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A Study on Impact of Corona Virus (COVID - 19) on Education System in Reference of E-Education

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Abstract

The petrifying and severe impact of COVID-19 has shaken the world to its core. Due to which most of the Governments around the world have temporarily closed educational institutions in an attempt to contain the spread of the COVID-19 pandemic. In India too, the government as a part of the nationwide lockdown has closed all educational institutions, as a consequence of which, learners ranging from school going children to postgraduate students, are affected. Therefore, the government has come up with e-learning program.

Nevertheless, Covid-19 has prompted experts to rethink the conventional mode of education. More importantly, it has also brought the hitherto peripheral issue of digital education in India to the centre stage. As well, it will provide an opportunity for educators to come up with customized learning solutions for every student.

Digital learning has many advantages in itself like digital learning has no physical boundaries, it has more learning engagement experience rather than the traditional learning, it is also cost-effective and students get to learn in the confines of their comfort zone. However, digital learning is not without its limitations and challenges, since face-to-face interaction is usually perceived as the best form of communication as compared to the rather impersonalized nature of remote learning.

Key Words: *Online Education, Digital Learning Platforms.*

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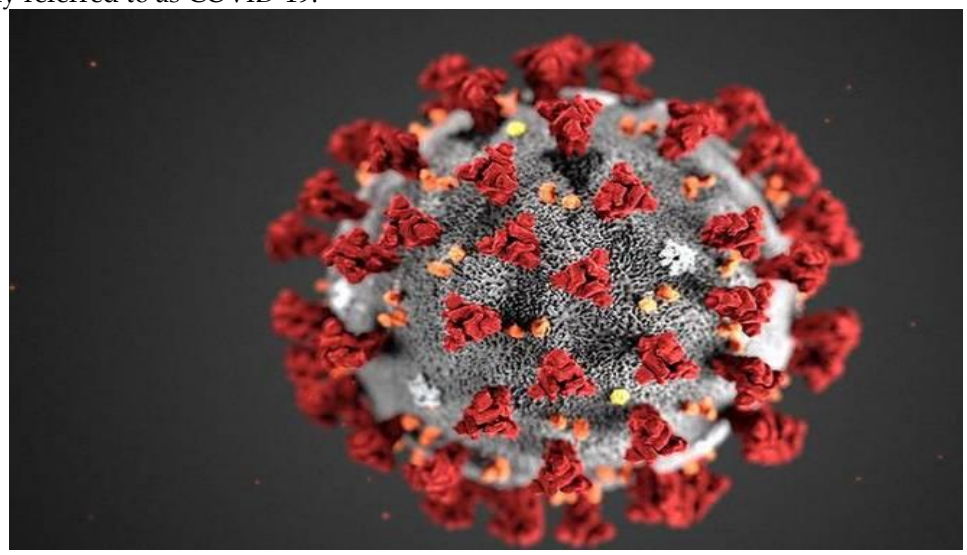
1. INTRODUCTION

The "CORONAVIRUS" eruption came to lightweight on December 31, 2019, once China up on the "World Health Organization" of a (WHO) cluster of cases of respiratory disorder of associated unknown cause in Wuhan town at Hubei Province. Later on, the sickness unfolds to a lot of Provinces in China and, therefore, the remainder of the globe. The UN agency has currently declared it an endemic. The virus has been named SARS-CoV-2, and consequently, the sickness is presently referred to as COVID-19.



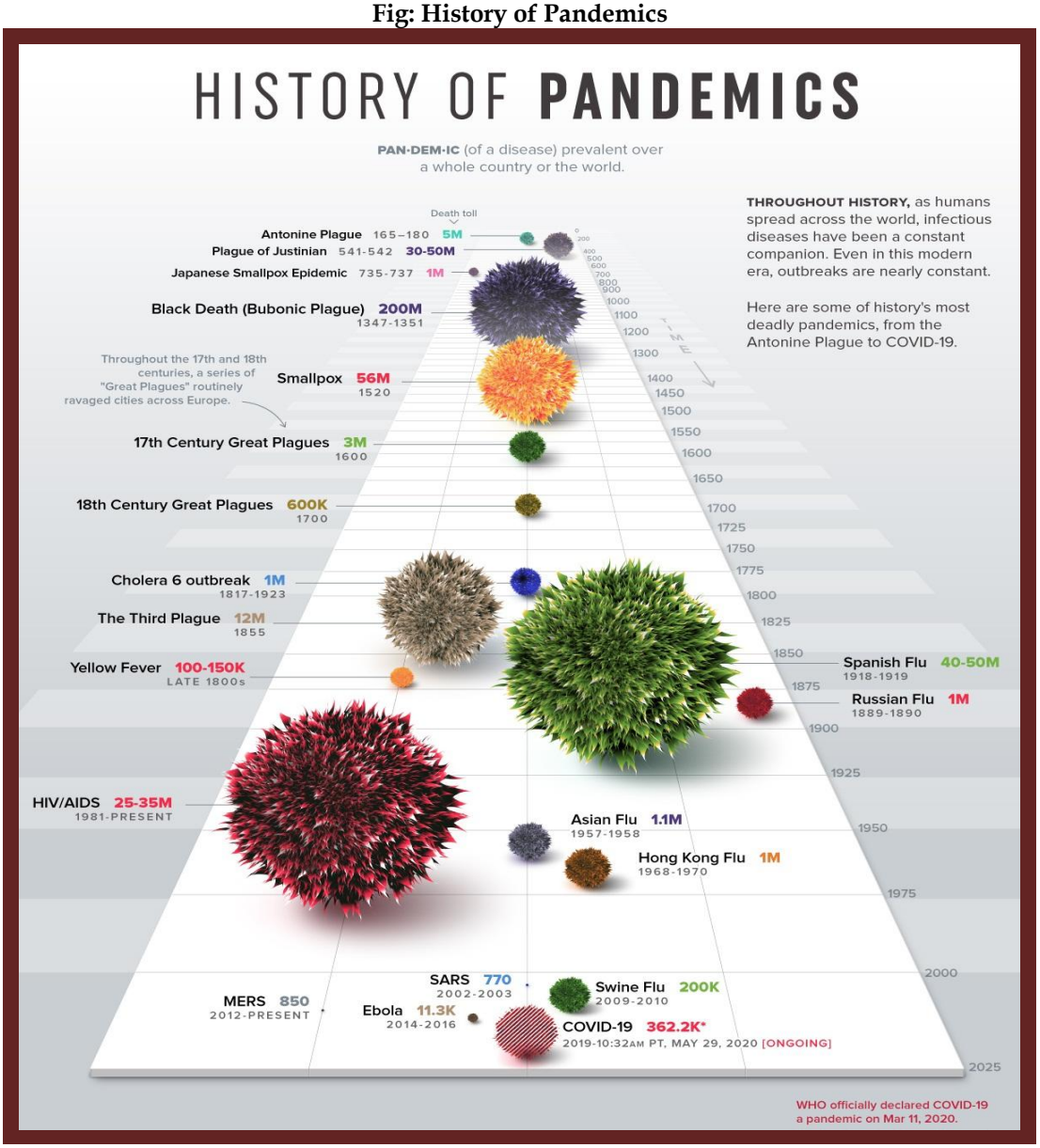
The petrifying and severe impact of COVID-19 has shaken the world to its core. Further, most of the Governments around the world have temporarily shut down educational institutions is an attempt to control the spread of the COVID-19 pandemic. In India, too, the government, as a part of the nation-wide Lockdown, has shut down all educational institutions, as a consequence of which, learners ranging from school going children to post-graduate students, are affected.

