



# An Elixir in the Time of the Covid-19 Crisis: E-Learning

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## Abstract

Educational Schools, colleges, and universities in rural areas make up the vast majority of India's educational institutions. Conventional approaches to literacy, such as supporting the delivery of normal lectures in a traditional classroom context, are the sole basis for this belief. Though a great many academic institutions have begun the process of merging, many are still adopting out-of-date practices. Those things that were not predicted The SARS-CoV-2 type of the Corona Virus was responsible for the devastating COVID-19 sickness, which sent shockwaves throughout the world. When it initially arose, the World Health Organization declared it an epidemic. Preceptors were forced to adapt to an electronic tutoring method over night as a result of this cloud hanging over the global training framework. A large number of educational institutions that had been unwilling to change their pedagogical approach had no other option than complete online tutoring and literacy instruction because they had no other choice. The paper will also examine the importance of literacy in the digital age. E-SWOT learning's (Strengths, Weaknesses, Opportunities, and Challenges) are being studied at this critical moment. Writing this essay sheds light on the EdTech Start-ups during pandemic and natural calamities, as well as offers some ideas for academic institutions on how best to cope with online literacy issues.

**Keywords:** E-Learning, EdTech, COVID-19, SARS-Cov-2, E-SWOT

## 1. INTRODUCTION

Coronavirus outbreak intermediated epidemic impacted utmost of the sectors encyclopedically. This includes the academic world that consists of millions of enrolled learners and active preceptors who preliminarily had regular classes in their institutions, and due to the epidemic, got stuck at the home. Pandemic outbreak has forced many schools, colleges to remain closed temporarily. Many areas worldwide have been affected and there is a fear of losing entire semesters or even more in coming months. Various schools, colleges, and universities have closed temporarily as a precaution. This is a challenging issue for the educational sector to deal with. Academic institutions should have a scenario planning mechanism in place to deal with these kinds of situations. Humanity and togetherness are essential in this situation. To

continue the education process, the E-learning was introduced in utmost of the countries, including India. In this mode, both tutoring and literacy be through electronic bias which are fairly new to the entire tutoring-learning community. This study aimed to understand how online classes had fared for the preceptors and scholars in India. Either, it tried to understand the druggies' experience and the unique set of challenges that this mode of education brings. Technology and distance education thus have been recognized as essential components: Integrating innovative e-learning tools to enhance teaching and learning. E-Learning has tested the readiness of academic institutions to deal with such abrupt crisis. Online education has both positive and negative sides. The positive aspects include the ease with which it can be accessed around the world and the time, money, and effort it saves. One advantage of online mastering in education is the ability to record lectures. As an example, not every newcomer has reliable internet access. Some newcomers had network issues and missed out on valuable device training because of it.

## **2. COVID-19 AND E- LEARNING**

Against the backdrop of this pandemic, governments and educational institutions are launching colourful policy initiatives to cater to online literacy. In the event of a school shutdown, teachers will need to switch to emergency distance modalities, such as digital or online learning, in order to maintain learning continuity. In order to link literacy with the usage of new technologies, such as the Internet and intranet, e-learning or online literacy is sometimes referred to as an attempt to do so. In other words, it's a two-way relationship between students and teachers that's based on the Internet and geared toward making learning easier for everyone involved.

## **3. FEW EMERGENT TRENDS IN THE E-LEARNING THAT ARE WORTH OUR ATTENTION**

Online mastering affords the possibility to provide excellence at scale to tens of thousands and thousands in India, the assignment now's to supply at the promise and actualize this potential. E-mastering, as a concept, turned into first added within side the past due nineties, and, due to the fact that then, it's been an familiar mode of mastering in lots of academic establishments throughout the globe. In India, however, its adoption turned into slow, up until, the pandemic that acted as a catalyst for transformation within side the manner schooling is imparted, aleven though it's far but to come to be a ubiquitous characteristic of our schooling system. India with its over seven hundred million net users, and developing net utilization in semi-city and rural regions is a ripe marketplace for on line mastering to thrive. It isn't anyt any surprise that the web schooling marketplace length in India is anticipated to develop through USD 2.28 billion all through 2021-2025. However, we have to take care to now no longer be swayed through those records due to the fact those numbers additionally mirror the lives of actual people – children, adolescents, and younger beginners, who're searching for schooling because the course to employability. Hence, it's far essential to well known that rather more desires to be carried out to enhance on line schooling and make certain that beginners are, indeed, mastering. To acquire the excellent feasible outcomes, there are some emergent developments within side the on line mastering area.

