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E-LEARNING IN COVID-19 EMERGENCY: AN IDEAL SPACE FOR INSTRUCTING LEARNING FORMS

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Abstract

The effects of pandemic COVID-19 can be seen in every part of the world. India as well as the world's educational sectors is having a serious impact on this. It has implemented a worldwide lock showing a very bad effect on the lives of students. About 32 crore students have stopped transferring schools / colleges and all educational activities in India have come to a standstill and advised us that a diffusion change of COVID-19 was inevitable. It has been a catalyst for educational institutions to develop and select previously unused platforms and technologies. The education sector is struggling to avoid crises and digitize challenges with a different perspective to address the threat of epidemics. This paper highlights several Adopting methods towards the digital way in Education System to provide uninterrupted education in India. Both the positive and negative effects of COVID-19 with respect to the present education system are discussed and some fruitful indications for conducting educational activities are also suggested in this paper.

Keywords: Education, COVID-19, Students, School, Digital Learning.

Introduction

India holds an important position in the global education industry and is one of the largest networks of higher education institutions in the world. Due to the corona virus novel, Indian education policy faces many challenges. Since the Indian education system is mostly offline classrooms, the situation has forced them to switch to the online system and classrooms for the benefit of students and to empower education. Most schools in the country have abruptly shut down online classes. The biggest problem in developing countries like India is that many students do not have the resources such as laptops, desktops, smart phones or tablets to attend online classes.

The COVID-19 epidemic in India has affected 247 million students enrolled in primary and secondary education and 28 million children pursuing pre-school education in Anganwadi Centers, according to a UNICEF report. These reports highlight the efforts of the Central and State Governments to continue educating children through multiple e-platforms for children such as mobile applications, TV channels, radio, podcasts, web portals, self-help TV and e-PTM and the National Repository of free educational resources. Only 24% of households in India have access to the Internet, with large rural-urban and gender segregation, the report said. And a large number of students are likely to miss classes. Only a few private schools were able to adopt online learning methods, but low-income private and public schools were completely closed off from accessing e-learning solutions, although students were required to go offline for results and the same content was thought in online classes. It is still different because students do not have personal interactions in offline learning. Innovation and creativity also play an important role in the overall learning experience in the online education system.

E-learning has fixed its root uniquely in the field of present-day training. The need of present-day students is very extraordinary and E-Learning has been discovered valuable for satisfying their needs. The modes of E-learning and standards of man-made reasoning are steadily picking up prominence on the planet (Misko et al.,2004; Soni, 2020). Therefore, in this critical situation, online education services need to increase door-to-door services in order to be effective, which will further enhance the use of technology even in remote areas and play a very important role in creating awareness. The goal of the people should not be to develop technologically and technologically, so a well-established and effective educational practice is needed to build mind-capable youth and ensure the overall progress of India.

Task of E-learning in Covid-19 Emergency- An ideal space for instructing learning forms

Training is one of the key elements in building a decent country (Baiyere et al., 2016). The flare-up of the COVID-19 infection has caused an abrupt suspension of schools, schools, colleges and other government foundations. In the midst of these tough situations, instructors have been using e-learning stages to grant training to the understudies. E-learning alludes to a learning framework that is led through electronic media. It was first utilized in 1999 at a CBT frameworks class. It is additionally portrayed as virtual or web-based learning. It offers an approach to share perusing materials utilizing web through messages, records, introductions or online courses. IT has become a significant piece of current training and it shows gigantic contribution of ICT in the current



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instructing learning process (Anderson, 2005). Instructors can share study materials and talks as PPT, PDF or Word report by transferring them on their separate college website pages, on whatsapp or through messages to greatest understudies during this lockdown. As indicated by Felix, (2020), Lectures have been likewise taken through WeChat, by sharing broad media recordings through messages, by various web based educating applications like Voov, Zoom, Superstar, g-suite cloud meeting, etc. The improvement in innovations has offered an ideal space for instructing learning forms. It offers educators to change their instructive methodologies. It improves the instructing and learning methodology (Thamarana, 2016). The educators can inspire understudies to upgrade their learning abilities through imaginative ways. E-learning has acquired a tremendous change the customary techniques for instructing and learning. Because of progressing of COVID-19 an expanded number of understudies are found to utilize the learning stage and applications. A portion of the stages are as of now settled like ED-TECH and distributed computing as they are accessible in sensible costs and are anything but difficult to get to (Naik, et al., 2017).

Adopting the digital way in Education System- A major impact of COVID-19

In this pandemic circumstance, notable organizations like Google, Microsoft, Zoom and Slack have offered numerous highlights of their items that could be valuable in the field of training for nothing to the instructive organizations. As indicated by the recorded report Microsoft group clients were 750 as of tenth March however by 24th March it has ascended to 138698 which is in reality a critical development (OECD, 2020). Zoom has raised the video calling time limits in Italy, Japan, US and China on demand (Rani Molla, 2020). The world despite everything requests substantially more access to Zoom and Google Meet correspondence arrangement offices. Hence, internationally there has been a colossal and unexpected change in the field of the scholarly world with the spread of the dangerous COVID-19 virus. There has been a worldwide progress to online strategies for educating and learning (Basilaia, et al., 2020). The traditional homeroom climate has been supplanted by computerized intends to stop the spread of the infection and to guarantee security of the instructors and students. According to the UNESCO Institute for Statistics, the COVID-19 pandemic has closed schools in 188 countries, affecting more than 1.5 billion students worldwide and 63 million primary and secondary teachers. Continuing COVID-19 reminds us that intervention in the education system requires change.