A Timeline of Historical Pandemics

Disease and ailments have plagued humanity because of the earliest days, our mortal flaw. However, it becomes now no longer till the marked shift to agrarian groups that the dimensions and unfold of those illnesses multiplied dramatically. The widespread exchange created new possibilities for human and animal interactions that sped as much as such epidemics. Malaria, tuberculosis, leprosy, influenza, smallpox, and others first regarded at some point in those early years.

The more civilized humans became – with larger cities, more exotic trade routes, and increased contact with different populations of people, animals, and ecosystems – the more likely pandemics would occur. Here are some of the major epidemics that have occurred over time:

Fig: History of Pandemics



The unfolding of this pandemic results in national closures, which affect more significant than 91% of the worlds' pupil population. Several different international locations have applied localized closures impacting tens of thousands and thousands of extra learners. UNESCO is assisting international locations of their efforts to mitigate the instant effect of college closures, specifically for more desirable prone and deprived communities, and to facilitate the continuity of schooling for in the course of faraway learning. The UNESCO record estimates that the "Coronavirus Pandemic" will adversely affect over 290 million college students throughout 22 international locations. UNESCO estimates that approximately 32 crores of college students are

affected in India, along with the ones in colleges and colleges. Therefore, the authorities have provided you with an e-getting to know the program. Many Edu-tech corporations have attempted to leverage the event with the aid of using supplying loose online instructions or appealing reductions on e-getting to know modules. These measures were met with overwhelming reaction with the assistance of using college students with a few startups witnessing as excessive as 25% uptick in e-getting to know. Remote getting to know appears a possible strategy to college students throughout this time as they provide convenient, on-the-move and low priced get admission to lessons. E-getting to know additionally comes as an exciting and interactive opportunity compared to school room teaching. Nevertheless, Covid-19 has brought about specialists to reconsider the traditional model of schooling. Digital schooling seems to be a possible strategy to fill within side the void for school room schooling for a length of 3 to 4 months while minimizing the possibilities of any contamination to college students till the instructions resume. More importantly, it has additionally delivered the hitherto peripheral difficulty of virtual schooling in India to the middle stage. To going forward, virtual literacy is possible to be included in mainstream education. This will allow inclusive education with the aid of using facilitating getting to know throughout numerous geographies in India. Moreover, it's going to offer a possibility for educators to provide you with custom-designed getting to know answers for each scholar. An entire revolution within side the manner we research nowadays has been delivered approximately with the aid of using technology. Each scholar receives in touch with global-magnificence schooling, which isn't always clean to impart with the assistance of using the conventional white chalk and blackboard technique of teaching. This new getting to know is extra exciting, personalized, and enjoyable. A vast open online direction (MOOC) is a web direction geared toward limitless participation and loose get admission to through the web. India is taken into consideration to be the largest marketplace for MOOCs within side the globe after the USA. Since the populace of India is vast, substantial open online direction (MOOC) is stated to open gateways for a whole lot of Indians in phrases of bringing an academic revolution. Online remote getting to know packages supply an excellent possibility to avail of super getting to identify with the assist of net connectivity. Digital getting to know has many benefits in itself, like virtual getting to know has no bodily boundaries, it has extra getting to know engagement revel in place of the current knowledge, it's also cost-effective, and college students get to research within side the confines in their consolation zone. However, virtual getting to know isn't always without its barriers and challenges because face-to-face interplay is usually perceived. After all, the beautiful shape of verbal exchange compared to the instead impersonalized nature of faraway getting to know. Another assignment is that e-getting to know comes throughout as extremely patchy and impersonal revel in. Also, e-getting to know is possible to witness an excessive dropout price because of the shortage of surroundings for studying. Students would possibly tend to get distracted with the aid of using gaming consoles, social media at domestic. They may not experience a feeling of the network while taking online instructions. Successful transport of schooling is likewise in query due to the fact getting to know at the extent of better education and getting to know on the kindergarten/college stage may be unique. Digital getting to know can't be implemented the equal at each step of the training. Due to the outbreak of the pandemic, the paintings from the domestic (WFH) way of life is booming in India. As social distancing is prescribed because of the excellent manner to shrink the unfold of COVID 19, corporations are confronted with an extraordinary assignment of making sure it's miles enterprise as usual, although anyone is operating remotely. Therefore, now not most effective corporation people or

startups in India have opted for an internet platform like Zoom App to stay related to their employees who are running from their homes. Still, additionally, the academic institutions have decided on for specific digital systems to facilitate gaining knowledge of for his or her college students. However, the handiest instructional establishments in city regions can offer one's facilities. Again the questions are raised for the rookies in the rural areas, the academic structures in the rural areas, and their growth. With such a lot of distinctive methods to outline e-gaining knowledge of and the academic strategies that may be taken in those are gaining knowledge of environments, many faculties and further curriculum pastime training have begun out utilizing the technology. Through programs consisting of Zoom, Skype, Google Classroom, etc., diverse faculties of India have undertaken the assignment of teaching college students via video conferencing. Despite the safety issues which such video conferencing programs may also pose, those programs are broadly used and feature proved to be useful and with several advantages. There is a picture, sound readability, which makes supplying expertise and gaining knowledge of beneficial for each the trainer and the student. But on the equal time, there may be an evident drawback as tests should be postponed. Examinations can't be performed online. It isn't always handiest simply the query of supplying non-stop and uninterrupted gaining knowledge of at some point of the outbreak of COVID 19 pandemic; however, additionally, the maximum essential project for the trainer is to recognition on the general factors of a well-advanced route. They are developing a useful and well-described online course, which helps the trainer and learner, approach devoting the ideal time and embedding the relevant route factors into the e-gaining knowledge of the environment.

