IMPACT OF E-LEARNING AFTER COVID -19 ON EDUCATIONAL SYSTEM IN INDIA

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ABSTRACT

Education is the foundation for people to learn, acquires, knowledge and skills. The global pandemic has taken a huge hit on all the sectors of economy. On March 11, 2020, the World Health Organization (WHO) officially declared COVID-19 as a pandemic after assessing the global outbreak around the clock for months. The pandemic has caused educational disruption across the globe, as nationwide closures forced institutions to temporarily close their doors. It is estimated that the closures affected about 70% of the total student population worldwide (UNESCO, n.d.).While it's been slightly easier for MNCs and professionals to adopt work from home because of the real time situation of covid19 and also it continue business as common, and as well as it was big challenge for the education system around the world. With views concerned like scholars, citizens, politicians, and bureaucrats they support for the need of reimagining and reinventing in education system. As a result we transformed class rooms as smart classroom systems. This study investigate about how impact that E-learning system had impacted after covid-19 and how India is transforming classroom through online surveys.

"Education is the founding stone of a country's economy. A country that fails to provide its citizens the right to education lags behind in every way".

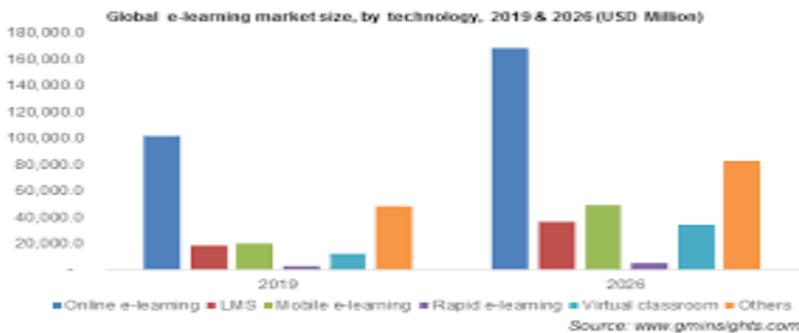**Keywords: E-learning, Education system**

INTRODUCTION

Today, learning has expanded beyond the traditional classroom setting. The adoption of both e-Learning and learning management systems (LMS) is becoming increasingly popular as more educational institutions explore modern approaches to teaching and learning. As a result, the e-learning and LMS spaces are seeing positive growth and are expected to evolve further in the coming years.Amid the coronavirus pandemic, educational institutions are turning to eLearning tools to provide continuing education to students remotely via the internet. These include world universities opening their doors to online learning and providing a wide variety of online courses to help students further their knowledge in their chosen disciplines. In recent years, e-learning tools have played a significant role in the modernization of the global education system. The use of electronic media and information and communication technologies provided students and faculty with plenty of teaching and learning opportunities. Among these is distance learning, an emerging trend in the education sector that allows learners to study at home while teachers assign tasks and provide educational resources digitally.

HISTORY OF INDIAN EDUCATION SYSTEM

Indian history of education rooted from ancient ages the modern system, in the ancient times they were followed the Gurukul system which the students resided in house of their teacher until the teacher imparted. The various subjects taught are varied from Sanskrit to Scriptures to Mathematics to Metaphysics and the knowledge attained which passed on for the future generations. However, this technique was changed during the Colonial era when British found out schools that followed a curriculum confined to subjects like Mathematics, Science. The ancient system included more interaction with the character, the fashionable system was more classroom oriented.

LATEST TRENDS IN THE INDIAN EDUCATION SYSTEM

Schools and districts are faced with the challenge of maintaining the continuity of learning while the threat of school closure extensions is impending. The seemingly simple and immediate solution is to conduct school remotely using online resources. Online learning emerged as a safe and viable option for education continuity as the COVID-19 pandemic turned personal and professional worlds upside down. Even before the pandemic, the global e-learning market was already seeing a massive annual global growth. It is expected to reach $336.98 billion by 2026, at a compound annual growth rate (CAGR) of 9.1% from 2018 to 2026 (Syngeneic Research, 2019). The growth estimates are likely to see an update sooner rather than later owing to the pandemic.

