out of the formal way and taking the overall education system through a hostile environment through informal education system as well as non formal education system. In the field of education,

on the other hand, the use of hardware and software of technology science is being noticed to a great extent which is helping to maintain the continuity of the teaching-learning process, so it can be said that the use of technology science as an alternative to traditional education. On the one hand, the technology that has helped the teacher-student to move forward in the same way as the continuity of their teaching process and in other words, even in today's unfavorable times, teachers and students have become more aware of the use of technology as well as maintaining their educational momentum through the use of technology.

Hardware:

The hardware approach to the technology of education considered the application of mechanical materials and instrument to education sector. In this case, audio visual aids like charts, models, slides, audio cassettes and sophisticated equipment and gadgets like projectors, radio, television, tape recorder, video, teaching machine, laptop, and computers come under the category of hardware (Aggarwal, J.C, 2014). This approach is based on the application of engineering principlesfor developing electromechanical equipments as well as instruments.

Software:

Software is basically divided into categories. Application software refers to user-downloaded programs that fulfill a desire or need(Rouse, M. 2020). Examples of applications software include office suites, database programs, web browsers,communication platforms, word processors, software development tools, and image editors. Theorigin of the software approach isdependent on behavioral sciences.

OBJECTIVE OF THE STUDY:

The present study has been undertaken the following objective:

To know theUse of Various Technological Devices Along with the Software to Conduct Education System during Lockdown for COVID- 19

METHODOLOGY OF THE STUDY:

The qualitative research was used to conduct the study.

NEED AND SIGNIFICANT OF THE STUDY:

Corona virus is one of the deadliest viruses in the world. Today, human life in India and around the world is being damaged in various ways. In order to protect themselves from this virus, lockdown have been introduced in various countries, which has disrupted the normal reading system in the field of education. Therefore, the education process has become more dependent on technology to move forward in the teaching method. Various technological device and software have been applied in the field of education in various ways, which have been able to keep the teachers and students more active, as well as maintain the continuity of education. Teachers and students have been able to learn the positive aspects of using various devices and software in technology science.

Therefore, it can be said that various devices of technology and software applications are being used extensively in the field of education which has made education more active as well as dynamic.

Use of Various Technological Devices on Education during Lockdown for COVID-19.

Inthe technology produced by various technological device used in the education system to overcome the obstacles encountered in the education system during this lockdown period. The following description is given bellow;

Use of Mobile Phone on Education: Mobile phone are one of the most important technological device on education field, which are helps students and teachers to acquiring knowledge to their education sector during lock down period. Especially studentshave been helping the education system to move forward successfully. In various ways to keep the education system afloat as the education system is being damaged during the current lockdown, which is helping to make the education system more understandable and meaningful to the students along with teacher to days. On the other hand, the students are also becoming more aware about the use of this technological device.

Use of Laptop on Education: Another important technological device is the laptop. Now-a-days almost all students in higher education have laptops. In the current hostile environment, they use their laptops in a variety of ways, which helps them to finalize the continuity of their education as well as the students can take the learning process forward properly in this case each student can learn at their own pace which is very relevant in the present day.

Use of Television on Education: Television is one of the most audio-visual aids of technology. Television is an interesting device or medium through which students can easily understand many complex issues of their education system. Television has two important aspects; one is the hearing aspect and other the visual aspect. In today's lockdown period, television has become one of the most important means of education for students from lower to higher levels of education, especially in the tenth and twelve grades of education in West Bengal (Ghosh,B, 2020). Through the students are fully aware of their pre-planned curriculum and at the same time the students are becoming more and more interested in being able to maintain the continuity of their learning.

Use of Computer on Education: Computers are another important and valuable device in technology. Although computers are not readily available to students of all levels of education, it can be said that computers play a more effective roles, especially for students in higher education. Therefore, it can be also said that in this lockdown period, the computer helps the students as well as teacher a lot in maintaining the continuity or speed in higher education. In addition, students managed themselves through self-learning.

Use of various software applications on education during lockdown for covid19:

Inthe various software applications used in the education system to overcome the obstacles encountered in the education system during this lockdown period. The following software application is given bellow;

Use of Whatsapp Application on Education:

In the current lockdown period, the WhatsApp software application is widely used in education. Through this app, teachers and students are taught individually or in groups, i.e. they exchange various information on education. Through this app, the teacher sends various types of pictures, videos, etc. related to education to the students.

Use of Facebook Messenger on Education:

Facebook Messenger is one of the most widely used social media tools in education today. Through which in the current lockdown period the teacher completes the teaching work with different types of information content to his students.

Use of Telegram Application on Education:

Telegram software application is a social network. This software application is used in various fields, one of which is the field of education. This telegram application is used in various aspects of education in the present time since the presence of lockdown.

Use of GmailSoftware Application on Education:

A Gmail account is one of the best ways to store or exchange information. The use of Gmail can be seen in every step of education in the modern era. So it can be said that Gmail is being used extensively in the current lockdown period. Student teachers exchange various content of their teaching, information through this Gmail account.On the other hand, at the present time, its use as an alternative to the teacher-student as a means of collecting various information of reliable education is increasing.

Use of Google Classroom Software Application on Education:

Google Classroom is a software application that is currently one of the leading online media for teaching. Through which the teacher creates a group or online classroom with one or more students and there are different types of audio, video, and picture related topics provided in that group or classroom. In today's lockdown period, this application is being used extensively among teachers and students.

Use of Zoom Video Communications Software on Education:

Zoom Video Communications (Zoom) is an American communications technology (Wikipedia, 2011). The Zoom software application is being used the most in education in the current lockdown period. Through this application, students and teachers are able to complete direct video communication and continue their teaching work.

Useof Google Meet on Education:

Google Meet is one of the software application that is used for online video conferencing in the modern era. In the current lockdown situation, this app is being used extensively in the field of education. Teachers and students complete their teaching activities through video calls through Google Meet software.

Use of YouTube Software Application on Education:

YouTube software is one of the online video sharing platforms, through which different types of videos are shared. Teachers, students can learn by watching various educational topics from this YouTube. In the current lockdown period, students can easily watch videos on their subjects and learn from them. The use of YouTube in this situation today is widely noticed among the students.

Use of Discord Software Application on Education:

Discord is a proprietary freeware instant messaging and VoIP applications (Wikipedia, 2015). In the current lockdown period, teachers and students in the field of education complete online voice conference calls from this discord application software. This makes the current teaching method much easier. On the other hand, this application software plays an important role in making the content understandable to the students.

Use of Skype Software Application on Education:

Skype is a very much important telecommunications application that specializes in providing video chat and voice calls between computers, tablets, and mobile devices (Wikipedia, 2003). Its use in the current lockdown situation can be widely noticed in education. Skype also provides instant messaging services.

Use of Google Duo Software Application on Education:

Google Duo is a one type of video chat mobile application developed by Google. In the current lockdown period, the use of this Google duo software application is being noticed to increase the teaching process through video chat to keep the teaching process active and dynamic.

CONCLUSION:

In the light of the above discussion, it can be said that the only dependent aspect of overcoming the stalemate in the field of education in today's lockdown period is the use of technology is very much important. At present, teachers and students have been able to know how important the role of technological devices in the field of education. To know the positive aspects of the use of technology.Therefore, it can be said that teachers and students should be more aware about the use of technology in education purpose, due to the widespread use of technology in education students are becoming more aware of the good aspects of technology.

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