2. THE RATIONALE OF THE STUDY

This Study is designed for assessing the impact of Corona Virus (COVID – 19) on the education system. The purpose is to find out the pros and cons of E-Education, especially concerning students and teachers. Nowadays, conflict is generally in the discussion that E-Education can be a substitute for the traditional education system. This study is proposed to examine the effect of E-Education and to identify the satisfaction level among students and teachers.

3. STATEMENT OF RESEARCH PROBLEM

In the past few months, the whole world has undergone an immense change in the education pattern as a result of Lockdown due to the pandemic of the Corona Virus. Recent downturns and increased demand of E-Education has put pressure on educational institutions, teachers, and students to adopt an unexpected change in education pattern. Notably, many students feel under pressure to read books in online mode, to be seated before mobile, laptops, etc. for long hours, network issues, lack of face-to-face interaction with teachers, depression due to Lockdown, etc.

4. THE OBJECTIVE OF THE STUDY

- To study the effect of the Corona Virus on the education system.
- To study the effect of E-Education on the mental and physical health of students.
- To study the problems faced by teachers during online education pattern.

5. SCOPE OF THE STUDY

The scope of Study revolves around two factors, i.e., one is positive results of e-education and secondly adverse effects of online education from education institutes, teachers, and students' perspective.

6. HYPOTHESIS

H0: There is no significant effect of online education on students and teachers.
H1: There is a significant effect of online education on students and teachers.

7. RESEARCH METHODOLOGY

A) Data Source:

Primary Data: A questionnaire is the main tool for collecting primary data. To making the Study more practical, primary data were collected through a structured survey of 131 students (from primary to post-graduate standard) and 65 teachers (Primary School teachers to Principals of Schools and Colleges) by creating Google Forms.

Link of Google Form for Students:
https://docs.google.com/forms/d/e/1FAIpQLSf6z8xYgNUm5Lm_NDIg9L8Zq2KS7i2F8sbC2RqosIVN_6MAMw/viewform?usp=pp_url
Link of Google Form for Teachers:
https://docs.google.com/forms/d/e/1FAIpQLSey081vxKaiut-hpnuyE0PB82yH1tTeilYiEbvZeF8hk6hqdw/viewform?usp=pp_url

Secondary Data: Secondary data were collected from related research works, published books and journals, reports of government, newspaper, and websites.

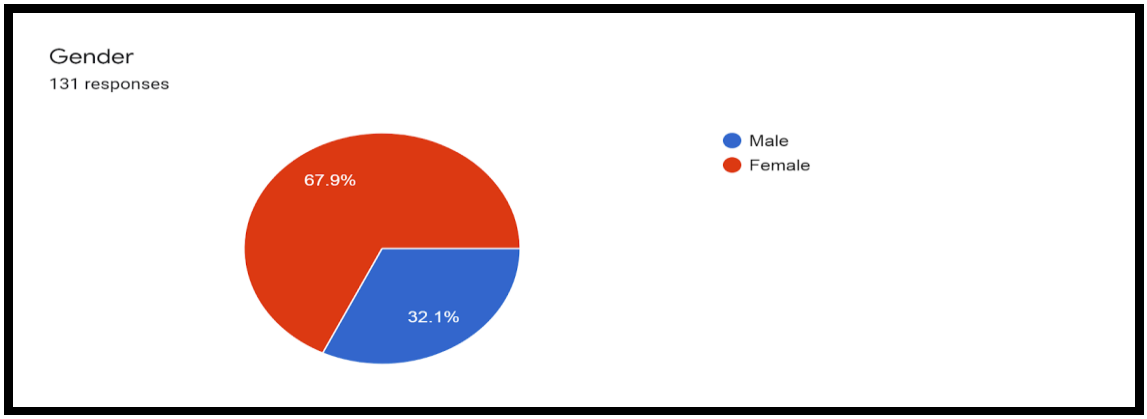
Tools used for analysis: Statistical tools used for the study analysis are percentage analysis and conventional method.

8. ANALYSIS OF DATA AND RESULTS

As mentioned above, the Study is based on seeking the impact of Coronavirus on the Educations system, which leads students and teachers towards E-Education or Online Education.

Results of Survey of Student's opinion regarding online education through Online Google Form:

Chart 1



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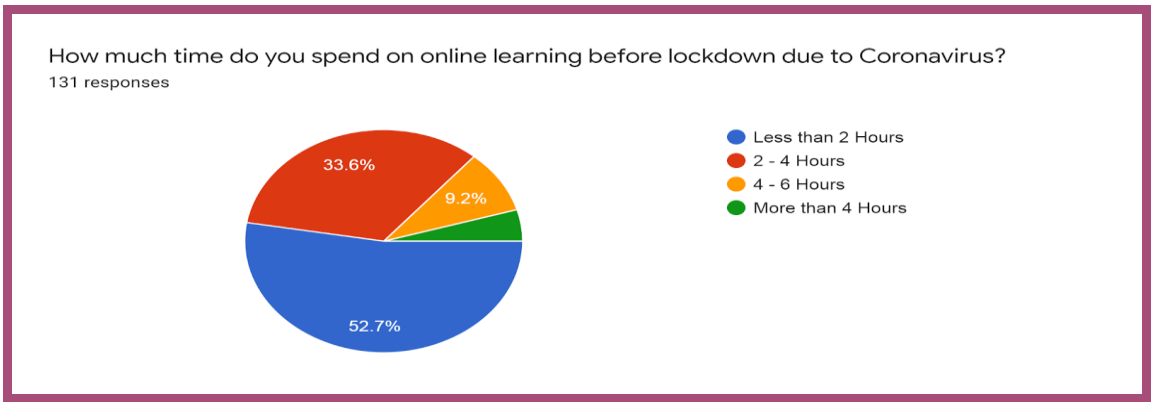

