**Research Paper**

# A significant rise of online learning during covid-19

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*Abstract*
*E-learning has become the mandatory component of all educational institutions like schools, colleges, and universities in and around the world due to the pandemic crisis of COVID-19.The pandemic has deeply affected the educational system all around the globe. The outbreak of the pandemic caused colleges, schools, universities remain closed for indefinite period. This pandemic will cause adverse effects on teaching and learning opportunities. This research paper aims to study the online learning process among students who are familiar with the web based technology. Not only school and the colleges, but several private institutions have also joined in the online medium of learning so that they provide online teaching to the students. The effort of the educational institutions is commendable. With the help of tools like Zoom, Google meet, whatsapp video call, online educationduring covid19 is now easy.In conclusion, this study shows that e-learning has become quite popular among the students all over the world particularly, the lockdown period due to the COVID-19 pandemic.*
*Keywords:* *online learning, Web-based Technology, Self-Study Skill, COVID-19 Pandemic, Students' Performance.*

## I.  Introduction

Online learning has shown significant rise over the last decade. Both the internet and education combine to provide people with the chance to gain new skills. Since the COVID-19 outbreak, online learning play an important role in people's lives. COVID-19 has forced schools, universities and companies to remote working and this booms the usage of online learning. Most higher education institutions have already integrated online learning into their curricula. Statistics from 2003 showed that over 75 percent of colleges and universities offered online learning. Recent studies indicates that this number has increased to roughly 80 percent. Online education during COVID-19 has become stronger,  and it is catering to the students with the necessary education, so that the students can get the proper education. The covid-19 pandemic has triggered new ways of learning. All around the world, educational institutions are looking toward online learning platforms to continue with the process of educating students. Today, digital learning has emerged as a necessary resource for students and schools all over the world. For many educational institutes, this is an entirely new way of education that they have had to adopt. Online learning is now applicable not just to learn academics but it also extends to learning extracurricular activities for students as well. In recent months, the demand for online learning has risen significantly, and it will continue doing so in the future. As with most teaching methods, online learning also has its own set of positives and negatives. Decoding and understanding these positives and negatives will help institutes in creating startegiesfor more efficiently delivering the lessons, ensuring an uninterrupted learning journey for students.

## II.  Online learning

Online learning is a method of education whereby students learn in a fully virtual environment. First introduced in the 1990s with the creation of the internet and utilized in distance learning, online learning is most prevalent in higher education, enabling students from different geographical areas to engage with an academic institution and other students online and learn flexibly, at their own pace, while working towards a degree or certificate. Online teaching plays a key role in the education system in India but it became more popular during Covid 19 pandemic after March 2020, schools and colleges had been shut down. Online teaching also became an important means of education during the pandemic. Online teaching took place easily and students and

teachers didn't need to present together at a particular place.Online teaching was beneficial in a number of ways-

a)　　　Through online teaching, the teaching process becomes possible from home. This enables the students to save their time which they have to give while attending physical classes. Now the students can manage this saved time in other activities to enrich their personality.

b)　　　Online teaching enables the parents to look after their children and engage themself in the education of their children.

c)　　　Online teaching is beneficial because it enables the students to record the lecture and attend it as many times as they want to understand the concept.

d)　　　Online teaching, which was promoted by the government, gives the opportunity to all students of the country to get education from one of the best teachers selected by the education department.

Online teaching has become a medium of teaching/learning process during pandemic but it has certain limitations too. Online teaching requires electronic gadgets like smartphones/Tablet/Laptop/computer and proper internet facility to both teachers and students. In India, the per person availability of smartphones is less as compared to other developed countries. A large section of Indian population comes under middle income and low income families. So they could not afford to give smartphones to their children to continue their education. There is less internet availability in remote areas. Online teaching became an important medium and compulsion also to give education to the students during covid19 pandemic. It is beneficial for the students in some ways but it has limitations too. It is beneficial for the students in some ways but it has limitations too. It is beneficial to continue the teaching process. The increasing popularity of online teaching in covid19 pandemic and the role played by it to continue the learning process sets an example to tackle such types of problems in future. Government should also try to reduce the educational inequalities during covid19 pandemic by making the teaching process available at a platform which can be assessed by a large number of students. For example- starting class lecture for secondary and senior secondary students at DOORDARSHAN television network.The use of the internet to teach and to learn is unavoidable for both teachers and students. Online courses are becoming an important component for enhancing the students skills. Students are benefitted through web based teaching. Educational organizations are doing their level best to make the learning engaging. The platform like Zoom, whatsapp video call has made the task easy for the teachers. They are motivating the students to attend online sessions, which increase theirlearning process. There are plethora of courses available on YouTube for all levels of education. Different levels of educational videos are available on YouTube.