### 3.1 TECHNOLOGY LED INNOVATIONS:

Although web based learning is intrinsically tech-empowered, improvements in AI and Machine Learning offer huge guarantee and chance to customize, scale, and mechanize current e-learning components. Throughout the long term, there has been a rising mindfulness that most educational programs are normalized and don't think about the various necessities of individual students. Consequently, there is a need to customize helping techniques to guarantee each understudy is essential for the educational experience. The collaboration among AI and ML can convey customization and personalization to suit various students with the goal that they can learn at their own speed.

Computer based intelligence or Artificial Intelligence can be utilized to create reports for programs started by organizations, dissect students' inadequacies and decipher information to offer a custom tailored opportunity for growth. Man-made intelligence could go similarly as creating intelligent learning assistants who can give opportune direction and guiding when educators can't. Artificial Intelligence, consequently, can make, curate, modify, and customize standard instruction content to help students with their assets and shortcomings. At last, tech-improved e-learning can assist with directing everybody along the way of learning, and in addition to those limited handful who are the fastest to learn and top tier.

### 3.2 MOBILE FIRST LEARNING AND MICROLEARNING

At 12GB per client, India has the most elevated pace of versatile information utilization on the planet. In spite of this, it stays an underexplored region for customary school and school e-learning modules that are not versatile. During the lockdown, the web was overflowed with pictures of understudies looking through photos of notes, attempting to zoom in for better lucidity and understanding. Essential, yet underserved needs have featured the significance of online training being designed for a versatile first methodology. Furthermore, across India's towns and semi-metropolitan regions, the expense of PC and tablet gadgets is extremely high for a solitary pay family to cause. Thus, cell phones stay perhaps the most effective way to convey schooling without face to face guidance.

Notwithstanding a portable first way to deal with picking up, micro learning is another early learning method that is being investigated vigorously by applications. It basically includes learning new data in more modest pieces all at once. Commonly, a micro learning meeting is under ten minutes and can take just a few minutes to finish. Frequently disregarded as a unimportant method for picking up, micro learning can be shockingly powerful, as individuals commonly lose 80% of the information, they advance soon. E-learning educational plan makers and teachers in many regions of the planet are taking a gander at utilizing the force of micro learning to additional enhancement web based learning for essential and optional students.