Global e-learning market size, by technology, 2019 & 2026 (USD Million)
Source: www.gminsights.com

Source :https://www.fractovia.org/news/industry-research-report/elearning-market

However, Indian Education system today is seeing many technology-driven innovations for college kids. Smart class from Educomp is such an example. Smart class is actually a digital content library of curriculum-mapped, multimedia-rich, 3D content. It also enables teachers to quickly assess what proportion of a specific lesson students are ready to assimilate during the category. Once a subject is roofed, the teacher gives the category a group of questions on an outsized screen. Each student then answers via a private answering device or the smart assessment system. The teacher gets the scores directly and supported that, she repeats parts of the lesson that the scholars don't appear to possess grasped. Another example is that the launch of YouTube channel Edu India, which is an Indian curriculum focused education channel. Some other players in this sector who have come up with innovative ideas in changing the education system .We also see a lot more schooling options available today as a replacement to the conventional mainstream system

E-LEARNING

E-learning has become a necessity in education institutions and has being deployed in educational establishments throughout the planet. The increase of e-learning technology employed by education institutions are oftenattributed to globalization. This is often pertaining to political and economic phenomena, a worldwide integration of views, culture and products. the expansion within the use of e-learning little question adds to globalization in educational institutions try their utmost to interrupt down geographical and social boundaries to supply distance learning education, this results in integrations of educational standards.

E-learning and therefore the application of data and Communication Technology (ICT) into the normaleducation systems India has continued to lag behind that of the many industrialized nations. However, most of the countries within the recent past adopted the implementation of E-leaning and as a result; the web student population is increasing a comparatively high rate. For this reason the necessity to adopt this new system in India has become highly inevitable because the traditional model has proven to be quite inappropriate in equippingthe scholars from the complexities they're likely to encounter within the rapidly developing society. The government of India and therefore the University Grants Commission (UGC) has come to realization that information and communication technology (ICT) in education would bring the advantages into the present education system.

OBJECTIVES OF THE STUDY

•   To explore the scope for E-learning in Indian higher education scenario

•   To study about the importance, advantages and disadvantages of e-learning

II. RESEARCH METHODOLOGY

This research paper is conceptual and Exploratory in nature. In order to meet such objective secondary method is adopted. The secondary data was collected through books, periodicals, and journal and published material related digital learning for the study.

III. REVIEW OF LITERATURE

Dhawan (2020) the study proposed that EdTech Start-ups during the time of pandemic and natural disasters and includes suggestions for academic institutions of how to deal with challenges associated with online learning. Educational institutions (schools, colleges, and universities) in India are currently based only on traditional methods of learning, that is, they follow the traditional set up of face-to-face lectures in a classroom. The sudden outbreak of a deadly disease called Covid-19 caused by a Corona Virus (SARS-CoV-2) shook the entire world.

Adnan & Anwar (2020) examines the attitudes of Pakistani higher education students towards compulsory digital and distance learning university courses amid Corona virus (COVID-19). The findings of the study highlighted that online learning cannot produce desire results in underdeveloped countries like Pakistan, where a vast majority of students are unable to access. There is a sound computer and a technological skill to learn from online lectures.

Basilaia& Kvavadze (2020) found that the capacities of the country and its population to continue the education process at the schools in the online form of distance learning, study reviews the different available platforms and indicates the ones that were used by the support of the government. The study is important for the future because it shows the case of a country that has used the available free tools to transit the traditional school lessons to the online education during the pandemic. Online learning needs to re-arrange the exams and home assignments to the open book principle that is not developed and popular for now. Preparing new kinds of such assignments in all subjects will need additional work. The problem of grading is usual when the student stays outside of the school and new technologies have to be considered for anti-plagiarism and avoiding cheating.

Dr. Anviti (2020) examined that the online platforms, apps and providing training to teachers to use these apps and platforms to the optimum level. Moreover, efforts are being made by both government and non-government organizations and EdTech companies to support the school system to make a smooth transition to the virtual world. Up skilling and motivating teachers, organizing counseling sessions for stakeholders such as teachers, parents and students are some of the important measures taken by the administration in the recent past. Making a continuous effort to provide customized teaching-learning material suitable for online classes is another way of facilitating the schooling of children.

Rishabh & Gupta (2020) proposed thatamong the many casualties of the corona virus crisis is the traditional classroom. While online courses have existed since long before the pandemic, they served a different purpose, giving learners access to modules and subjects they wouldn't have otherwise, or supplementing what individuals were being taught in physical classrooms. The lockdown in India (and shutdowns in other parts of the world), however, have made online classrooms the primary source of educational instruction for students of all ages. Learning online is different from learning in a face-to-face setting, and as a student, it is important to think about your interests, needs and goals before committing yourself to the virtual classroom experience. Several factors come into play, such as the time you have at your disposal, your comfort level with and access to technology, high-speed internet, the platform being used by your institution etc. The pandemic has shown us that online learning is going to be part of our reality, now it's up to students to seek out new opportunities through it.