## III.　　Self study skills

Today's learner's expectation is very different from the past after globalization education has become more associated with digital and mobile paced. Students have wanted learning materials that are accessible through online mode in mobile phones and computers. The main reason for e-learning is that the students can learn at their comfort and requirement.In higher education, some argue that it is especially important for students to be assigned projects and material suitable for self-learning, so that they may exercise and develop intellectual independence and explore subject matter they personally find interesting. One study suggest that self-study, in addition to being more affordable and convenient, is surpassing classroom learning as far as effectiveness. Self-study and traditional classroom learning complement one another. When used together, they help students learn and retain information better; however, the world is becoming more accustomed to the benefits of solely self-learning. Self-study and traditional classroom learning can be used togrther to help your child get the most out of his or her learning experience. Both the methods help students to learn and retain information better. Self- study allows students to take learning at their own pace, focusing on areas they are most interesting in.This helps to reduce feeling of frustration, anxiety or boredom that students may struggle with in a classroom setting.

## IV.　　COVID-19 Pandemic

The global pandemic has drastically changed the way students are learning worldwide and thus online learning has taken place. Students from all around the world have all around the world shifted from classroom learning to online learning. Education technology as well as its integration in schools is highly important in order to provide a transition to online learning to students. During COVID-19 pandemic it is essential for educational institutions to provide their students with a user friendly online learning platform in order to sustain quality learning. There is a high chance that after the pandemic there will be an increase in the demand for a hybrid learning model and thus a combination of online and campus based learning, will emerged also known as blended learning. Numerous research has also identified online learning to be even more efficient in some cases than classroom learning. For example, online learning allows students to learn at a quicker speed by learning at their own pace, re-reading and re-taking the pre-recorded lectures as well as they have the opportunity to go through the topics as they choose in some cases.

## V. Improvement of student's self-study skill through e-learning

Today's learner's expectation is very different from the past after globalization education has become more associated with digital and mobile paced. Students have wanted learning materials that are accessible through online mode in mobile phones and computers.The main reason for e-learning is that the students can learn at their comfort and requirement. Leraner's who engage in self-study have the opportunity to enhance their learning experience and improve their studying skills. The learning method encourages leraners to go beyond what is available to them in their textbooks and what is taught to them by rheir instructors.

## VI. Conclusion

E-learning seems to be the forthcoming trend. It has been extending widespread. The online method of learning is best suited for everyone. Depending on their availability and comfort, many people choose to learn at a convenient time. This enables the learner to access updated content whenever they want it. Due to the wide set of benefits, it gives to students. This research paper shows that e-learning has quite popular among students across the world particularly, the lockdown period due to COVID-19 pandemic.

## References

[1]. Akyol, Z., & Garrison, D. R. 2011, "Understanding cognitive presence in an online and blendedcommunity of inquiry: Assessing outcomes and processes for deep approaches to learning", British Journal of Educational Technology, 42(2): 233-250

[2]. Bonk, C. J. & Graham, C. R. (2005). "Handbook of blended learning: Global Perspectives", local designs. San Francisco, CA: Pfeiffer Publishing.

[3]. Mark Bullen& Diane P. Janes. 2006."Making the Transition to E-Learning: Strategies and Issues: Strategies and Issues". New York. Idea Group Inc.

[4]. Means, B., Toyama, Y., Murphy, R., &Baki, M. 2013. "The effectiveness of online and blended learning: A meta-analysis of the empirical literature", 115: 1-47

[5]. https://tophat.com/glossary/o/online-learning/

[6]. https://edly.io/blog/how-can-self-study-benefit-your-learners/https://www.ssbm.ch/blog/rise-of-e-learning-during-the-covid-19-pandemic/

[7]. https://timesofindia.indiatimes.com/readersblog/indian-society-in-modern-era/online-teaching-during-covid-19-for-students-36255/

[8]. https://www.ivywise.com/ivywise-knowledgebase/resources/article/self-studying-whats-the-benefit-and-how-to-do-it/

[9]. https://gradepowerlearning.com/what-is-self-study/