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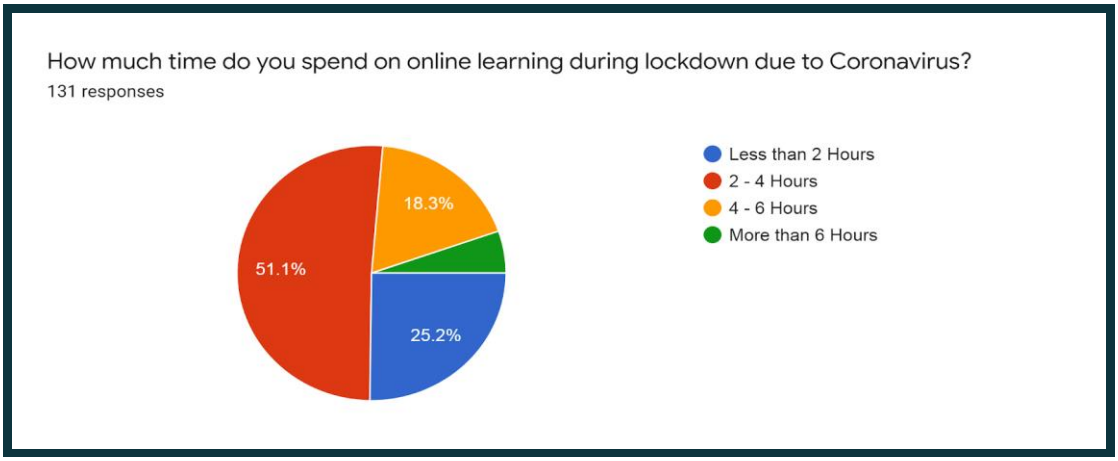

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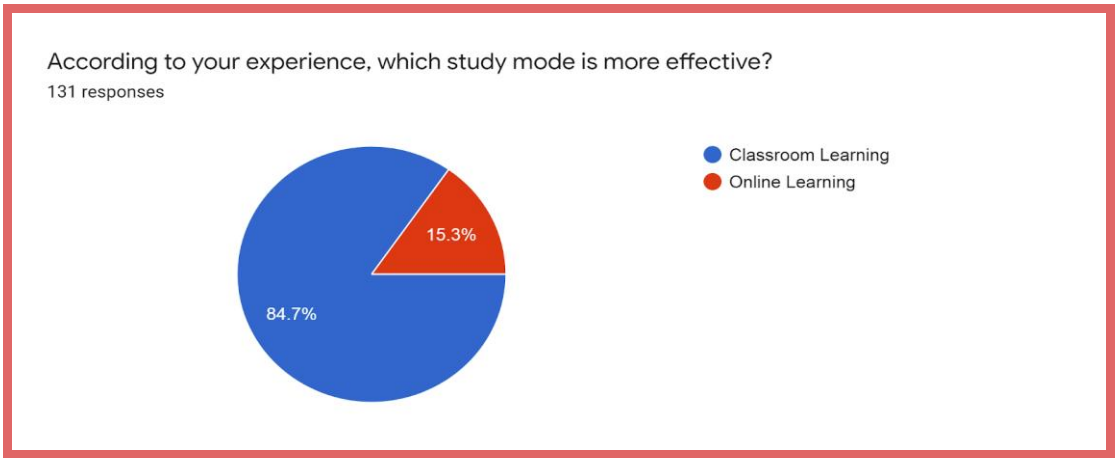

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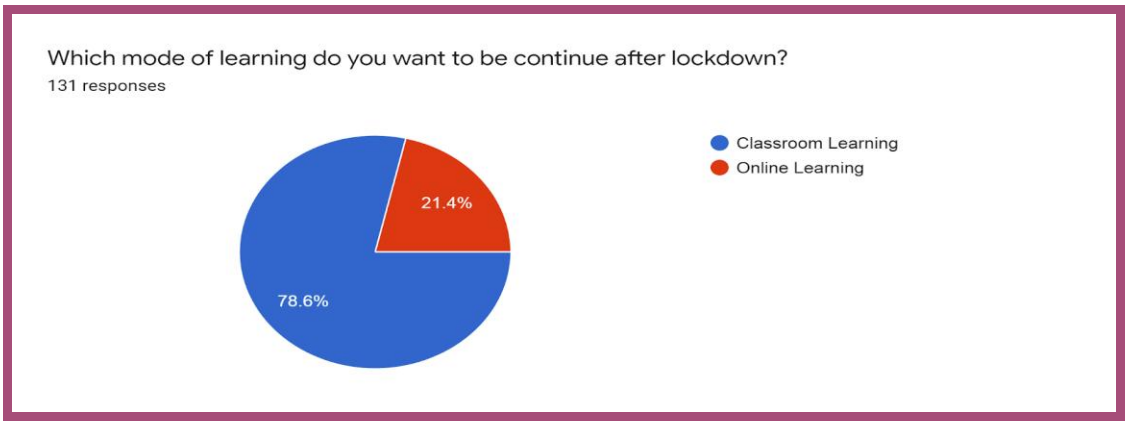

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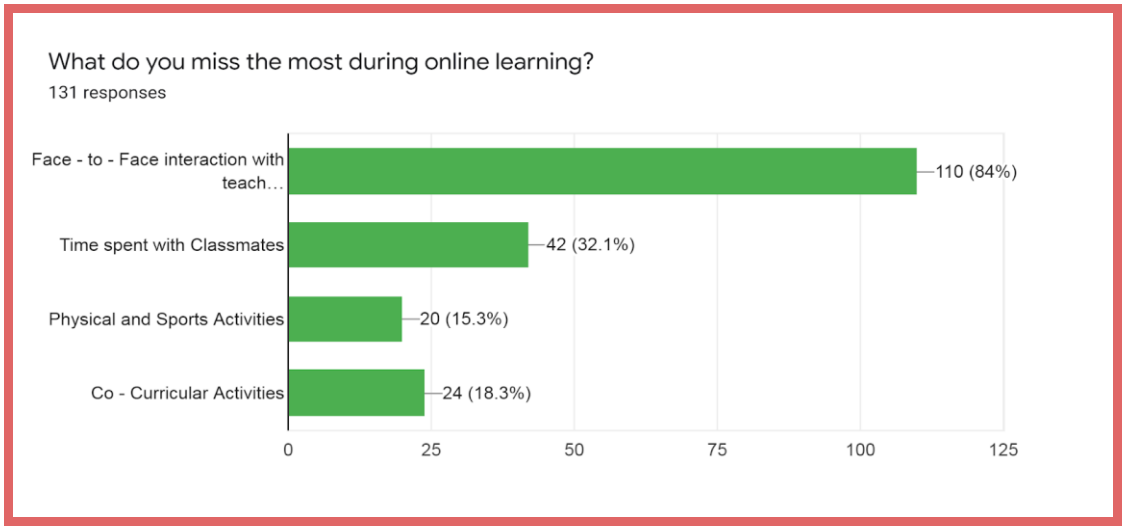