#### 4. SWOT ANALYSIS OF E-LEARNING

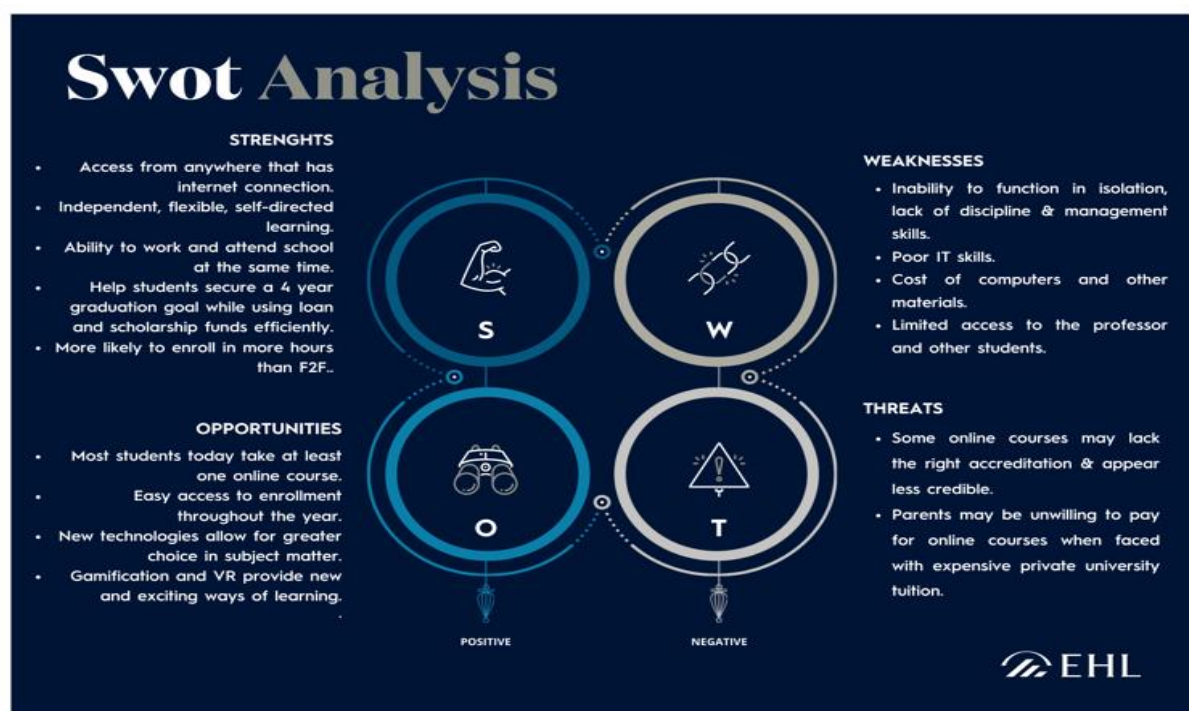
How is SWOT useful?

- i. Understanding where an organization is maximum effective.
- ii. Identifying regions of development.
- iii. Establishing strategic making plans and goals.
- iv. Assessing feasibility of the brand new initiative.
- v. Understanding a way to put into effect the brand new technology.

Assessment of qualities, shortcomings, valuable open doors and dangers can be applied when an inside and out assessment is expected to make changes or upgrades. It can assist with analyzing parts of distance discovering that are positive and negative, as well as help with the course of progress and advancement of new e-Learning projects and valuable open doors.

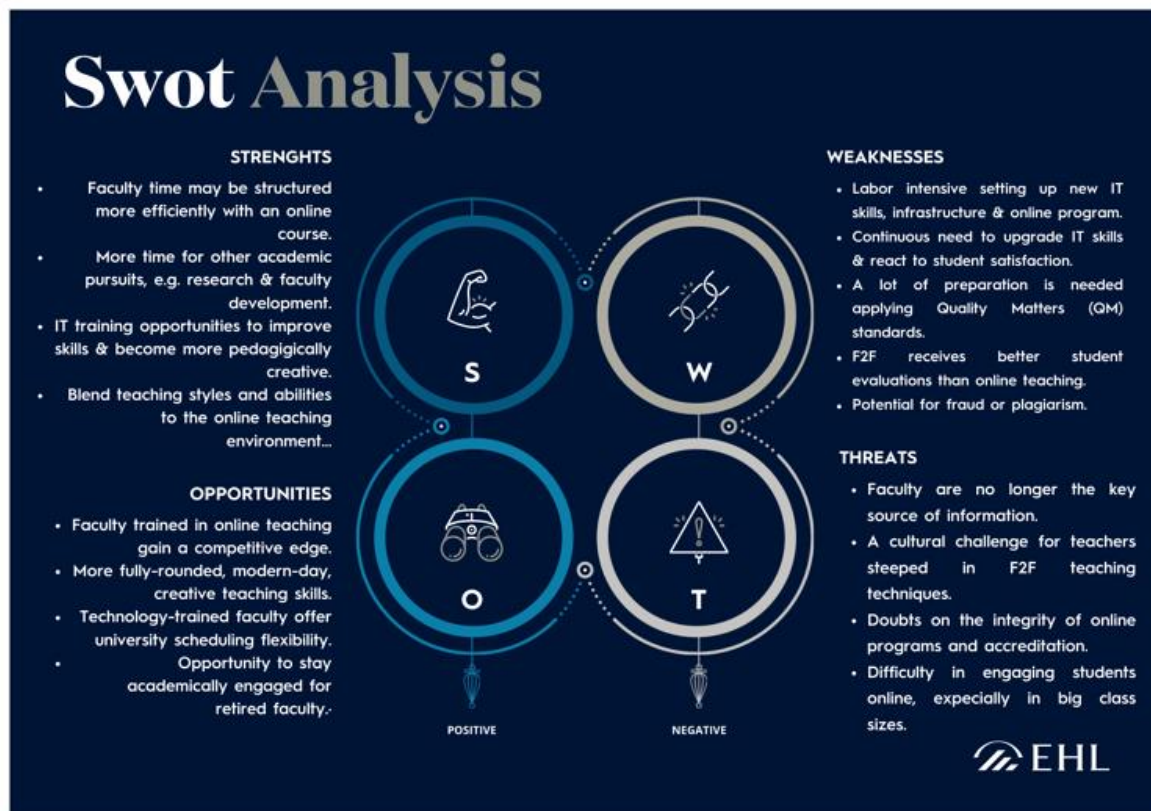
SWOT investigation of e-Learning instructive administrations and aims should be taken a gander at according to 3 alternate points of view:

- Students
- Faculty
- Institutions



**Figure 1:** Swot analysis according to students perspective





**Figure 2:** swot analysis according to faculty perspective

## 5. CONCLUSION

The paper explored the advantages of the shift towards e-learning and online appraisal, which is a promising procedure with incredible instructive possibilities after COVID-19 pandemic. Throughout the COVID-19 epidemic, the virtual world has played the role of the heroic hero for people throughout the world. Many educational institutions, including schools, have shifted their foundations to virtual stages in order to facilitate online instruction. By contrast with traditional one-on-one sessions, online training has emerged as a solution to meet the needs of students at all levels of education, from elementary to college. There are a number of different groups working together to aid each other, such as government and private organisations, in order to improve their present internet-based stages, applications, and training for teachers to use these tools to their fullest potential. Government and non-government groups as well as educational technology companies are working together to help the educational system transition smoothly to virtual reality. It has taken considerable steps in the past year to upskill and energise instructors, organise guiding sessions for partners, including educators, guardians, and students, as well. Another technique to working with children's tutoring is to make a regular effort to provide tweened educational learning material appropriate for online classrooms. With the inauguration of the PM e-VIDYA stage, 12 new DTH channels, one for each class, the central government aims to reach out to everyone. Quite a few students have found these activities to be beneficial.

Be that as it may, this elective medium has likewise brought to the front a few distinct diligent real factors of Indian culture described by friendly imbalances as far as accessibility of assets, vital for access these internet based classes/stages. These advanced drives are propagating the authority of first class schools over the schooling system, bringing about the computerized split among provincial and metropolitan and rich and poor. This advanced gap is additionally influencing the work and job of the public authority as well as non-government associations across states as they are confronting difficulties because of the new relocation of millions of workers to their local spots. Both the focal as well as state legislatures should make a guide for workers' work as well as for the training of their kids as well. Given the extraordinary contrast in the framework across states as far as web and unified offices it has all the earmarks of being an immense errand. Likewise, the non-government associations that help the underestimated segments of the general public concerning wellbeing, instruction and vocation and furthermore team up with legislatures are confronting monetary mash as the majority of the assets are being redirected to handle the pandemic.

It is difficult for both students and teachers to use these online platforms because of their own specific difficulties. Students are unable to use the internet because of a lack of cash, as well as a lack of access to electronic equipment and personal computers, as well as telephones and televisions. Students who need offices to manage their online classes face challenges due to the lack of readily available physical space. For the same reasons, teachers who teach online courses from their own homes should consider this. Young women are expected to do household chores before attending online classes, for example, and this creates an unwelcome boundary. Young men are often expected to help out on the family farm in rural areas of the province. Who controls the television and radio in a household that has both devices is an important issue to consider. Most parents do not allow their daughters to watch instructional television shows.

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