

THE ART OF ONLINE TEACHING: A LOOK AT SOME OF THE ONLINE TEACHING METHODS

¹Keya Sara Geevarghese, ²Dr.P.P.Vijayalaksmi

ABSTRACT--*Technology has impacted almost every aspect of our lives today and education is no exception. Online learning has become one of the most imperial parts of education. Online learning is an internet based educational process whereby a learner learns through interaction with the educator via technological means. It is also referred to as e-learning. Online learning also comes under the distance learning process. Our education system focus on the process whereby the teacher stands on a podium and lectures in front of the whole group of students while the students sit, try to comprehend and make notes at the same time. This process required a multitasking from students whereby a student was expected to listen and prepare notes at the same time which often led to confusion later while referring to the text for exams. In online learning no such multitasking is required. A student can actually listen to the classes almost anytime according to his or her convenience and can jot down the notes whenever he feels light and in this way online teaching has gained an upper hand in recent times. As Seymour Papert notes, "You can't teach people everything they need to know. The best you can do is position them where they can find what they need to know when they need to know it." Today a massive amount of information are available at one's fingertips through the internet and opportunities for formal learning are available online worldwide through application and websites. Thus Access to classes on learning has actually become independent or little easy for students.*

KEYWORDS-- *the art of online teaching: a look at some of the online teaching methods*

I. INTRODUCTION

Technology has become a part of our day to day life. It has become almost impossible to survive in today's world without technological aids. Over the codes of our social development technology and technological advancements have actually aided us in different ways. For instance mobile phones has made it possible for us to contact distant relative or distant acquaintance or friend or literally anyone at any moment through mobile phones and certain applications which can also help us to talk to them in a video conference . These technological advances have actually made their way into different areas of human society like medicine, architecture, engineering and even education as well. Talking about technological advances in the field of education one can see that there has been a significant change in the way education is persuaded today in midst of all these technological wonders. With the advancement of mobile phones and smart phones and laptops and internet it is become easy not only for

¹ M.Phil Research Scholar, Department of English and Languages, Amrita Vishwa Vidyapeetham, Kochi Campus, India

² Professor, Department of English and Languages, Amrita Vishwa Vidyapeetham, Kochi Campus, India

students but also for teachers to make their topic more presentable and more comprehensible for their students. In modern education teacher can refer to a laptop or can refer to internet services and can get an in-depth knowledge about subject which in return will help the student to gather more deep knowledge about the subject itself. So internet and technological advances in education also helped in providing a better form of education to the students as well. Technological advances in the field of education didn't happen overnight. It was actually a process that took place slowly but steadily.

II. THE ART OF ONLINE TEACHING- A LOOK AT SOME OF THE ONLINE TEACHING METHODS

When technology started influencing teaching learning experience, the introduction of audiovisual aids in classrooms was one of the most integral changes. It helped students in understanding the lecture better and enhance classroom teaching experience. Now with the coming of online teaching and other such online practices, this experience has enhanced further thus aiding distance learning as well.

Online learning has become a huge trend in recent years. While some institutions still stick-on to the old classroom teaching learning process, most of the schools today are opting for a smart room or a smart classroom facility. Smart classroom facility is technologically aided classroom facility whereby a teacher can use technological tools and internet to teach their subject. Smart classrooms help in a very deep understanding of the subject and students find it attractive to learn the subjects which were erstwhile felt boring and dull. If we compare technological classes like smart room and the age old teacher student interaction method both have their own advantages and disadvantages but at the same time with the technological advancement going on in society using technological aids in classroom teaching will also help students to adapt to the technological advancements that are happening in our society. This early adaption will also help them to cop with the social changes that are happening in society. In online learning writing down notes is not necessary as notes it can be accessed at any time. A learner can study according to his/her own interest. Online learning helps to share and access information from anywhere. The learner will get any amount of information he needs.

Online teaching has many benefits but it also has certain restrictions. Access to technology is not possible for all learners. Many learners rely on public library or school computer labs for getting access to computers. For such learners online learning might seem a far fetched plan. To use technology, training must be given, but for some it might not be possible to get proper training. All online platforms might not have adequate information for the learners while in certain other platforms, the information might be overloaded and the learner might find it difficult to manage.

One of the biggest beneficiaries of online teaching is higher secondary students. Higher secondary students are pretty immediately pushed into the system of online classes as it helps them to cop with higher educational process. While perusing higher education one must rely on computer, internet and other technological aids, with a very firm base in online learning while in higher secondary schools a student will find it lot more easier to access information while perusing his graduation or post graduation. It is because of this benefit that there is lot of online platforms to explore for higher secondary students. There are lot of mobile applications, YouTube channels and other such internet platforms where a student can not only peruse his/her own school education but these apps can

also benefit in his graduation as well. mobile learning apps like BYJU's, not only provides student with basic information with the subject but it also has a very expanded and very elaborate coaching classes and institution that also help higher secondary students to prepare for their entrance examinations and other examinations to peruse their career.

