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Online learning is not only convenient but also effective rather than traditional instructions.

Outline:

1- Introduction:

Thesis statement: Online learning, being convenient and effective, remains at the forefront of education than that of traditional physical classes.

2- The significance and prevalence of virtual learning in the contemporary era of digital revolution

3- Key factors determining that online learning is not only convenient but also effective rather than physical classes:

3.1- Online education facilitates global access to quality education, making it easier for learners to get degree from renowned universities
C.I.P. Massive Open Online Courses from Harvard University

3.2. Online learning promotes inclusivity by providing better educational opportunities to both urban and rural learners.
C.I.P. Economic forum Report

3.3. Virtual learning continues to provide uninterrupted education during times of crisis.
C.I.P. Covid 19 pandemic

3.4. Virtual education facilitates learning and mastering of a topic by watching the lecture again and again.
C.I.P. Online learners retain 25-60% more data

3.5. Virtual classes reduce gender gap by providing quality education at homes.
C.I.P. - Global Gender Report by WEF

3.6. Online learning creates comfortable environment for introvert students - encouraging them to ask questions or participate.

C.I.P - Research in 2023 exhibits that online classes enhance participation

3.7. Online classes save time and resources, allowing students to access education without additional costs associated with physical classes.

4. Challenges related to online classes

4.1. Digital divide pose challenge to online education

C.I.P computer access in Switzerland is 95%, while 25% in Indonesia

4.2. Internet issue in some area is hurdle in the path of online learning.

C.I.P. Internet speed in underdeveloped area

4.3. Distraction at home remains a challenge from benefitting online classes

5. Solutions to overcome challenges

5.1- Ensuring the availability of digital device is a way to reap the fruit of education
C.I.P- Govt laptop scheme in Pakistan

5.2. Community learning centres with good internet is a way to overcome challenge

6. ~~Solution~~

7. Conclusion

The availability and prevalence of internet have opened avenues for education. The knowledge once confined to traditional classrooms has now transcended physical boundaries and is available worldwide. Online. This is all due to online education which makes it easy for people to access quality education. Online learning is not only convenient, but also an effective rather than that of traditional hierarchy. It facilitates global access to education, making it

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easier for learners to acquire degree from renowned universities. Moreover, online learning promotes inclusivity by providing equal opportunities for education to both urban and rural people. Similarly, virtual education not only provides uninterrupted education during times of crisis, but it also facilitates learners to master a topic by watching lecture again and again. In the same way, online education blurs traditional physical classes and provides an equal opportunity to females to get education at their homes. Traditional classrooms require face-to-face interaction, making it difficult for introvert students to participate in class, while online classes create comfortable environment and make it easier for students to participate by asking questions through chat box. Besides, virtual learning saves times of students from going to institutions and proves to be cost effective than that of physical learning. Being Despite being convenient and effective, online education faces some challenges. Digital divide, internet issues and distraction at home are the primary obstacles

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in the path of online education. However, these challenges can be overcome by adopting some ameliorative measures. Government provides ^{adopting some measures} digital devices and builds community learning centres to reap the benefits of online learning. Thus, online education is not only convenient but also effective for learners to access education than that of physical classes.

Before proceeding, it is imperative to explain the beginning and significance of online system. Online learning is not a new and unique concept. Its root is traced back to 1858 when the University of London introduced distance learning education, allowing students to sit in examinations without attending physical classes. With technological advancements, distance learning education evolved into online learning and many universities recognized the potential of online system. Gradually, many renowned universities adopted this system as it is flexible and provides opportunities for education to distant learners. Online learning transcends geographical boundaries and now is more common in

fast-paced and modern era of digital revolution. The rapid global shift to online education highlights its potential as a sustainable and scalable mode of learning.

Besides, there are many key factors determining that online learning is not only convenient but also effective than that of physical education.

First, online learning enables global access to quality education which is often harder to achieve through physical classes. Many global universities offer online courses which allow students to enroll in their desired course. This online education system not only helps students to acquire their degree but also facilitates them to interact with and gain knowledge from world renowned professors.

For instance, Massive Open Online Courses (MOOCs) by Harvard university enable students to enhance their skills and knowledge by interacting with their professors. Thus, online learning system fosters global access to quality education, making it easier for learners to get degree as compared to traditional physical classes.

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Secondly, online education system provides equal educational opportunities to both urban and rural learners which is quite harder in traditional hierarchy. Students from underdeveloped areas face difficulties to reach to educational institutes which may lead them to abandon their educational pursuits. Similarly, working professionals find it challenging to pursue their studies due to job commitment. Online platforms provide them opportunities to pursue their education by enrolling in online courses. According to Economic Forum Report, online learning system has increased the learners by 30 percent worldwide. Thus, online learning enables both urban and rural areas to access to education from reputed universities.

Contrary to physical classrooms, online classes continue to provide education during times of crisis. Many educational institutions are closed to protect the learners from any mishaps. This closure of institutions leads a loss of valuable time and disrupts education. On the other hand, online learning while

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safeguarding the students from any mishaps continues its service and helps the students pursue their education without any interruption. For example, during covid-19, when all educational institutions were shut down, the world shifted to online learning as it provides uninterrupted education. Thus, online classes are convenient and effective by providing uninterrupted education to learners.