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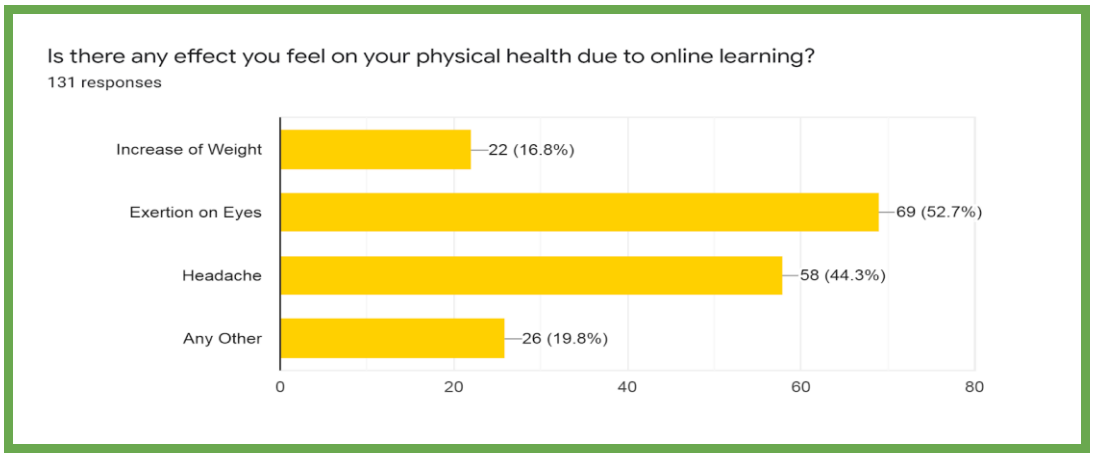

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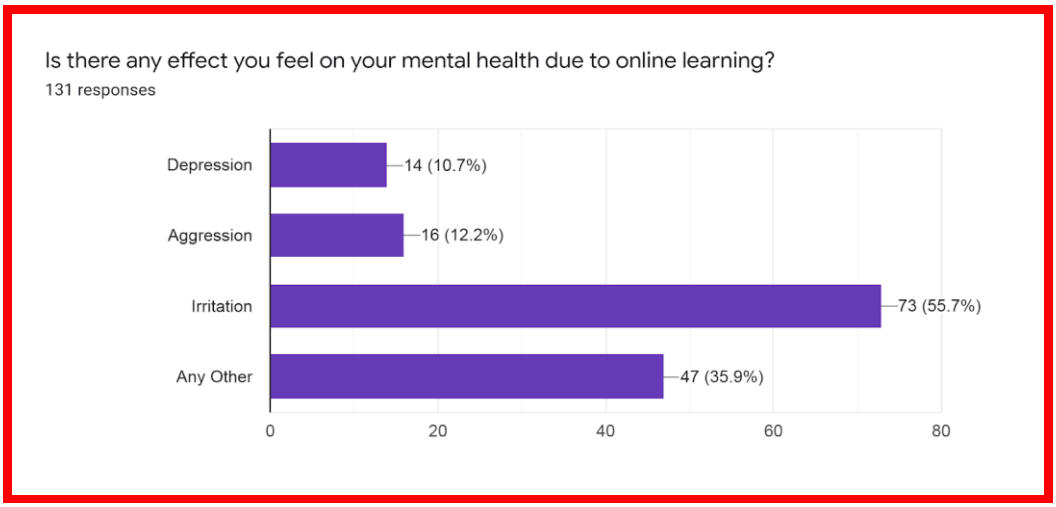

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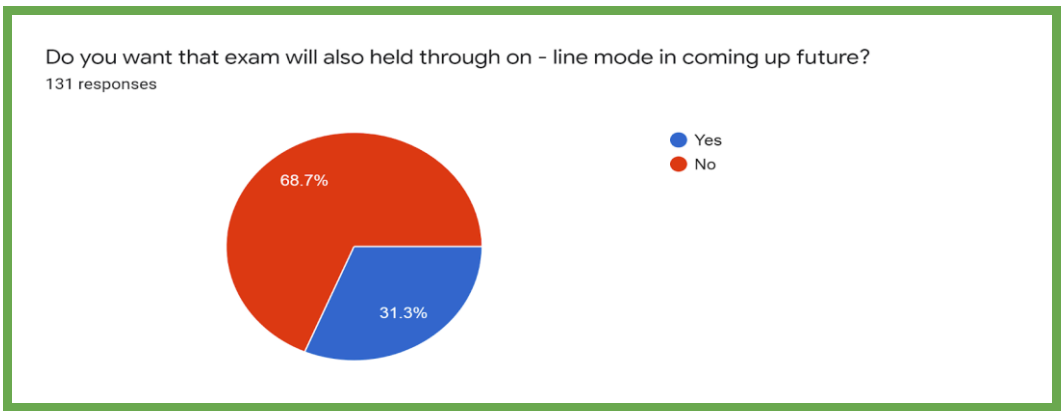
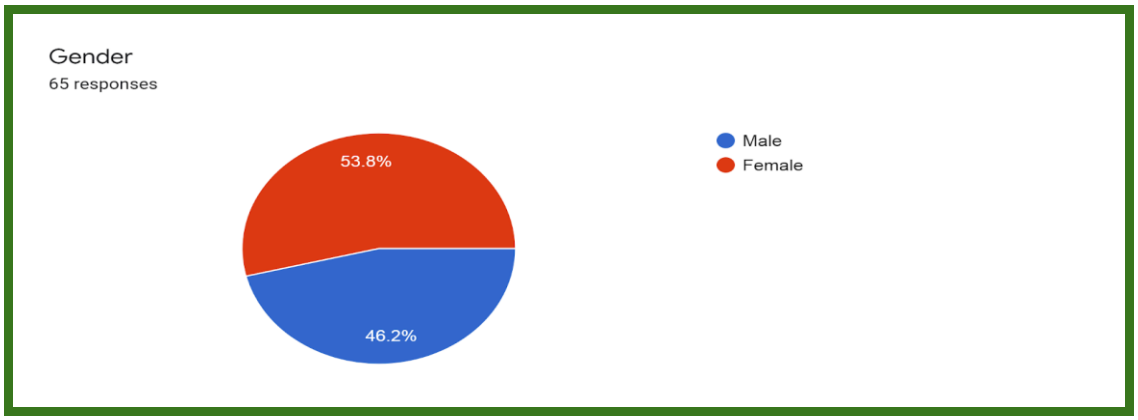


