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A comparison of the effectiveness of online and offline learning

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Abstract
Because of the cutting-edge technology, online courses provide students the freedom to study wherever there is internet and let them communicate with professors who are located far away. Online courses are predicted to replace the conventional method of learning, which involves attending classes in a physical classroom, because of its ease. Schools all throughout the globe temporarily switched from using physical classrooms as their primary method of instruction to using online classes exclusively after the COVID epidemic broke out in 2020. The effectiveness of both physical classrooms and online programs might be improved with input from students. Students who have taken both physical classes and online courses at COVID in 2020 are given online surveys as part of this research. The purpose of this research is to compare and contrast the efficacy of traditional campus-based education with that of online learning. Feedback is gathered to evaluate the effectiveness of offline instruction against online learning; variables that affect the efficiency difference are examined and recommendations are made for improving the learning experience.

Keywords: Effectiveness, online courses, traditional, physical classes and feedback

Introduction
In the twenty-first century, when most classes are taught online, there are several resources available to teachers and students alike. Physical, face-to-face, or offline learning is the gold standard. According to Pei and Wu (2019) [1], offline education is still the most common mode of instruction due to factors like student motivation, technological challenges, time management, and restricted internet connection. To maximize the benefits of direct instruction, offline models insist that students show up to class in person. The face-to-face teaching and learning process may be changed to an online technique despite the limitations caused by the COVID 19 epidemic, since online learning has brought advantages for broadening the breadth of education despite many obstacles. Online education in higher education has been a topic of considerable discussion. The COVID-19 epidemic has altered the dynamics of the classroom and the relationship between professors and their students. Universities can no longer engage in particularly secluded activities due to the epidemic. Institutions use online learning in an attempt to provide a consistent educational experience for students and teachers alike.

The Beginnings of Online Learning
The growing number of students who use the internet to supplement their formal education is changing the dynamic between teachers and students in the classroom. To meet the needs of their growing international student bodies, institutions are placing a larger emphasis on online education and expanding students' access to it. "There has been a substantial spike in the number of online courses delivered by colleges" (Lundberg *et al*., 2008) [5], found the results of a recent survey. In addition, think tanks help get the word out about online courses. Findings from a research conducted by the Sloan Consortium show that enrollment in online courses increased by 17% between 2009 and 2010. Keramidas (2012) [7] provides evidence that contrary appearances, online education has been present for quite some time. The University of London was the first major university to provide correspondence courses and distant education somewhere in the middle of the nineteenth century.

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This kind of education didn't catch on in the US until the latter part of the 19th century since it needed the use of the postal service. Boston, Massachusetts was the birthplace of the "Society to Encourage Home Studies" in 1873. Many people consider this group to be the first properly organized program of its kind to provide instruction by mail. Other online alternatives to conventional schooling have developed enough since then to warrant serious consideration. The evolution of technology has undeniably benefited the area of distance education by making it easier and more convenient for students from all over the world to enroll in courses without leaving their homes. McKenzie (2019) [3] conducted a phenomenological study of TA/student dialogue in MOOCs. She identified and examined many distinct types of interactions as well as specific challenges associated with them during the course of her study. Analytical justifications for the use of innovative strategies in the administration of online education programs were provided by the findings of this kind of study. Students may learn self-discipline and time management skills via online education, which also gives them access to an endless supply of instructional materials. Students may readily evaluate their own learning rates if they have access to the appropriate resources and a stable internet connection.

Conventional Schooling
"Conventional education" refers to the kind of education in which pupils learn from a live teacher in front of a classroom full of other students who are paying close attention. Students in this educational style are expected to be physically present on campus at certain times to participate in classroom-based lectures and other activities. Those who prefer a more traditional classroom setting or who desire a more authentic college experience may benefit most from this style. If you ever feel like you need extra help or advice while at school, you may always go to a guidance counselor or a professor. Traditional teaching methods are used in the classroom in a way that allows for students to get praise for the efforts they make toward mastering each subject. Consistent enforcement of rules and regulations is essential for maintaining classroom order and preventing misconduct on the part of students. These guidelines were developed from established customs that had been followed by educational institutions with great success for many years.

A lot of studies have looked at the subject of whether or not pupils learn better in a regular classroom setting versus an online one. Some of them emphasized the advantages of a high-quality education that may be achieved via the usage of conventional classrooms (Arias *et al.*, 2018) [4]. Teachers are responsible for imparting knowledge and regulating student conduct inside the classroom. When I was in school, the teacher was the center of attention since they were the only one who could impart any knowledge to the students. It is predicated on the idea that the kind of communication between a teacher and a student that occurs at the front of the classroom is the most important type of communication between them.

Advantages of Online Education
- It is adaptable; with a gadget and an internet connection, it can be accessed from anywhere.
- Budget-friendly.

- Practical attendance.
- For future use, class recordings are available

Disadvantages of Online Education
- Online students confront the additional challenge of limiting their time in front of a screen. To get the most out of an online education, you'll need to devote a lot of time each week to staring at your computer. Long periods of time spent in front of screens are not only problematic for kids' eyesight but also detrimental to their overall health.
- Technical issues are another drawback. Having trouble connecting to the Internet often interrupts online sessions. Internet connectivity is especially problematic in large cities and large towns. The pupils' education is ruined as a result.
- Individuals may have a greater sense of isolation, less peer assistance may be available, and group projects may not be as productive as they may be if completed in person.

