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The Present State and Potential of Educational Technology

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The Present State and Potential of Educational Technology

Several changes have occurred in the education sector since its invention. Initially, educationists used to operate manually, such as using chalk to give students insights and manually keep records. However, in educational technology, both the students and teachers have been relieved of several burdens. For instance, class attendance is not compulsory as lectures can be done via zoom. Consequently, digital record keeping of the students' performances and progress makes work easier for teachers. Hence, the current state of educational technology is linked to the emergence of the covid-19 pandemic where teachers and students are forced to rely on technology than ever before. In regards to this, educational technology plays a significant role in enhancing the learning process.

Intensity in the use of Technology on the onset of the pandemic

Most of the institutions globally have embraced technology in education to continue with the learning process. The increase in internet use is an example of evolution in the education system unlike the past reliance on the physical classroom. Most institutions no longer use physical classrooms for the learning process since the onset of the pandemic to adhere to the health directives of social distancing. Hence, the change of the learning environment is the current state of educational technology. Over 1.5 billion students affected by the closure of classrooms have adopted the internet to further their learning process (Valverde-Berrococo et al., 2020). However, this only favors students who can access mobile-based devices to enhance their learning outside the classroom.

Consequently, internet connection and power stability are major requirements with this current trend in educational technology. Further, learning outside the classroom is highly

embraced in most countries since students can learn at their own pace and time. Valverde-Berrocoso et al. (2020) noted that 84% of Americans and 66% of Latin Americans had access to the internet, enhancing learning outside the classroom. However, the least developed countries have the least access to the internet and power, hindering e-learning activities. The current pandemic has, in turn, fostered the betterment of internet access and power by the educational technology to continue with the learning activities irrespective of the closure of classrooms.

In the case of intensity in the use internet to continue with the education process, educational technology has offered the necessary tools to continue with the learning process. Learners need to be safe at home and at the same time continue with their usual schedule. In this case, educational technology opens new horizons for them that never existed. However, educational technology is determined to improve learners' skills as well as simplifying work for teachers. Students mostly research various education platforms to gain more insights after being lectured via zoom. Besides, eBooks are currently with varied features that promote good experience by learners. For instance, the availability of annotation tools, bookmarks, hyperlinks, dictionaries, and search features simply research activities by learners. In regards to this, institutions are highly encouraged to adopt learning outside classrooms due to its vast benefits. Also, students who tend to grasp less in the classroom can get more content from the internet than when learning is purely done in the classroom. Therefore, the intensity in the use of the internet is the present state and potential of educational technology.

Training of Teachers Based On the Current Technology

Teachers must be well-coached on internet usage with the current intensity of internet adoption in the learning process. Technology techniques in the learning process will continue for

several decades. Hence teachers must be well equipped to continue learning (Van Hong et al., 2018). This is particularly crucial for teachers in remote areas and least developed countries. Moreover, competency and confidence in technological techniques enable teachers to conduct their classes without fear. All record-keeping, such as students' performances, requires knowledge of data management and analytics (Van Hong et al., 2018). Educators and learners can now easily manage data with the advancement of technology in the education sector. The number of tests done by the students completed chapters and the performances can easily be managed by teachers (Ifenthaler & Yau, 2020). For instance, when an assignment is issued to the whole class, teachers can assess their accuracy and completion online, specifically in a created webpage. Subsequently, teachers can offer appropriate guidance to the learners and put more emphasis on course modules. This is enhanced by the automation of the classroom activities that teachers must be aware of.

Further, educators are currently creating an environment where teachers no longer follow students to know their progress and performances. Instead, a well-kept record gives them an easy time to determine the corrective measurement for the learners. Therefore, all these efficiencies in the learning process are achieved by training teachers on the current technology.

Educators Continue to Embrace Innovation

Embracing innovation is currently on the rise by educators. Most institutions strive to cope with the current technology to learn processes, unlike traditional learning methods simply. According to Woolliscroft (2020), the innovations are basically for response to the covid-19 pandemic that affected the usual learning in most institutions. The missions of the academic centers were all disrupted, hence an urge to come up with innovative techniques to continue with

learning. Woolliscroft (2020) noted that these innovations would become part of the usual learning system. For instance, availing revision materials online, e-learning due to its convenience, among others. Institutions that have found these to be effective will therefore continue using them. However, the main concern of educational technology in the current error is to produce the required high-quality learning outcomes using the system. Since learners require a solid theoretical foundation in their learning process, educational technology through various inventions avail that. The only challenge with this criterion is research about them that tends to be costly and consumes time that hinders learning.

Additionally, most institutions have become vigilant by transforming their learning process due to the fear of the unknown. In this case, combining traditional teaching and digital one to enhance the learning process is possible. For instance, the combination of both virtual and physical classrooms is digital and traditional criteria. This highly favors students who cannot access the internet and sources of power. Consequently, it also assists some institutions in reducing costs associated with the innovation technology. Generally, the current state in educational technology regarding innovations includes; virtual learning, online content and resources, and the use of social media in learning.

In conclusion, the present state and educational technology are the intensity of technological adoption to further learning. Also, teachers continue to be trained on technological advances and embrace the innovation purposely to adapt to the pandemic. Technology techniques in learning process will continue for several decades, hence teachers must be well equipped to continue with the learning process. To increase efficiency in the learning process, both the educators and learners must know the current technology. Further, the availability of annotation tools, bookmarks, hyperlinks, dictionaries, and search features simply research

activities by learners. Regarding this, institutions are highly encouraged to current educational technologies due to their vast benefits to learners and instructors.

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