Results of Survey of Teacher's opinion regarding online education through Online Google Form:

Chart 10



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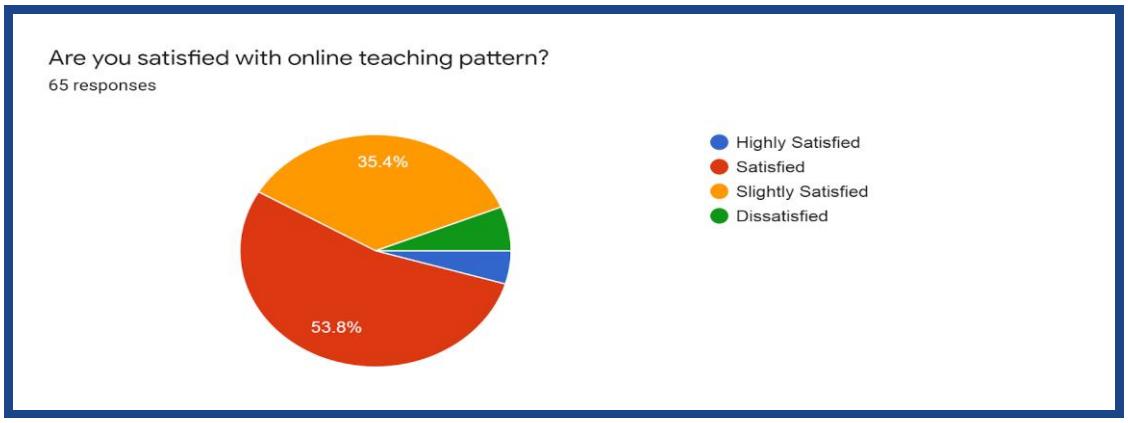

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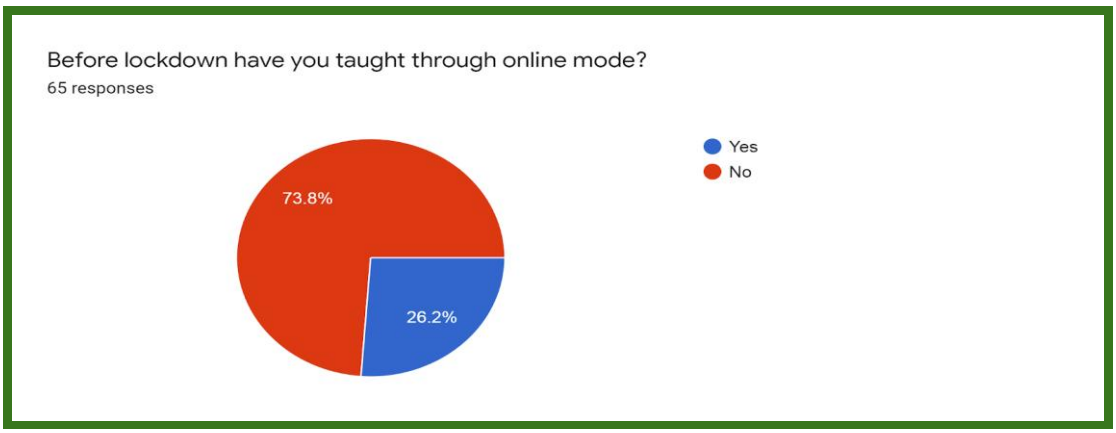

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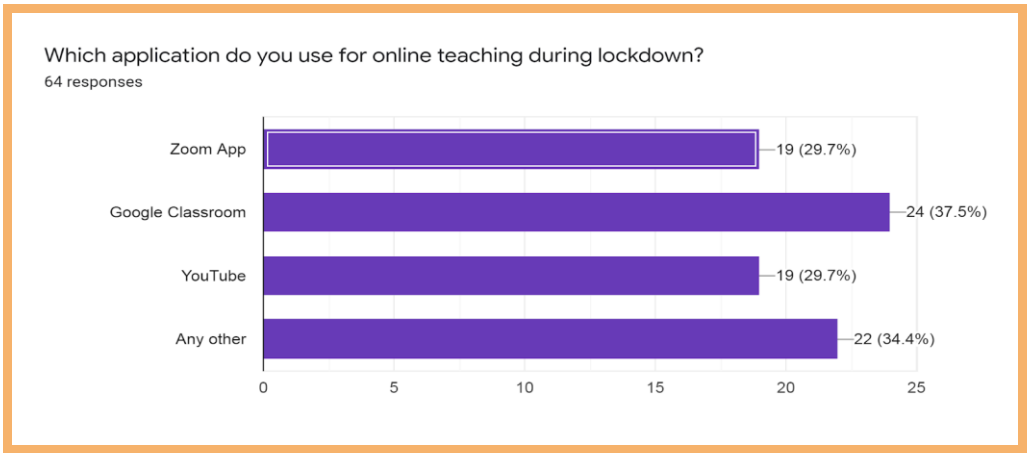