Advantages of Offline Education
- There is less disruption and more focused attention from students on the lesson at hand. Students in online classrooms may be less focused since they have more opportunities to multitask.
- Teachers are able to focus on each student individually, allowing for prompt problem solving.

Disadvantages of Offline Education
- It's possible that students won't be exposed to modern technological education. Students who live a long distance from university have more time management challenges.
- For those who couldn't make it to class or who need a refresher, there isn't always a tape or other resource accessible.

One person's benefit may be another's drawback. The ones we've mentioned above are some of the most frequent. Students in higher education and secondary education have a lower risk of health problems related to online learning. Younger children may benefit from an offline education since they can learn to adapt to and explore new settings from an early age. In contrast to their parents and older siblings, most young children do not like learning at home and thus benefit much from attending school.

Differences: Online vs. Offline Learning
The physical location of a classroom is the primary differentiator between online and offline education. Online education allows you to study whenever and wherever you choose, even at home. Attending a physical classroom and being prompt are also necessary for offline learning. The convenience of studying online whenever and whenever you choose is not without its drawbacks. Some pros and cons of studying remotely are listed below. Some of the key distinctions are detailed below.
- The best way to learn is in a face-to-face setting with other people, which is why offline learning is superior. You may work with your instructor on an individual basis to address your concerns and address your solutions to difficulties. Offline courses also tend to be more stable than their online counterparts. Offline

students cannot do homework or take exams without the direct supervision of their instructor. It also allows for more one-on-one time with the instructor, which is crucial to your academic development.

- While many educators value the efficiency gains from using digital tools, certain students may find it more practical to use a pen and paper. There are benefits to both online and offline study and it's important to strike a balance between the two. Online tutoring may augment offline learning when students feel that studying online is too challenging, and teachers who use computers may be able to finish a project more rapidly.

- Finding a happy medium between online and traditional classroom learning is essential. Ed Tech is a lifeline in the classroom, but students still need to put in effort and interact with others to get the most out of their time spent studying online. A healthy online and offline study balance is essential to the success of any educational program. Students may learn more effectively and with less risk of damage if they strike a balance between online and offline education.

Conclusion

Because of the ease and versatility of online education, universities are responding to increased student demand by providing more courses in an online format. This is mostly being attributed to the convenience of online learning. The question that still has to be answered, however, is whether or not the delivery method of a course—whether it be in a conventional classroom or through the internet—has any effect on a student's level of achievement, pleasure, and overall knowledge. Several different a priori analyses have produced results that are at odds with one another. Learning has shifted from being conducted face-to-face, or offline, to being conducted online, or at a distance, as a result of the COVID-19 pandemic. Many students and teachers are increasingly making use of the materials that are available on the internet to educate the future generation. As a consequence of this, a lot of teachers and students have changed the methods that they use in the classroom; many of them contend that online education is superior to traditional face-to-face teaching in light of the COVID-19 pandemic. Access to education over the internet is very useful in these times of increased restrictions. All of the teaching practices are carried out in an efficient manner. However, the most significant challenge presented by the method of online education is the network. The level of technology education that a teacher possesses, the teaching style that they employ, the interaction that they have with their students, the strategies that they employ to capture their attention, the encouragement of student-with-teacher contacts, collaboration, rapid feedback, active learning, and the amount of time that is spent on tasks are all factors that contribute to the overall quality of the online educational process. There are several factors that contribute to the overall quality of the product.

Because of this consideration, a student's odds of successfully completing their online courses and making advancement in those courses are increased. The aims of teaching, individual preferences of students, and individual characteristics must all be thoroughly researched in order to ensure the safety of online education. In conclusion, conventional classrooms and online learning environments each have their own set of advantages and disadvantages. Blended education, which includes multi-teaching, is more effective than single teaching for the development of students' innovative ideas in the era of the Internet and against the background of the prevention of global pandemics. Blended education. To cultivate excellent talents with the high-quality innovative ability and comprehensive quality, as well as to improve students' subjective initiative, innovative spirit, and creative idea generation ability, educators are currently actively practicing and exploring how to maximize the benefits of the mixed-use of various teaching modes. This is being done in order to develop excellent talents with the high-quality innovative ability and comprehensive quality. Students may now choose to get their education either in a conventional classroom setting or online. When it comes to continuous professional development, both traditional classroom learning and online education have benefits and drawbacks to offer students.

We get to the conclusion that conventional classroom learning and online learning both have their own unique features of study due to the fact that both types of education have their own advantages and disadvantages. Before deciding which path to take, students need to consider the merits of all of their alternatives.

Educational Implication

If a new educational system takes into consideration the needs and concerns of students, as well as those of teachers, parents, school administrators, and the broader public, then it has a stronger chance of being accepted by a large number of schools and communities. Although the incorporation of technology into the instructional setting is absolutely necessary, doing so also poses a sizeable challenge. India's educational system lags behind that of other nations when judged according to how well educators in other countries integrate technology into both online and offline classroom settings. Individuals who, under normal circumstances, would not have the opportunity to pursue higher education may, however, find themselves in a position to do so if blended learning is implemented. According to the conclusions of the research, a blended learning environment has the potential to offer dependable educational opportunities for students who live in geographically remote locations, provided that it is developed appropriately. This study will assist teachers in better understanding how to organize lessons in such a way as to keep students interested in what they are learning and actively participating in class even when they are unable to see or hear their classmates or professors.

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