Similarly, virtual education is not only convenient but also effective as it helps students in mastering a topic by watching videos repeatedly. In traditional physical classrooms, the students sitting in classrooms for hours listen and make notes of lectures while the average human absorption capacity is 20-25 minutes. However, in online classes most of the lectures are delivered on zoom, google classroom and other applications. The students in the class record online lectures and watch it again to understand the topic clearly. In this way, online learners learn and retain more data as compared to physical attendants. A study from research Institute of America

reported that e-learning increases retention rates to 25-60%, while traditional classroom instruction yields only 8-10%. Thus, virtual learning, being convenient and effective helps students in mastering a topic as compared to that of traditional instruction.

Moreover, online learning is also effective in promoting inclusivity and reducing gender-gap as compared to that of physical hierarchy. Many female learners abandon their education due to cultural norms, mobility concerns or restrictions or safety concerns. By removing geographical barriers, online platforms empower women and marginalized groups to pursue their education from the safety and comfort of their homes. According to Gender Gap Report by World Economic Forum 2022, women's enrollment in online Information and Technology courses rose from 9.2% to 16.1% in Saudi Arabia and from 23.8% to 24.8% in India. Thus, online learning system is not only convenient but also effective as it promotes inclusivity and

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reduces gender gap.

Moreover, virtual education is not only convenient but also effective than physical education as online classes create comfortable environment for learners and

enhance participation.

In traditional brick-and-mortar institutions, students experience face-to-face interaction. This interaction creates a sense of nervousness among introvert and shy students who feel reluctant and hesitant from asking questions, thus reducing students participation.

Contrarily, in online classes, students do not interact directly with classmates and teachers. The introvert students feel comfortable and ask questions to their teachers. Sometimes, shy students also ask questions through chat box, thus enhancing class participation.

A survey-based study in 2023 found that 42% of students agreed that online classes increased participation even for those shy to speak in face-to-face setting. Thus, online classes are effective and convenient rather than that of physical education as it creates comfortable environment and enhances class participation.

Additionally, online education also saves time and resources, making it more convenient and effective than that of physical education. In traditional hierarchy, learners make out time of their schedules for going to educational institutions. It takes more time to reach to educational institutions and more time is being wasted in gossip with friends. Moreover, the resources allocated with travelling and print hand outs are also additional cost associated with physical classes. However, in online learning learners do not need to go to attend classes physically which not only save time but also resources. According to Lessonspace Trends Report, 2025; Frontier in Education, report highlights that 45.1% educators reported that they save more than five hours per week and 23.1% saving over ten-hours weekly by online education. Thus, online education is convenient and effective as it saves time and resources associated with additional cost of physical classes. Despite being convenient and effective, online learning

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faces some challenges in the path of benefitting online learners.

First, digital divide poses serious challenge to online education.

Digital divide draws a boundary between people having access to online digital tools and those who do not have. The people lacking digital devices often lack behind in reaping the benefits of online education. Moreover, under-developed areas or states fail to provide digital devices to their students due to economic strains. For instance, 95 percent people in Switzerland have access to computer, while in Indonesia only 25 percent community possess computer. Thus, digital divide remains a serious threat in reaping the fruit of online learning system.

Similarly, internet issue is also a serious challenge to online education. Online learning requires good and high-speed internet. By having good internet speed, students are being able to take lectures without any interruption, making them to understand

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the whole lecture. However, this internet issue is more common in some areas, making it difficult for learners to attend online classes. This internet issue acts as an obstacle in the path of online system. For instance, in some areas of Peshawar, Pakistan people do not have access to internet which also acts as hurdle in online education. Thus, internet issue remains a challenge to education.

Additionally, poor infrastructure and distraction at homes pose a serious challenge to online learning system. Students lack opportunities of having online learning centre. They are then forced to learn at homes. While attending online classes, they have to experience many noise around them. This may divert their attention from class lecture towards noise. Thus, poor infrastructure and distraction at homes pose serious threat to online learning system.

To taste the sweetness of online education system, it is imperative

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to take ameliorative measures to cope with the challenges.

The government plans and devises strategies to provide digital tools to educators. The government ensures the availability of digital tools to learners through scholarship programme. Moreover, there is also need to distribute digital devices through different schemes and programmes. It is the need of hour to take such pragmatic measures and devise policies to benefit from online system. For instance, Punjab Laptop scheme in Pakistan by government is the best way to benefit bright students to pursue their education. Hence, better planning and policies at government's end is the best solution to cope with the challenge associated with online learning.

Similarly, constructing online learning system is the solution to keep away students from distractions. A professionally designed system provides structured schedules and active teacher engagement, which actively helps maintain students' focus and discipline. Moreover,

features such as live classes and ~~moderate discussions~~ create a sense of accountability and minimize the risk of ~~inattentiveness~~ common in unstructured home-based learning. Thus, online education system centre ensures that teachers and students remain engaged and productive, and keep the students away from home-based distraction.

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To conclude, online learning system originated in late 20th century is not only convenient but also effective rather than that of physical education. It facilitates global access to education, making it easier for learners to acquire degree from renowned university which is often harder to achieve in traditional hierarchy. Similarly, online education provides equal opportunities to both urban and rural learners which makes it effective than that of physical classes. Unlike bricks-and-mortar institutions, virtual education not only facilitates better absorption of knowledge by watching lectures repeatedly but also promotes inclusivity by providing opportunities to females at their homes. Moreover, Virtual classes create

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comfortable environment and enhances students participation. Additionally, virtual classes save time and resources, allowing students to access education without additional cost associated with physical learning. In addition to this, some challenges like digital divide, internet issues and distraction at home pose serious threat to smooth flow of online learning system. These challenges can be overcome by some ameliorative measures. Online education, with all its fruits and sweetness, blurs the traditional hierarchy and is at the forefront of physical education.

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