IV. COVID-19: HOW SMART CLASSROOMS ARE TRANSFORMING INDIA'S EDUCATIONSYSTEM

The sudden switch over of class rooms to smart class rooms are only limited to private schools but even government schools have decided yet to start running of smart classes. The online assessment platforms companies are continuously striving to enhance their products.
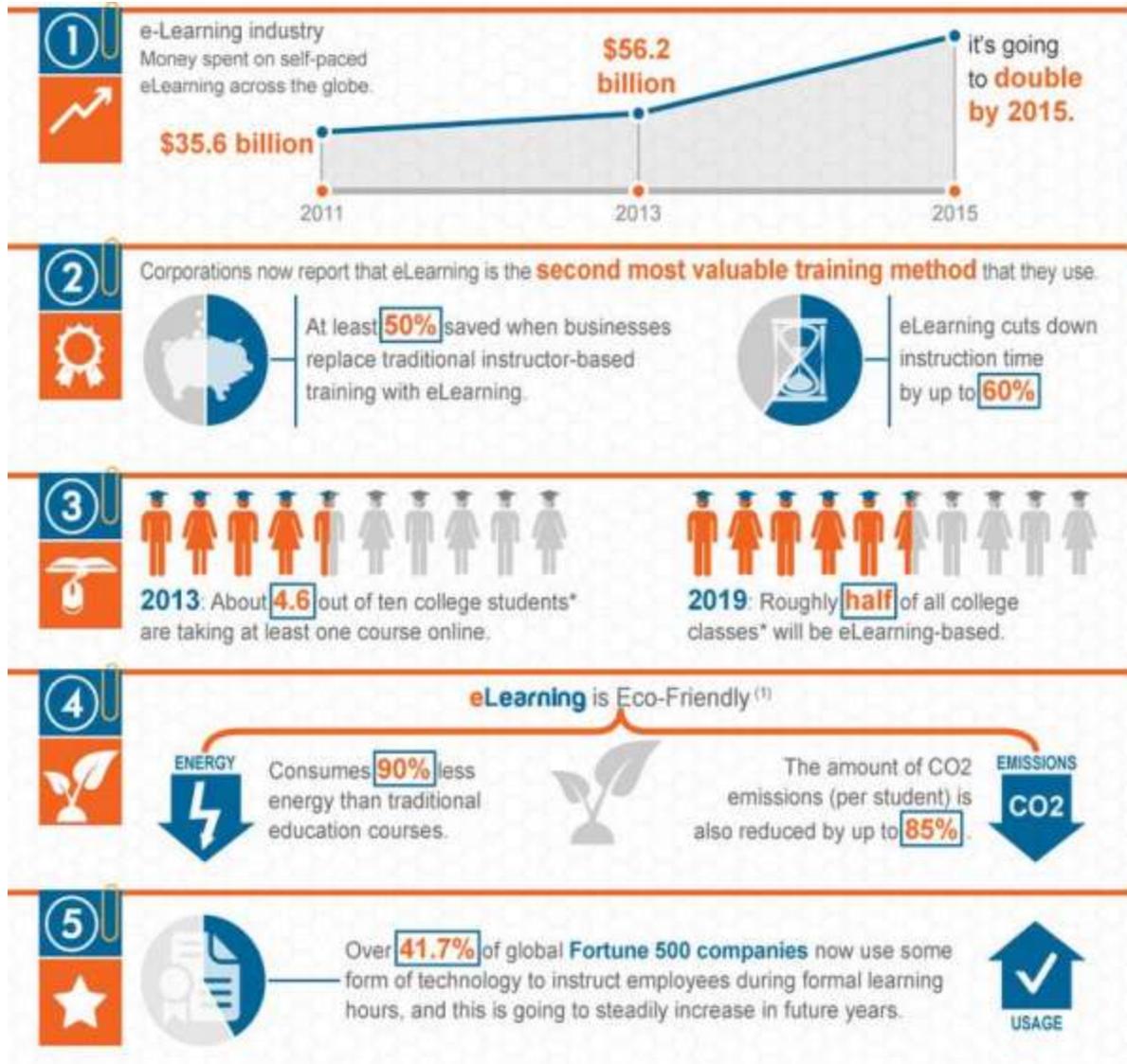
CORONAVIRUS OUTBREAK

The global pandemic has taken a huge hit on all the sectors of the economy. While it's been slightly easier for MNCs and professionals to adopt work from home because the new normal and continue business as was common, the days are challenging for the education system around the world. The adoption of smart classroom systems by schools is transforming from the normal education system. Though the crisis is shocking, the schools are technologically advanced. No doubt, students and teachers have had to form bigger adjustments as learning has always been in classrooms. Moreover, many of them are not well equipped with technology tools to avail of remote learning.