One of the reasons why online learning apps and computer websites have become so popular and influential is because of the various delivery modes involved in its process. While some students prefer direct video classes whereby a teacher teaches his or her lesson through live video calls. In this mode the student can actually clarify their doubts on the spot with the teacher. Others opt for a self paced learning where a teacher uploads his/her class on a particular website or app and student according to his free time can access this video anytime and anywhere.

There are certain thing a student must note while studying a online course .Starting an online course is not very easy, to start online class one should first know what the learner needs, only according to the learners wish the classes can be designed. Planning online class is exactly how we plan a traditional class. The learners must be given preference for both online and tradition class. Online courses must include assignments, seminars, examinations, quiz, activities, and discussion etc for the better understanding of students.

In the present education system, many students depend on online apps. These apps facilitate student learning process through different innovative methods such as videos, animated videos. Graphs or pie charts or other relatable examples. There are many apps for students to increase their knowledge and for better understanding. some of the application which are been followed by students in India is BYJU's-The Learning App, Unacademy, Khan Academy, Vendantu, LinkedIn, Brainly etc, there are many moresuch apps. BYJU's app is one of the most used applications which is been used my millions of stuents today. It is a mobile applicationwhich was launched in 2015 by Raveendran, the founder of BYJU's app, an engineer and also a mathematics teacher. he thought of an app which would help students to learn with better understanding and knowledge. The app was introduced after a long struggling 4 years by its founder Raveendran. Once it was launched, within 3 months millions of students downloaded the app and started using it for their learning process. This app mainly focuses on mathematical and scientific subjects. Students from kindergarten to 12th grade can benefit from the app. The subjects are taught mainly through video representations accompanied by teacher's explanation. According to the age the visuals are given, for a kindergarten, cartoon characters are used for better understanding. Likewise for 12th grade the teacher explains it with pictures or diagrams. The app not only focuses on higher secondary education of students, it also provides them with sufficient knowledge about competitive exams like CAT, GRE, GMAT, NEET, JEE and IAS. What makes BYJU's app stand out from othersuch application is thatVideos can be accessed at any time and it is convenient for all users. The video can be repeated many times and it can be seen till the topic becomes familiar. These innovative feature help the app grow and help our students learn.

The advancement of technology has even promoted governments to adopt technological innovation in teaching learning process. ICT's are used in classroom extensively for teaching learning process and so MHRD and NCERT joined hands and introduced ePathshala as well. EPathshala contains textbooks, videos, and audio for students which can be accessed by them at anytime and anywhere. Unlike BYJUS app the access to ePathshala is not restricted to students only, even parents, teachers or research scholar can benefit from the application. All the materials can be downloaded at any time and can be used repeatedly. There are around 1000 subjects including

science, arts, mathematics etc. To provide free and better education for students government has introduced the app. It was launched on 2015 by our Prime Minister Narendra Modi.

III. DISCUSSION

Khan Academy is another educational organization that helps students learning process through technology. The organization was created by Salman Khan in 2008 to introduce a new online tool to students. This can be accessed for free. Lessons are taken in the form of videos. The content is mainly in English but it is also available in many other languages too. This website can be used by students and teachers. It includes all subjects for all age groups. Even teachers can make use of it and prepare notes. Khan Academy has websites, apps and also YouTube channels for easy accessibility. Its main aim is to educate students and provide them the best method.

As mentioned earlier higher secondary school students who are about to appear for their 12th standard board examinations are one of the best beneficiaries of online teaching learning process. It is more convenient for high school students as it is flexible and interesting than regular classroom teaching. Methods followed in online teaching are not the ones followed in classrooms teaching learning process. In contemporary times students are expected to be more creative and innovative and so teaching learning method also needs to have this creative and innovative mix. Sometimes high school student face difficulty in learning mathematics and science subjects because of the complexity involved in their learning. Students after completing their 10th standard often hesitate to take scientific and mathematical subjects because of these complexities. This is where application like BYJU's app comes in handy. BYJU's app helps students to understand the complex algebra processes and other trigonometry or scientific equation in a better way. For instance BYJU's app uses a very animated video of a frog which explains how the internal organs of a frog are places and how it functions. Watching such animated video gives students a very in-depth analysis or knowledge about the functioning of a particular subject or a topic. One of the aspects which has made BYJU's app very successful startup venture is the use of animated video in their teaching learning process. Students pass their 10th and students in 11th and 12th standards pretty often face a situation where they find it hard to understand scientific equations. BYJU's app gives them a very in-depth analysis of these equations and a student after learning through BYJU's app will not only easily understand the concept but it will also be imbibed in his memory for a very long time. BYJU's app makes learning easy by making each chapter interesting. Mathematics and science are taught using pictures and graphical representation which helps students to understand properly. This app has reduced the student difficulty and made students work easy and has helped them come out with flying colors. BYJU's apps also help students to prepare for competitive exams like NEET, JEE etc with their extensive program that start as early as 8th standard. All the resources are provided in the application and can be accessed at any time. Students can prepare the subjects well in advance and score good marks. The doubts can also be clarified in a proper manner. The video can be repeated many times till a student understand a particular topic.

