

Online learning is not only convenient but often more effective than traditional classroom instructions

Date 20  
M T W T F S S

1) Introduction

2) Online learning is convenient than traditional classroom instructions in the following ways:

2.1) Online learning offers schedule flexibility, enabling students to balance academic and personal life.

2.2) Online learning support self-paced learning, allowing students to progress according to their capacity

2.3) It enables to choose learning environment that enhances the productivity

2.4) It is more administratively convenient to manage large number of students.

3) Online learning is often more effective than traditional classroom in following ways:

3.1) The use of multi-media in online learning creates the attractive interface that increases the student involvement

3.2) The frequent assessment through online learning reduces the distraction



3.3) It enables students to interact around the world, that helps to innovate ideas

3.4) Online learning enhances the capability of students regarding technology, that improves their technical skills.

3.5) It promotes creativity through problem solving projects, helping to develop entrepreneurial mind.

3.6) It helps to curb gender disparity in education sector due to its accessibility

3.7) Online learning reduces favoritism by minimizing subjective bias in academics

3.8) The cost-effectiveness of online learning system enables government to maximize literacy.

#### 4) Conclusion

The bloom of internet in the era of 90s give rise to its usage for general public. By time it became one of the key tool to communicate and circulate information. The acceptability of circulating knowledge through internet gave birth to the concept of online learning. The advancement in the technology made online learning convenient, because it offers schedule flexibility, supports self-paced learning and it provides environment that enhances the student productivity. On top of that, online learning is more effective than traditional classroom instructions. The use of multimedia technology, frequent assessments and global interaction of students, made the learning process attractive and effective. Moreover, it curbs the gender disparity, improves the technical skills of students and create the cost effective method for government to expand overall literacy. Online learning system is a great break-through in education, due to its convenient nature as well as it more effective than traditional classroom instructions.

Online learning offers schedule flexibility enabling students to balance academic and personal life. Throughout the world traditional schooling starts in the morning and takes around 6 to 8 hours to complete entire session. After that students are unable to participate in personal life due to hectic day.



On the other hand, online learning system is accessible at anytime that helps the working individuals to manage their studies along with personal commitments. According to Harvard University's report on online learning, the students that having tight personal schedule are unable to manage academics, but through convenient nature of online learning they are able to manage personal and academic life.

Additionally, online learning support self-paced learning, allowing students to progress according to their capacity. In traditional system the classroom consists different type of students. Some are those who have fast learning capabilities and other are relatively slow. Due to the framework of completing syllabus, some students are unable to learn properly. Conversely online learning system or platforms have storage capacity recorded lectures, that help the students to clear their doubts at any stage. According to Sabah University of Malaysia, an online learning's self-paced process study found that among 102 students 61 are slow learners. Through virtual learning these students also performed competitively with others. This shows that online learning enables students to progress according to their capacity.

Moreover, it enables students to choose a learning environment that enhance their productivity. Learning environment have vital role in the growth of students. Unfortunately in underdeveloped countries, the lack proper infrastructure like, cleanliness, resting areas and sometimes the behaviour of students and teachers hinders the learning process. Contrary to that, online system supports the relax and peaceful environment for students. According to the report of Education ministry Punjab in Rahim yar Khan district in 2023, the students with comfortable environment are 23% more productive than others. This showcases the convenient nature of online learning enhance the productivity of students.

Furthermore, it is more convenient administratively to manage large number of students than traditional system. On administrative side the traditional system of enrolling students and managing their yearly progress is hectic process, However due limited time. However, through online learning system every student got self enrolled and by completing tasks their progress report increase or decrease. For example most of the educational institutions are using "Learning Management System" (LMS), to evaluate student progress. This shows that online learning is also administratively convenient than traditional classroom.

Online learning is convenient but it is also more effective than traditional classroom instructions as well.

