An Empirical study on impact of virtual education worldwide

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ABSTRACT: Education is a system which provides a life to each and every individual, it acts as a path and part of success of every individual. Education has the access to that power where a person can completely reform anything exists in this world. In order to develop this Education system a concept of Virtual Education was brought so that it would help world accessing knowledge much easier and to their ease. Virtual Education uses the platform of internet to deliver the knowledge to the people who wants and can access it. This concept of Virtual Education is like a baby in cradle which has to be developed and can be developed in order to improve the use of virtual education so that every individual can use it in more effectiveness and gain more out of it. It is always difficult for the parents to decide what kind of education they should provide to their children. Because each child has different kind of educational need and preference and depending on that education should be imparted to them. Virtual education is not similar to education available in traditional school. This kind of education is helpful to kids who find it difficult to cope up with the concepts of actual school. In fact, virtual education is held as next best solution to traditional education. This study provides the information about impact of Virtual Education on worldwide and also focuses on how it will help in delivering better Education.

Keywords: Virtual education, Global pandemic, Online learning, K-12.

I. INTRODUCTION

Virtual Education

In this fast-growing world knowledge is very important. In fact, without knowledge no one can survive. So, people are trying to get as much knowledge from were ever they can. In this virtual education plays a greater role in helping people to acquire knowledge in whatever the field they want. Virtual education is nothing but an education provided through internet. Where it connects a learner to a teacher. With the help of virtual education, a person can learn anything he wants by browsing in the internet. While "Virtual Education" is around since 1950s. However, one of the first instances of online learning in the world can be traced back to 1960, at the University of Illinois, USA. Though the internet wasn't invented back then, students began learning from computer terminals that were interlinked to form a network.

The first-ever completely online course was offered in 1984 by the university of Toronto. Later the University of Phoenix was the first educational institution in the world to launch a wholly online collegiate institution, offering both bachelor's and master's degrees. This was the beginning of a revolution whose potential was largely not known to the public back then, but one that would make learning greatly accessible and within reach of what people could ever have imagined. Now virtual education has gained a greater importance during covid-19. Because schools, under graduation, post-graduation, were closed due to pandemic. So, students were not able to go schools and colleges their education came to halt. To overcome this problem educational institution shifted to virtual mode of teaching. Were they stared providing education through various virtual education app. Educational found virtual education more convenient because they were able to provide lecture by sitting in their home. It minimizes the need for teacher and student to share same classroom. Virtual education does not include the increasing the uses of e-mail or online forum to help teachers better communicate with students and parents about course work and student progress; as helpful as management system are, they do not change how students are thought. Virtual education is helpful to the working professional also. With the help of this they can learn what they want to improve their carrier.

Virtual education is becoming a boom to the world. Aided by widespread availability of high speed-internet, making use of the technologies such as 4G and soon to be released 5G, virtual education is expected to grow by leaps and bound in the

foreseeable future. Expert predict that next wave of virtual education will occur not in North America and Europe, but newly emerging market like Africa, India and China.

II. LITREATURE REVIEW

As per Ulrich Boser (Mar. 2020) Virtual education typical refers to course completely virtual. Student receive instructional content, submit assignment, take test, and interact entirely online or virtual. This can happen "synchronously" (e.g., all students joining live hangout session at the same time) or "asynchronously" (e.g., student logging in to do homework wherever they want). Lizzion, Wilson and Simons found that somehow learners are heavily influenced by the belief of a good teaching environment which have direct and indirect effect on learning outcomes. As per the EducationWorld website online education which is a part of virtual education has gained immense popularity among working professional and students pursuing higher education. These categories of online learners find immense benefit in the autonomy and flexibility that these course offer. Online courses can be planned around their schedule which may included full-time employment, internships and earing for family. Online learning can also help them to take some leisure time to study.