- **Switching to digital learning:** Switching to digital learning is problematic because no one is ready to catch up with COVID-19. The real factors of the 21st century have changed the way we access / access information, share knowledge and learn. The impact of the COVID-19 pandemic and its impact on our lives have increased the need to adopt innovative ways of accessing educational services at all levels.
- **Adopting digital learning:** To exclude disconnected models, educational institutions must use the capabilities of their existing systems. They need to create a multidisciplinary digital learning approach that addresses short- and long-term goals in line with risks. They need to curb existing academic content, align it with the curriculum and plan how to make it accessible. The journey of empowering a full-fledged digital transition at short notice is not a cuewalk, but if implemented properly, it becomes a lesson in flexibility. Advanced technologies have the potential to plan, manage and support the digital transformation needs of the education industry. It helps organizations to shift their focus from traditional learning models to digital learning. It inspires learning experiences, employees who are prepared for the future, and strategic outcomes.
- **Inclusion of digital devices in education sector:** The inclusion of digital devices to provide educational content to students or learners is inevitable. As technology plays an important role, various educational service organizations are rethinking their strategies to stay strong. COVID-19 raised red flags in the education industry and paved the way for digital development. Online classes have become the most appropriate solution to achieve continuous growth in education.
- **Use of advanced technology in online classroom:** Educational institutions have found it difficult to gain traction, especially in the classroom, through the use of advanced technology. However, with the closure of COVID-19 educational institutions, the education sector is poised for a definite change. Many companies are coming up with their popular apps like Classoso, Dreambox Learning and Google Classroom. These apps take advantage of the opportunity and give new users free access to their content platforms. These mobile apps guarantee wide engagement between student and teacher through live-streaming classes and online tutorials. All of these can help strengthen the education system as a banking option for large-scale learning.
- **Online assessment and evaluation:** The work of online performance solutions plays an important role in testing and evaluating student performance. It reduces human error and bias based on bias. When it comes to achieving the fair conduct of exams, these digital platforms should lead the platform. However, with the development of online learning in COVID-19, various platforms are facing tremendous opportunities to keep the market busy. They play an active role in strengthening the field of digital learning.



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- **Augmented Reality (AR) in education:** The enhanced realism in education will benefit students as well as teachers. Teachers can engage with students in an interactive 3D model to attract and motivate. Educational applications with AR features help students to study and practice with full digital content. For example, Element 4D is a great app for exploring a quick way to learn chemistry without getting caught up in expensive professionals. Another popular app is August Class, which keeps the classroom busy and makes education fun for students, teachers and parents.
- **Virtual Reality (VR) in education:** Virtual reality is somehow related to AR while providing smart interactive experiences. But unlike AR, it affects the environment. If corrected, VRs can come with excellent results and help increase the engagement and knowledge of students and teachers. In these crisis times, VR offers the opportunity to make video calls between student and teacher with real time experience. VR allows you to bridge the gap between student and teacher. With VR, distance learning tools such as Google Classroom, Adapt, Blackboard can connect students and teachers together in a single room through a digital presentation. Teachers can go into the world of VR and guide learners through their experiences.
- **Machine Learning (ML) in education:** The main purpose of ML in education is to fill the gaps with MCQs. And, this development is in vogue with various new educational tools. For example, Open ED is an online catalog for homework / educational tasks, games and videos. It allows teachers to divide resources between students online. It helps students further perform their tasks and evaluate them on their devices.

Disparities looked by students and teachers in the current situation

Because of the pandemic emergency there has been a gigantic, problematic move from existing instructive framework to online training framework. An online course requires itemized exercise intends to plan great investigation materials. Certain difficulties of online instruction incorporate, absence of web based showing abilities in teachers, online arrangement of exercise designs as it is very tedious, absence of proper help from the specialized groups, and traffic over-burden in online instructive stages. The educators as well as confronting difficulties because of their insufficiency of appropriate learning demeanor, absence of reasonable materials for learning, greater contribution in homeroom learning, lack of ability of self-restraint, and the insufficient learning condition at a portion of their homes during self-separation (Brazendale, et al., 2017).

Teachers are encountering enormous load on their psychological wellness as they need to persevere through the heap of the instruction framework during these troublesome occasions. They need to follow regulatory and pastoral orders. Educating through online mediums has become a difficult errand for most of the instructors. Absence of assets is likewise turning into an incredible obstacle for the educating learning process. Once in a while the undesirable situations and specialized issues are purposes for ended procedure of instructing learning. Students once in a while don't have appropriate intends to gain from the online medium. As the majority of the students and teachers are adjusted with the conventional method of instructing learning forms the result on E-learning is acquired similarly low. Understudies are additionally confronting troubles with helpless web association significantly in not many spots of the world like India, Iraq, Iran, Syria, Africa and so on. Because of absence of inspiration and insecure psychological well-being issue E-learning isn't giving anticipated achievement in the worldwide training framework (Jimoyiannis and Gravani, 2011; Khalid et al., 2016).

Conclusion

Various nations however out the globe have presented a few arrangements in this pandemic to convey forward the training framework. Transmission, Online libraries, assets, rules, online channels, video addresses, are exceptionally presented at around 96 nations. The nature of E-adapting needs lot of progress. Because of the unexpected out-break of COVID-19 there was inadequate opportunity to guarantee the nature of the E-learning or internet instructing learning process since the center was to spare and proceed with the instruction procedure at any expense and in all conceivable design during the worldwide emergency. UNESCO gateway on COVID-19 has offered quick help to numerous nations over the globe to encourage the learning-progression and limit the disturbance of training, particularly for the weak class (Under National Learning. Stages and instruments by UNESCO 2020) (UNESCO, 2020). Despite the fact that there are scarcely any difficulties identified with E-learning, it has really risen as an advantage to students and instructors around the world. The worldwide emergency has uniquely showed the monstrous significance of e-learning in the present current world. Without the methods for e-learning stages training would have come to an unexpected stop since the episode of the infection.



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