Boom of E-Learning Replacing offline Learning

Sakshi Roopchandani

University of Rajasthan

Abstract

E-Learning has become an only support of learning in the pandemics. As without its support studies would have become difficult or discontinued. Information and Communication Technology has proved itself a best source of learning. As entire country was suffering from Covid-19 which led to complete shutdown, financial problems and losses but internet kept people connected and leaner linked with learning .As ICT was the only source left of learning. So it has taken the place of school and affected offline learning. As the world was closed life has taken pause the only thing blooming was the E-platforms like Byju's, Unacademy, vedantu etc which not only helped the students in learning but also developed them to access more use of technology and due to this benefits they have became the next best alternative of education centre. School, colleges and universities slowly shifted the entire learning system to a virtual mode. To get the research work done I used primary source of data to get the more accurate findings. However as we know every coin has two sides same is applicable with e-learning some dark side   like artificial intelligence and internet of thing has reducing the scope of e-learning. But we will be making better and better society and looking forward for its more beneficial and more advance use of technology.

Keywords- Internet of thing, E-Learning, ICT, Educational advancement, Micro learning.

Introduction

" As everyone knows water is must for life to survive in the same way in today's time Internet is must for education to grow " India is one of the 2nd most populated country with 136.6crore population and this has become the one of the youngest country in the world with average age group. According to 'National Youth Policy of India' (2014) defines youth in the country as persons belonging in the age group of 15-29 years. It was sais that India is expected that 34.33% share of India's youth in total population by 2020 . Considering these   facts and collecting primary data it is observed that the marketplace of learners are more responding to E learning rather than on offline learning as E -learning is giving more comfort in the studies. As E-learning market is covering much more segments than offline learning academic, technology, services, vast content. The most important thing helping in this success is Information and communication technologies (ICT) and Internet playing the significant role in helping to increase in the education advancement during the last few years. As electronic learning system to make use of these technologies so successful, quality comparable and effective with some of the traditional education learning system, the electronic learning system is designed with more care and specification

A ICT based electronic learning environment enables well-structured, synchronized as well as a synchronized according to learner needs and interactive multimedia instructions. Considering its impact positive on the performance of students and potential of e-learning in promoting lifelong learning.

Objectives

The study covers the objectives which can be listed as :

- To study the Impact of E-Learning over Offline
- To analyses what are the reasons behind the development of more online than offline

Research Methodology

The targeted population of this study was students involved in online learning on different platforms of different ages for different purposes therefore are capable of understanding the concepts of E-Learning and best suitable for our research. So for collecting the data   Participants were 58 students who are currently involved in some sort of E-Learning. A survey was conducted for the students with the help of Google form and time allotted was 6-7 days to fill the survey form .Online resources was also used to gather more information which help to gain a better understanding of the concept. All the relevant data is used in the research paper has been collected from primary source. This method would yield better results because students would not alter their behavior for the survey. It has also been stated that more students are engaged in preparation of Competitive exams using an online source of learning.

Scope of E-Learning

E learning termed as learning or acquiring knowledge with the help of electronic source use of ICT in learning is known as online learning. E-learning can also be defined as a network enabled transfer of knowledge, skills and the discourse of education is made to a large number of recipients at the same or different times. Earlier, it was not accepted wholeheartedly as it was believed that this system lacked the human element required in learning. With the rapid increasing usage advancement in learning systems E-learning becoming more flexible, versatile and convenient way of leaning for the students as it is giving them many opportunity to learn new things in flexible manner. Online platforms have become a lot more common in education sector. They are seen as a complementary tool for learning.

Online learning platforms quickly became the frequent choice for primary, secondary and higher education. Online lecture slowly and gradually have started becoming the new normal for education. School, Colleges, university has started training their employees to promote better education facility to their students. It is not just high school or university that are running online even the competitive exams , test preparation segment for various government sector and banking jobs have taken it to the next level by introducing free courses , mocks on their respective platform.

Now students are able to learn whatever and whenever they wish to learn according to their convenience. They are able to access e-learning material from home, work or wherever they choose and at any time of day according to their choice. Students can also control the pace at which they can learn .According to the survey done it is found that female prefer more online as compare to male. 63.8% female and 36.2% male preferred e-learning. Even now government have taken many initiatives to promote the digital and technology compatible education and remove the digital divide to provide easy connectivity and reach to the students.