Impact of virtual education on students

Most people are not aware of how computer and internet technology are transforming the way students learn. This emerging education paradigm is often called virtual education and it has the potential to improve students' achievements, educational access and effectiveness. The students who don't want to study by going to school and college they can learn through virtual education. Even they can learn more than what their school or college are providing. Virtual education helps the students in clearing their doubt about any subject. It also helps student to prepare for their examination.

Virtual education helps student to explore their option by trying out introductory topics from different fields, before committing for a specialization. Virtual education platform can help these students become more independent learners, before they make their way into college. I believe that we must not hold back students from pursuing an online course but instead provide them guidance as they navigate through it.

Mobile apps that provide enhanced learning opportunities for school children have become quite popular as of late. Since mobile phone have already found their way into the hands of childern these apps are being used to supplement classroom learning. Teacher and parents need to act as anchors and mentors, curating the kind of educational contents students are exposed to, during this tricky phase of exploring the right career to pursue.

Virtual public school, that offer full-pledged K-12 education is already sprung up in some parts of the world. They even offer combination of the traditional system with online education. There are programs provide support to families that wish to home school their children in the form of online course material. This program brings parents and teachers into the field, by involving them in their child education from the get go. However, their effectiveness in the long term needs to be studied.

Virtual education is of greater help to lesser privileged society. Because educational cost involved in virtual schooling is pretty less as it does not include the immense course fees and resources expenses among a whole lot of others that just go unnoticed sometimes. But with virtual school, the education delivered does not require such high investment and it is an advantage to students with fewer privileges who unable to attend well known campus. The cost involved in this kind of education via internet is way less than the face-to-face method.

How virtual education has positive impact on students. They also negative impact on students like.

- Safety: Virtual learning are often exposed to flaws of the internet. They are subject to inappropriate website and ads, online predators, and hackers. Their privacy is at risk as well. Also, unlike brick-and-mortar schools, students are not under the regular watchs of a teacher (Bell, 2001).

- Lack of Interaction: Online learners miss out on face-to-face interaction. This inhibits their communication skills because they do not get to communicate with fellow students and faculty on a daily basis. They also mess out on personal interaction from teachers as well as classroom discussion.

- Lack of Motivation: Online learners must exhibit self-discipline in order to be successful. Students who have trouble with procrastination and time management will have difficulties completing their work and avoiding distractions. Virtual schools also lack the structure found in traditional school.

- Unpreparedness: Students enrolled in virtual are unprepared to meet the challenges of collegiate life. They often lack the social and

academic skill to succeed at the next level. Many have trouble adapting to normalcy and structure of brick-and-mortar schools. They also have difficulties adapting to paper and pencil test.

- Affects health: In virtual education were students have to sit in front of laptop or computer for hole day. This will have adverse effect on their health because sitting in front of TV or computer will lead to eye sight problem, headache and so on. Even the students sleep will be affected because the students in different time zone have to wake up early to attend virtual class. So, children will not get enough sleep and this will lead to anxiety, fatigue and so on. So virtual education has greater impact on student's health.

Impact of Virtual Education on Educator

Virtual education can also be designed to accommodate a variety of learning styles among students. As educators, it is likely that they will have to put in additional efforts to incorporate online learning programmers into the curriculum in the most suitable manner.

Online training programs are helping teachers' educators advance their skills in curriculum implementation, policy, education system and leadership both independently and with the support of their institutions. It lets them collaborate with their peers and learn new instructional skills that are relevant to their career. These programs can help them develop new skills and capabilities in their students with the help of technology and interdisciplinary approach.

Virtual education has impacted on the way of teaching. Virtual education helps the educator to teach the subject in very easy manner. This means that educators can use internet videos, photo, power point presentation to convey the concept to students and what they want to say in easy manner. And educators can take class from the comfort their homes without any pressure. This helps them to take class with more interest. With the help of virtual education, they can give test to the students by sitting in the home through e-mail. During pandemic virtual education came to the help of educators. Because they were able teach the students and finish syllabus in time.