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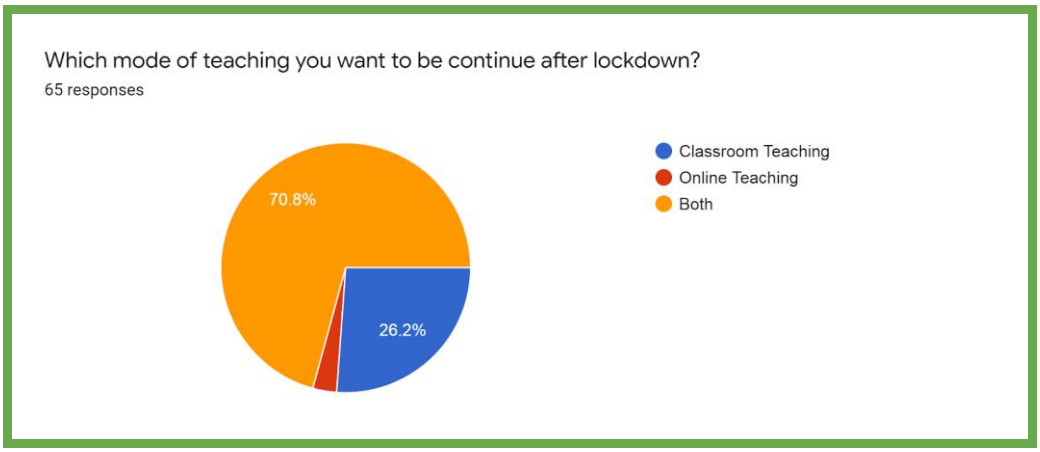

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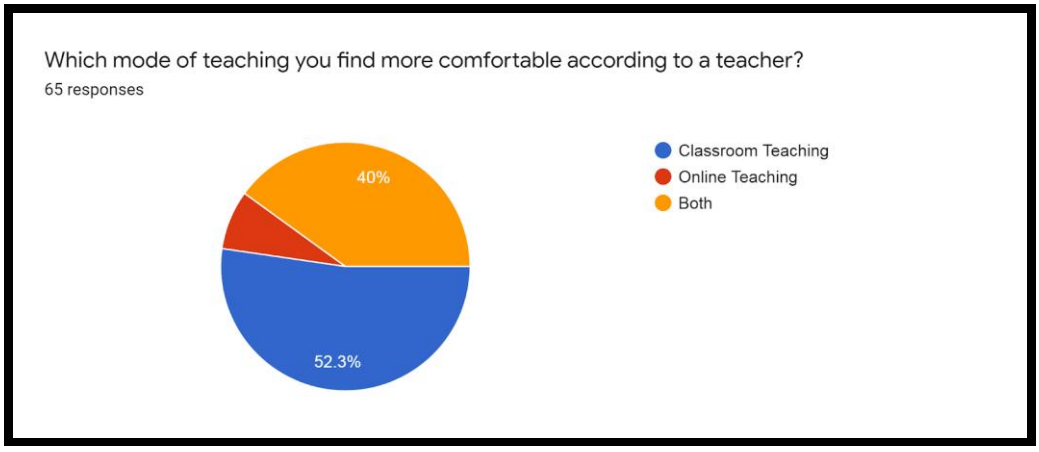

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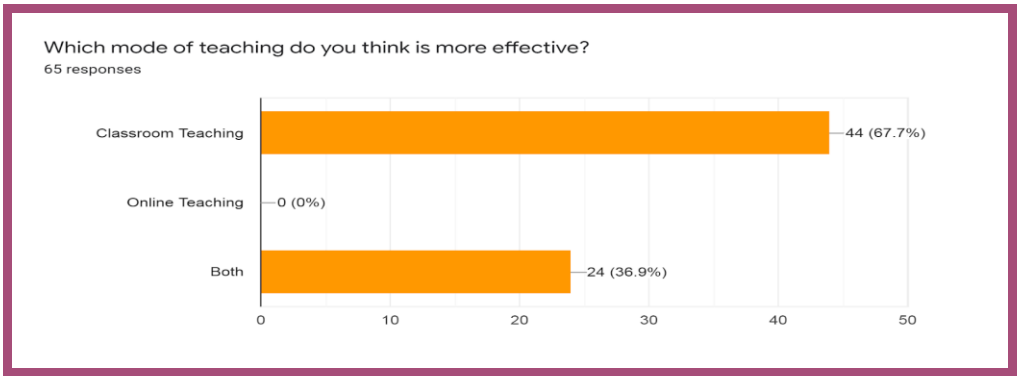

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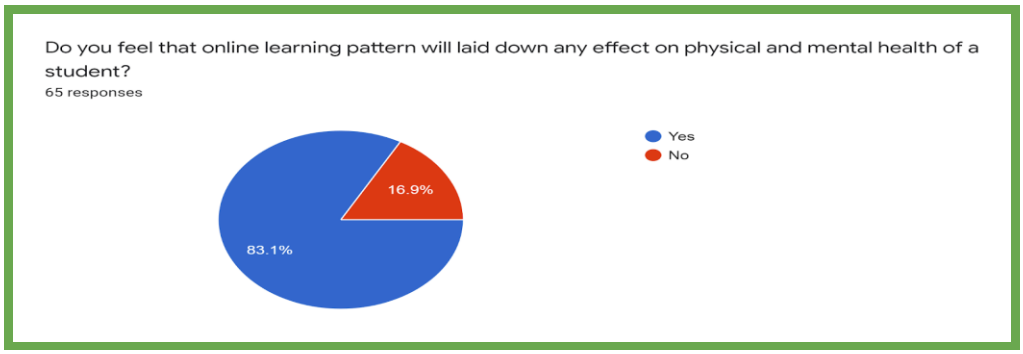

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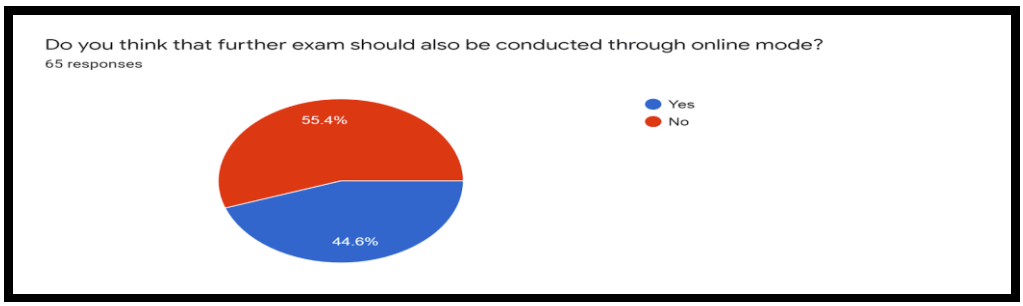