Benefits of E-Learning

- Increased thinking skills among the learners.
- Easy to store information and save paper resources.
- It is the best way to save time so it is time and cost effective.

- Gives opportunity to attain mock tests and analysis their performance   .
- E-learning is the most convenient and flexible way in today's time   .
- It can be scheduled according to the convenience.
- It gives freedom to take decision as per the wish   .
- Gives student a chance to see recorded classes   .
- Skills and talent is emerging
- There is large accessibility of e-learning material.
- E-learning is more portable.
- It promotes Machine learning Algorithm   .
- Freedom to take decision and place not matters.
- Voice assisted robotics technology.

Drawbacks of E-Learning

As per the data collected it is believed that-

- There is lack of emotional touch in online learning   .
- It is less personalized   .
- Online learning leading to social isolation   .
- Limited feedback   .
- Preventing cheating in online assessments is bit difficult and complicated   .
- Continue sitting at one place give rise to health issues.

Traditional Education

Traditional (offline) leaning method is the oldest and more preferred method of learning during previous years. It is way of learning which creates social interaction in order to perform academically well. According to data collected it is concluded that 56.6 % students feel lack of emotional touch in e-learning so they feel connected in offline method of teaching. It was method when a teacher directs students to learn through memorization and recitation techniques

Offline education basically indicates the reception of knowledge through regular interaction of a teacher and student physically at one place. Learners are attentive towards class only less sources of distraction. Teachers can provide one to one attention to the students and review their issues and solve it quickly. Mostly in offline learning   Micro learning is preferred it means a relatively small learning units and short-term learning activities. Examples of micro learning are short videos, small games, quizzes etc.

Problems of Offline Learning

- There is lack of interest and skills emerging.
- Analyzing mistakes is difficult and rigid.
- It is more time consuming way of learning and need more time and cost.
- Offline is less visually attractive.

- It is less effective as compared to online.
- Students feel lack of opportunity to learn advancing technology.
- No recording or any other source of data is not available for students who missed the class for later references.
- It leads to more use natural resources like paper, pencils, and eraser.

Impact of E-Learning over offline

According to survey it is noticed that slowly and gradually student are losing their interest in offline and stepping forward towards online as it is giving many advantages and more scope of learning is there. They are not bound with one particular topic at a time they can switch to more than one topic at a single point of time without thinking much about place and not instruction bound they feel free to explore according to their own willingness and level of interest. E-learning is making students more prone to technology and creating their interest in it helping their mind to be creative and innovative. But on other hand if we talk about offline it has many boundaries set sitting at a proper place at proper time without any choice as it was the only way to learn. Limit is set in learning it means student can learn only till the extent teacher teaches. If we talk about limitation then we can say that if a single class is missed there is no way to cover it except doing by itself .so e-learning giving more advantages so because of all these things online is booming in market and taking the place of offline.

Reason behind development of more Online then Offline

Life seemed to have taken break. Race of life stopped in pandemic but not of studies the only reason behind is Technology and internet. Education has been the backbone of every Nation to develop to grow so ICT is the only thing which helped the Nations to cope up in the hard time when everything was stilled but learning did not stop for all those willing to learn. Online marketing of education is growing day by day platforms like Byju's, Unacademy and Vedantu has taken a deep rooted place in the market and turned the things around. E-Learning is more preferred because it gives benefits of Mobile Application portability. We can access it at anywhere at any time while travelling, cooking, working we can learn. It has huge advantage of affordability, accessibility, easy to update and many more. E-Learning is also helping students in their practical work. It saves us from huge losses .In case if we make any mistake in doing a experiment or mixes a wrong combination of chemical. It will not cause any damage it is the biggest advantage of e-learning. Artificial Intelligence Internet of thing has made human work much more easy and comfortable. It has boosted the e-learning market. Mobile apps can be accessed by people on all device types easily as long as they're connected to the internet, and deploying updates is much faster and easier procedure. Online portals are now developing innovative solutions where robots will be soon able to teach students both on the learning path, as well as during the courses. So the time slipped, the story slipped offline is changed to online. Thanks to Zoom calls, MS Team, Google Meet and many more applications, who helped students to remain in touch and fill the gap with studies.
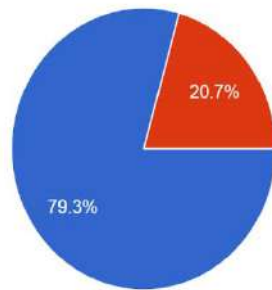
Findings

Which method of learning you found more flexible ?
58 responses

- E-learning
- Offline learning

41.4%

58.6%

Were you able to find your interest increasing and skills emerging ?
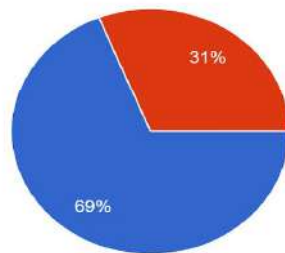58 responses

- Yes, It gives more opportunity to explore Internet and Technology .
- No, It is time consuming to find the things over internet .