First, the use of multi-media technology in online learning creates the attractive user interface that increases the student involvement in learning. In virtual learning methods the videography, animations and games are used to deliver lecture, that attract the students particularly during primary and secondary schooling. In Indonesia schools created online learning websites to with animations to develop the interest of students in science. Resultantly, 79% increase in the students interest and learning has been witnessed. The study supports the interactive and attractive nature of online learning that is more effective.

Second, the frequent assessments through online system reduces the learning distraction. It is hard for teachers to conduct frequent exams in schools due to limited time and evaluation process. Therefore, most of the students schools conduct on yearly basis. This distract the students and they do not proper time to learning. To solve this problem University of London introduced E-assessment method in 2024, where students are abide to take online exams every month and through the use of artificial



intelligence the results are uploaded frequently. This system bound the students to study throughout the year and reduces distraction effectively.

Third, it enables students around the world, that helps to innovate new ideas. In traditional classroom system students are bound to interact with students of people of same surrounding with almost relative interests. However, online learning platforms provides opportunity to interact around the world through discussion platforms. These discussions often seeds new ideas or different perspectives. Such circulation of knowledge helps to innovate new ideas. One of the prime example in this scenario is Global challenge award by University of Vermont. This online science program brings together students around the world to work in international teams to innovate ideas on different problems. This shows the effectiveness of online learning than classroom instructions.

Besides, online learning enhances the capability of students regarding technology, that improves their technical skills. In conventional schooling system the interaction of pupil with technology is limited to specific subject, having particular syllabus. However, online learning method educate students not only regarding specific discipline but also help



them in handling technology. The purposive educational environment built their interest in learning demanding technical skills like coding and web development. As per the study of Cornell University on impact of information and technology communication (ICT) in Pakistan's education sector, showcases that students using technology for study but have higher interest in learning technical skills. This emphasize the effectiveness of online learning.

Additionally, it promotes creativity through problem solving projects, helping to develop entrepreneurial mind. Online learning process comes with "Problem based learning" method in higher education system particularly. During any course specially related to science comes with project that need to done for completion of study. Most of the time projects are based upon real problem solving. By solving problem the students got the opportunity to scale as entrepreneur. According Harvard Extension program report most of the students try to scale their career in the field they studied online like launching games or software development services.

Moreover, it helps to curb the gender disparity in education due to its accessibility. In extreme societies women education is still considered as immoral. People raise

false concerns of immorality and do not allow women to get graduate level education. However, online learning method is a mechanism that helps women in such society to access higher education. Platforms like Coursera, Edx and Khan Academy offers online degrees from universities. According to World Economic Forum, using same project in Egypt, the ~~men~~ annual female participation from rural areas in higher education rise from 9% to 16%. This shows the effectiveness of online learning also as a tool of social change.

Furthermore, online learning reduces favoritism by minimizing subjective bias and in academics. In this system performance is assessed primarily through standardized digital submission, that went through an automated zero scoring system. It ensures transparent grading. Each student receives equal opportunity to demonstrate their ability. This creates merit, rather than personal relation or social status, determines academic success. The American Education Department in North Carolina, conducted the study on 478 instructors and found the same problem. To ensure fairness they introduce virtual system that helped them to maintain transparency. This is the prime example of eliminating classroom problems through online education.



Lastly, the cost effectiveness of online learning system enables government to maximize overall literacy. In conventional educational system, the proper infrastructure like, building, staff and maintenance is required, that cost large amount and hard process specially in rural areas. While online education can be delivered through single screen placed in any compound, network connection and with one operator. The teacher can ~~give~~ deliver lesson from anywhere. The similar project was launched in Rajasthan India, to increase the literacy rate in farmost areas. According to statistics 17% increase has been witnessed through this program. This shows that online learning is effective in developing literacy.

On a conclusive note, the online learning is convenient because it offers flexibility, self-paced learning and provide administrative easement to manage large number of students. It is also more effective than traditional classroom, due to the use of multimedia, it curbs distraction and enables students to innovate new ideas. Moreover, it also help to curb gender disparity in education and its cost effectiveness help the government to enhance literacy. Hence, it is clear that online learning is not only convenient but often more effective than traditional classroom instructions.