But educators can't completely depend on the virtual education. Although it may make education easy but it also has adverse effect/impact on the educators. Because some of the teacher cannot teach through virtual manner. This is because they are used to teach in traditional manner now, they cannot change all of a sudden. If they change also, they cannot teach in the same manner as they were teaching before. Not only this some educators are not good with modern gadgets so they will find it difficult to teach through online. Another major effect of virtual education is that there is no two-way communication because of these teachers will not come to known whether student is understanding the teaching or not.

Impact of virtual Education during Covid-19

Virtual education was used pre-COVID-19 but not that extent as they used during pandemic time. People were using virtual education for limited purpose. In other words, before covid-19 people were using only to clear certain doubt relating to subject and to send mails about the project or assignment.

But during covid-19 virtual education gained importance like anything. It had a greater impact on educational world. While countries were at different point in their covid-19 infection rates, around the world there are currently more than 1.2 billion children in 186 countries affected by school closures due to the covid-19. In Denmark, children up to the age of 11 were going back to nurseries and school after initial closing on 12 march, but in South Korea students are attaining class through online.

With this sudden shift in the learning from traditional education to virtual education around the globe. Some are wondering that adoption virtual education will continue to persist post-pandemic, and how will the shift impact worldwide educational market.

As the pandemic has reduced and lockdown came to end the colleges are opening. Colleges already planned their academics. Some colleges are bought their students back to their campus by following some precautions. Some colleges are opted for online teaching. For those students whose colleges have opted for online teaching, that means they have to take online class more than a year.

As per the research remote learning is better than in-person learning for the students who have choose it. But thousands of students will be entering their third semester as per remote instruction besides having self-selected for an in-personal college experience.

Has virtual education moving into long term, expert says that metal emotion and academic impact of that shift will be quite challenging. Not only that there will be difference in performance between the students opted for virtual education and student opted for in-personal college experience this is because the students who opted

for virtual education post-pandemic will have theoretical knowledge but not as much as practical has students who opted for traditional education.

Even before pandemic virtual education was already had high growth and people were getting adopted to this education technology. With global edtech investment reaching to US$18.66 billion in 2019 and overall market for virtual education was projected to reach to $350 billion by 2025. Whether it is online learning, video conferencing tools, language apps or virtual tutoring there has been increasing in usage since covid-19.

III. CONCLUSION

Virtual education is one best alternative to traditional education. Its is used by from primary kid to college students, it has helped in clearing doubts and explaining the topics clearly for the people who are using it. Virtual education has a greater impact on the world. In the initial stage when virtual education was introduced it was not used by many people but after some period there was a gradual increase in usage of virtual education. But during pandemic time when everything came to halt and even schools, colleges were closed, when there was no other way to teach or take class. At that time virtual education came was very useful. With the help of virtual education schools and colleges started teaching again and were able to finish the syllabus in time. Even people who were at home without any work started to learn new things and were devolving new skills with the help of virtual education. It played a greater role at that time. And after that virtual education usage stared increasing. Virtual education is helpful to the people who can't afford to send their children to schools or colleges due to fees of the schools and college. In other words, cost of virtual education compared to cost of schools and colleges is less and children can learn the same things which are thought in schools and colleges. By studying in virtual schools, the child will develop a disciple habits he will study all by himself without anyone's help. Research says that students tend to learn more when it is convenient to them. Even virtual education so helpful and it makes teaching and studying to easy even it has certain negative impact on the world. Means that whatever you study through online will not be that effective when it compared to traditional learning. Virtual education cannot be afforded by everyone because to study through virtual education you have to have phone or laptop and with internet but for many poor people it is a dream. Virtual education even has bad effect on children health.

Yes, virtual education has a greater impact on the world. So virtual education is important and it is needed to make teaching easy but it is not only way to teach. It can be used as alternative source for traditional education and it should be used when it is needed not every time if it is done then it will lose its important.

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