79.3%
20.7%

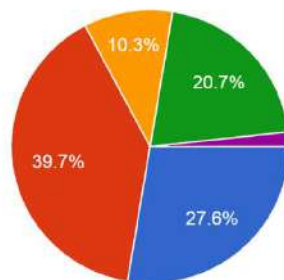Did you like the overall experience with the online learning ?
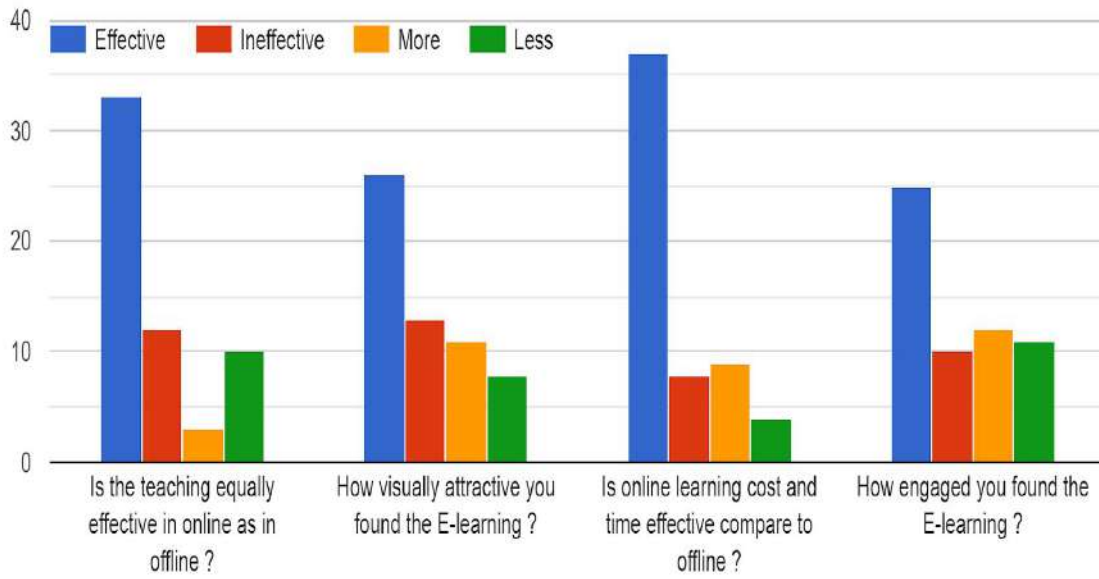58 responses

- Yes
- No

69%
31%

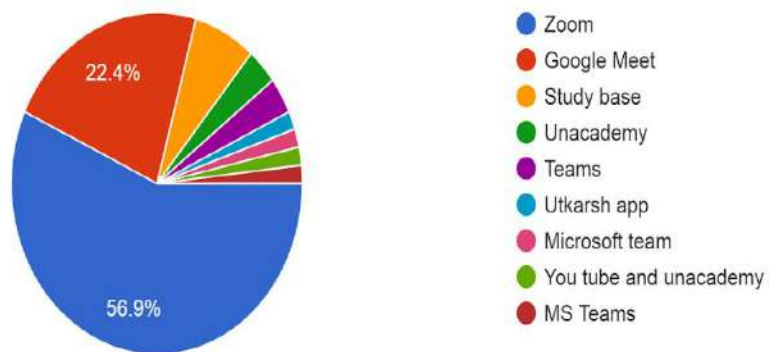In which E-learning process you are engaged ?
58 responses

- School learning
- Competitive exams
- Proffesional cources
- College learning
- None

10.3%
20.7%
39.7%
27.6%

Please rate the following-

Which learning application do you use the most for online learning ?
58 responses