10th and 12th board exams are considered to be one of the most crucial periods in a student's life. These exams shape their future life. BYJU's app provides such students with platform whereby they can prepare for their 10th and 12th board exams well in advance and in a manner that they can not only pass the examination but also come out with high percentile of marks. Among other benefits of BYJU's app one is that it also gives access to

students to previous years question papers and certain other mathematical and scientific tips which will benefit students in examination. BYJU's app also concentrates on certain aspects of exam preparation which are not usually discussed in classroom. For instance BYJU's app has an evaluation text whereby a student is prepared to answer a particular question in a given particular time. This evaluation test helps student perform and manage time in examination, which has been a very common problem among the high school students.

IV. CONCLUSION

BYJU's app always begins from the basis for the better understanding of students. Students find it easy to move from one topic to another. There is a continuation in their lessons, as students can peruse a particular lesson until they have understood the lesson in its totality. Special courses for NEET and JEE are provided. After each chapter there are multiple choice questions and only after perfecting these questions the next chapter will be discussed. Students can analyze their own growth. Shortcuts are taught for better understanding. For competitive exams these platforms train the students to manage time and to answer all questions. The visual representation helps students to retain the topics in their mind than byhearting them.

Every year there is a large increase in the number of students subscribing to application such as BYJU's app. students are depending on online courses and various applications, channels and other websites for better understanding of the particular topic. According to a survey it is reported that there is an increase in the number of students who get educated through online sources. Even various educational institutions are providing online courses for students as it has become a very effective way of transferring knowledge. There is a huge increase in the number of students subscribing to these apps and learning from online sources. As mentioned earlier one of the most important aspects of these apps like BYJU's is that it provides students with the liberty to access and read or understand their lessons at any place and any time. In a competitive world where students are not busy not only in their academic loads but also in extracurricular works. online learning platform gives students the liberty to plan their schedule according to their benefit. It is not necessary since there is no particular teacher involved in applications like BYJU's, student can access the course at anytime according to his free will. This helps him not only in understanding the topic but also in managing the time and schedule of his work

REFERENCES

1. Chaudhuri, Prasun. "Video Gurucool." 5 YouTube Channels That Can Help with Your Studies, Telegraph India, 1 Jan. 2019, www.telegraphindia.com/technology/5-youtube-channels-that-can-help-with-your-studies/cid/1680447.
2. Desk, India Today Web. "5 Advantages of Online Education That Might Change How You Look at Studies." India Today, 22 June 2017, www.indiatoday.in/education-today/featurephilia/story/online-education-advantages-984138-2017-06-22.
3. Desk, India Today Web. "How to Judge the Quality of Any Online Course before You Join One." India Today, 30 Nov. 2018, www.indiatoday.in/education-today/featurephilia/story/tips-to-judge-the-quality-of-any-online-course-1399851-2018-11-30.

4. Desk, India Today Web. "Is Online Learning a Boon or Bane? Know the Pros and Cons Here." India Today, 21 May 2018, www.indiatoday.in/education-today/featurephilia/story/online-learning-pros-and-cons-html-1237920-2018-05-21.
5. Desk, India Today Web. "Online Tutoring vs Classroom Teaching or Offline Teaching: Which One Should You Choose?" India Today, 21 Oct. 2019, www.indiatoday.in/education-today/featurephilia/story/online-tutoring-vs-classroom-teaching-or-offline-teaching-which-one-should-you-choose-1611550-2019-10-21.
6. Desk, India Today Web. "Top 5 Educational Apps That Every Student Should Pursue for Their Exam Preparation." India Today, 30 July 2019, www.indiatoday.in/education-today/featurephilia/story/5-educational-apps-student-exam-preparation-divd-1575205-2019-07-30.
7. EBSB, epathshala.ncert.org.in/ebsb.php.
8. Khan Academy, Khan Academy, www.khanacademy.org/about.
9. Mihai, Livia. "4 Big Reasons Why K12 Students Love ELearning." ELearning Industry, 17 Oct. 2017, elearningindustry.com/4-big-reasons-k12-students-love-elearning.
10. Nick. "Top 10 Edtech Companies in the World 2018." Technavio, Technavio, 5 Sept. 2018, blog.technavio.com/blog/top-10-edtech-companies.
11. "Organisation." NCERT | Learning on the Go, Govt. of India, epathshala.nic.in/component/.
12. Passi, Anish. "How Online Education Is Shaping Students Future in India." EdTechReview, 22 May 2019, edtechreview.in/e-learning/3511-how-online-education-is-shaping-students-future-in-india.
13. Patelkhana, Ramya. "#CareerBytes: 5 Best Educational Apps for Class 12 Students." NewsBytes App, NewsBytes, 2 May 2019, www.newsbytesapp.com/timeline/India/45598/205748/list-of-best-mobile-apps-for-class-12-students.
14. "Personalised Learning." e Learning for Online Courses like UPSC, K3, K10, K12, CBSE NCERT, ICSE, NEET & JEE, byjus.com/?utm_source=Google&utm_medium=CPC&utm_campaign=K12-Byjus-Brand.