USE OF TECHNOLOGY

Education is help to improve the standard of education in India. With the present pandemic, the opportunities to enhancing infrastructure across the world and therefore better education sectors have risen. Private schools had already gotten onto the bandwagon of e-learning, smart classrooms and a few even making tabs mandatory right from pre-primary education. "A key aspect of dealing with Covid-19 is to make sure that the training remains endless process virtually.

DIGITAL TRANSFORMATION OF EDUCATION SYSTEM IN INDIA

Many educational institutes are considering this as a perfect time to experiment and deploy new technology to form education delivery possible and meaningful. In a move to not let the crisis hamper the curriculum, digital transformation has become a replacement norm with educational institutes across the country. We can't deny the very fact that here in such extreme situations, "COVID-19 has only accelerated the adoption of technology to form quality education accessible to everyone." Government Interventionin response to the challenge of schools that being shut, central government, state governments and personal players have come up with various initiatives.Ever since the lockdown started, the government has taken numerous measures to make sure that the impact of the crisis on education is that the least. To help students continue their learning during the pandemic, various e-learning portals and apps are launched by the government and education bodies.

Source:https://blog.knowbe4.com/bid/397580/top-5-elearning-statistics-for-2019-2020info
graphic

V. RESULTS AND SUGGESTIONS

The online assessment platforms tech companies are continuously striving to enhance their products planned and implemented and thru more improvement is underway. The tremendous use of technology in teaching will cause a replacement era within the education sector wherein the simplest of college are going to be available from across the world to students. Quality of college, quality of IT infrastructure and familiarization of the school with digital teaching technologies are important parameters foreseen within the future. There is little question that the crisis has accelerated the adoption of technologies to deliver education and can help strengthen the country's digital learning infrastructure within the end of the day.

IMPACT OF COVID-19

The new normal usage of technology will be that significantly increasing the use large numbers of students will attend online classes from home. While this trend was already on the uptick, it will have a massive impact because of COVID-19. The country has one of the world's most extensive 4G networks on the planet. In virtually every part of the country, there is 4G connectivity. Even more impressive is that the incontrovertible fact that data is extremely affordable. Over such robust networks, classes can be streamed with ease. Students who learn in virtual classrooms will find that their learning experience is nearly as good as or even even better than that of scholarswho sit in classes.

Virtual reality (VR) is taking off in the education sector, as an increasing number of schools and universities adopt this technology. For many educational institutions, VR is transforming the way learning content is delivered, providing immersive learning experiences that can enhance student learning and engagement.

CHALLENGES

Virtual reality can cause state of the art technologies like second life. In fact, computer game program Second Life poses new challenges to its quite many users that include economic interactions, methods of communication and documentation. Recent technological advances and consumer level pricing for computer game hardware and related peripherals has led to renewed interest in its use for education and training. The planning of compelling, effective and practical applications in computer game for education is challenging. It adds additional levels of complexity and overheads to the creation of teaching material and to making sure a positive student experience.

The issue lies therein companies are heavily reliant on user feedback, which inevitably informs their product decisions. When it involves immersive technologies like VR, Haynes argued user feedback isn't always entirely objective. Business, getting the incorrect feedback can invariably end in failure, and Haynes believes this critical step within the process is posing a severe threat to early-stage businesses. "It's important to support a corporation not because it's a VR company, and it's essentially operating within an area that's become trendy, but because it's actually seeking to unravel a true problem.

V CONCLUSION

One of the biggest perks of online learning is that students can get access to a personalized learning experience. Every student has different needs and learning patterns and in a classroom environment, it is not possible to cater to each one of theirs. Online learning, however, offers a customized learning experience for every student. With technology advancing to an unimaginable extent, websites and ed-tech platforms are offering customized courses for students that are tailor-made to suit their requirements. Now, considering the lock-down situation, one can imagine that tons of EdTech companies will see and maybe seize the chance to fill the gap which will exist in bringing more schools on to the digital platform. Government Intervention is very

important so in response to the challenge of colleges and schools being shut, central government, state governments and private players have come up with various initiatives to support and benefit the students. Ever since the lockdown started, the government has taken numerous measures to ensure that the impact of the crisis on education is the least. To help students continue their learning during the pandemic, various e-learning portals and apps have been launched by the government and education bodies.

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