Conclusion

Above collected data was analyzed and found that in today's modern era students are close to technology and feel more flexibility in learning as compared to offline but more of women's taking interest and keen to learn online as compared to offline. Students learning online are primarily more of competitive exams then secondarily of school learning, professional courses and college learning and so on. It is observed that the use of technology in learning give a positive effect to the learning process as committed by students. It was found that student is 58.6% engaged in online. 63.8 % students Interest and skills are emerging day by day and 91.4% feel the need to have face to face communication while discussing the difficult topics. E-Learning giving more opportunity to explore internet and technology. 67.2% students said achieving marks in online is easier than in offline and 69% believed that overall experience of e-learning is excellent. Every student should Thanks the satellite Technology and because of that cost have reduced significantly that every student can bear. Whether a school or doctoral student. We can make a fuller advantage of bandwidth provided by broadband satellite system, because it has opened up a world of opportunities. E-Learning has bright and shinning future in India.

Government Initiatives for Online Learning

As per the information taken from the government website NPTEL is to facilitate the fight of Indian business within the world markets through rising the standard and reach of engineering education. The operational objective of NPTEL is to form up learning material obtainable to students of engineering establishments across the country by exploiting the advances in data and   communication   technology.   The   target cluster for   this   project   consists of   scholars and school of establishments providing undergrad engineering programmes in Bharat. it had been the primary initiative within which all IITs and IIMs shared a typical vision and projected to figure along to enhance the standard of science, engineering and   management   education   all   across   the   country   by providing courses   through   Virtual   Centre   for Technology increased Learning (VCTEL). This proposal was submitted to MHRD in 1999 and revised many times (EGPAICTE-NPTEL). The aim of this virtual centre is to collaborate between establishments in developing sharing and diffusing dependent and fascinating applications of technology in education and learning.

VCTEL has four major initiatives-

These includes

- Digital libraries
- Plan of basic science coerces victimization new types of technology
- Cooperative scholarly person education victimization technology increased learning environments
- Delivering Distance education to operating

National Digital Library of India (NDLI) is a project under Ministry Of Education. It is place to save documents digitally containing textbooks, videos, lectures.The NDLI provides free access to many books. It is available in mobile application.

One of the unique day 9 July 2017 4 digital initiatives of higher education was launched-

1) SWAYAM- Study Webs of Active–Learning for Young Aspiring Minds MOOC,s Portal
2) SWAYAM PRABHA- is an initiative of the Ministry of Human Resources Development to provide 32 High Quality Educational Channels through DTH (Direct to Home) across the length and breadth of the country on 24X7 basis
3) National Digital Library - is a project under Ministry of Education, Government of India. Its motive is to collect metadata and provide full text index from several national and international digital libraries, and also to other needed sources

4) National Academic Depository - The concept of National Academic Depository **(NAD)** is born out of an initiative by MOE to provide a 24X7 online depository to Academic institutions

References

1) ANG, W., Jedi, A., & Lohgheswary, N. (2021). Factors affecting the acceptance of open learning as e-learning platform by technical course students. Journal of Engineering Science and Technology, 16(2), 903-918.

2) Gunasekaran, A., McNeil, R. D., & Shaul, D. (2002). E-learning: research and applications. Industrial and commercial training

3) Huang, H. M. (2002). Student perceptions in an online mediated environment. International Journal of Instructional Media, 29(4), 405.

4) McSporran, M., & Young, S. (2001). Does gender matter in online learning?. ALT-J, 9(2), 3-15.

5) Zhong, S. H., Li, Y., Liu, Y., & Wang, Z. (2017). A computational investigation of learning behaviors in MOOCs. Computer Applications in Engineering Education, 25(5), 693-705.

6) Donlevy, J. (2003). Teachers, technology and training: Online learning in virtual high school. International Journal of Instructional Media, 30(2), 117.

7) Spurlock-Johnson, J. I., Zhang, W., & Allen-Haynes, L. (2004, November). Can e-learning replace the traditional classroom? A case study at a private high school. In Proceedings of ISECON (Vol. 21, No. 1, pp. 1-7).

8) Kamsin, A. (2005). Is e-learning the solution and substitute for conventional learning. International journal of the computer, the internet and management, 13(3), 79-89.

9) Ray, A. E-learning: the new normal in the post-covid world. International Research Journal of Modernization in Engineering Technology and Science, 2(9), 866-876.

10) Carnevale, D. (2003). Learning Online To Teach Online. Chronicle of Higher Education, 50(10).