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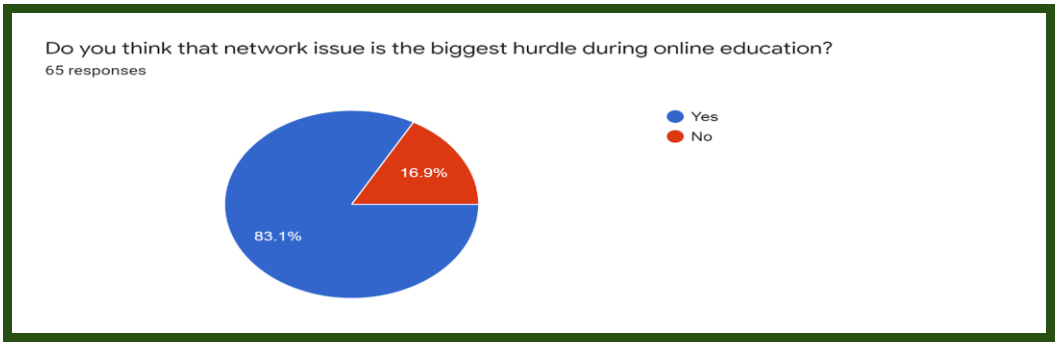

From the above survey responses, it is analyzed that online learning and online teaching can be only an option of classroom teaching during the time of trouble when it is not possible to continue the interaction between a teacher and a student. But, online modes of learning cannot substitute classroom teaching.

In the above survey, we found that the biggest challenge in online learning faced by both students and the teacher is of network and the reach of smartphones, laptops, etc. in the hand of every person.

Secondly, the online mode of learning affects the health of students in a very disruptive way in the form of headache, exertion on eyes, an increase of weight, etc. as well it affects the mental health in the form of irritation, aggression, depression, etc.
Most of the students respond that they are more comfortable in face-to-face interaction with a teacher, and in the future, they want to continue their learning by online mode.
In the very same way, teachers also respond that 73.8% do not teach via online mode before coronavirus as well, according to classroom teaching is more comfortable and productive in comparison to online learning.

9. CONCLUSION

This Study concludes that the pandemic of COVID – 19 shaken the arena to its core. Due to which maximum of the Governments around the field has briefly closed instructional establishments in an try to comprise the unfold of the COVID-19 pandemic. In India, too, the authorities, as part of the national Lockdown has closed all instructional establishments, attributable to which beginners starting from college-going youngsters to postgraduate college students, are affected. Therefore, the authorities have given you an e-mastering program. The Covid-19 has precipitated specialists to reconsider the traditional model of schooling. Digital schooling seems to be a feasible approach to fill withinside the void for school room schooling for a duration of 3 to 4 months, even as minimizing the probabilities of any contamination to college students till the lessons resume. Online remote mastering applications supply an extraordinary possibility to avail of excellent mastering with the assist of net connectivity. Globally, online schooling has met with a few successes. In the case of India, we nevertheless have a protracted manner to head earlier than virtual mastering is visible as mainstream schooling, due to the fact college students residing in city vicinity have the centers to choose virtual literacy, however, rural vicinity college students do now no longer have the specified infrastructure nor are financially robust to avail the essential sources for virtual schooling. The constructing of the virtual schooling infrastructure via way of means of the Government of India currently seems to be tough because of a loss of budget. Further, although the virtual infrastructure is built, education has to take delivery of to the lecturers to apply the virtual machine to offer actual and proper, uninterrupted, and seamless schooling to the scholars. Remote mastering more and more is based on the dependable electricity deliver and ubiquitous Internet connectivity, which is probably a far- fetched issue for Tier 2 and Tier three towns in India.
If we, in addition to the mild on the academic fabric, virtual schooling can have a restricted scope in comparison with the written and on hand content material that's furnished in an academic institute. Moreover, the authentication of the educational fabric is at stake. E-mastering will continually supply scholars with one-of-a-kind statistics in one-of-a-kind ways. So, the authenticity of the institutional structure ought to be examined earlier than those substances are circulated with the scholars. Creation of content material, dissemination of content material, and assessment of content material ought to be done. Blended schooling has to return face to face, and distance schooling ought to move hand in hand currently. Educational statistics circulated online ought to be correctly maintained. Because ultimately, those virtual informative route lessons will even cause hacking structures and intruders coming in. The virtual protection venture will stay at high, even as supplying schooling. Through using technology, we can, if now, no longer offer a wholesome opportunity to the traditional schooling machine, mitigate and catch up on the impediments posed, and inconvenience brought on because of COVID 19 pandemic to

the schooling machine and beginners via way of means of extension. Learning, as they say, is a non-stop and ever-evolving system. The instructional establishments in India, from colleges to universities, can use this gift adversity as a blessing in conceal and make virtual schooling a significant a part of the mastering system for all beginners within side the future.

REFERENCES

[1]. http://www.education.ie/en/Schools-Colleges/Information/Information-CommunicationsTechnology-ICT-in-Schools/Digital-Strategy- for-Schools/ Building-Towards-a-Learning-Society-ANational-Digital-Strategy-for-Schools- Consultative-Paper.pdf
[2]. http://www.educationinsider.net/detail_news.php?id=1326
[3]. https://en.unesco.org/covid19/educationresponse
[4]. https://www-indiatoday-in.cdn.ampproject.org/v/s/www.indiatoday.in/amp/education-today/featurephilia/story/covid-19-impact-digital-education-conventional-education-divd-1661185-2020-03-30?usqp=mq331AQFKAGwASA%3D&_js_v=0.1#aoh=15864254935324&referrer=https%3A%2F%2Fwww.google.com&_tf=From%20%251%24s&share=https%3A%2F%2Fwww.indiatoday.in%2Feducation-today%2Ffeaturephilia%2Fstory%2Fcovid-19-impact-digital-education-conventional-education-divd-1661185-2020-03-30
[5]. New Education Policy
[6]. Newspapers
[7]. Reports of Government of India