



Reasons Why it (Information Technology) is Essential in Education

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ABSTRACT

It is known that the use of modern information technologies in education is one of the priority areas today. As technology advances, the role of the teacher becomes more important. However, this does not diminish the role of the teacher in education and does not exclude him. One of the key factors in the learning process is connecting these students' knowledge with more practice.

Keywords:

Method, Technology, Histogram, Plot, Function, Segment, Mesh, Surf, Full, Space, Vector.

The evolution of technology has brought about with it, several benefits the world over. Apart from enhancing efficiency, it has turned the world into a global village and made access to information quite easy. The education sector has also not been left behind in tapping into the deep resource-well of technology. The use of information technology in education has become more than just an option. For effective learning, the education sector stakeholders have found ways of integrating the use of information technology in the everyday learning processes.

Access to learning the material. The internet is full of a lot of learning material that the learner can access and use to supplement whatever is provided for in the classroom. There are e-books, revision guides and past examination papers that are available on the world wide web and students can take advantage of these to improve their knowledge base. Learning institutions provide computers and internet that the students can use to this end.

Continuous learning. In the modern world, you don't have to be in the classroom to learn. Using information technology in education has made it possible for students to keep on learning, irrespective of where they are. Teachers and professors can send assignments to students and they can complete and submit them even without physically stepping into the classrooms and so learning never has to stop. Students can keep on learning even when they are at home. This has greatly enhanced efficiency in the education sector.[1]

Sharing of knowledge. Through online discussion forums, students can share knowledge, engage in intellectual debates and generally learn from one another. Using information technology in education has basically made it possible for students from all over the world to come together and share experiences, the geographical distances notwithstanding. Information technology in education has also made students develop an appreciation for cultural diversity and in turn, create a more tolerant and unified world.



Picture 1.

Using audio and visual material as learning aids. The use of information technology in education has made it possible for tutors to teach students much more easily. By using audio and visual materials, students can develop a better understanding of the topics being taught. It is now much easier to perform demonstrations and put some practical aspect to the theory taught in class. Slow learners, therefore, have an opportunity to catch up with those who had grasped whatever was initially taught in class.[4]

Distance learning. To adapt to a changing population with unique demands, learning institutions have employed the use of information technology in education to cater to this new demographic. Online courses have enabled most of the employed and young population to go back to class and get second degrees or additional certifications. It is possible to attend a college overseas without even getting out of your home country and at your own convenience[2].



Picture 2.

Proper record keeping. It is possible to keep student records in a more systematic and secure manner using technology. Unlike in the past when records used to be kept manually and there were many cases of lost files, the incorporation of information technology in education has made it possible for safe and proper record keeping. Retrieving of

information has, therefore, become much easier.

Video Conferencing Tool. With **video conferencing technology**, teachers can easily conduct virtual classes and deliver high quality learning experience to students from anywhere at anytime. Apart from this, it improve the communication among parents, teachers &

other staff member as PTA meeting, conferences, training session and more can be easily conduct without the requisition of the physical presence of the attendees.[3]

The infusion of Information Technology in education has made the learning processes even more efficient, cost-effective, and qualitative. It has made it possible for us to access information from limitless repositories, libraries, and databases from anywhere around the world. No words can actually quantify the immense beauty that Information Technology has added to education. Not only has Information Technology changed our approach to the learning process, but it has also enhanced the education environment through increased efficiency in information delivery. Here are some of the ways through which modern technology has influenced education and the learning process:

- Improved access to diverse educational resources;
- Enhanced full-time learning;
- Improved learning methods;
- Introduction of group learning.

Improved Access to Diverse Educational Resources

Advancement in the development of information storage and processing technology gave birth to databases, websites, virtual libraries, e-books, and repositories, among other electronic sources of information. Academicians and scientists took advantage of these technologies to create information sources for any kind of information that one may need to know. These information storage technologies are specially designed to deliver search queries on update information about a particular subject at the click of a button. As a result, learners can access any time type of information they may need at any time, and anywhere as long they have a device that can access the internet service. Moreover, educational databases and libraries allow for borrowing and exchange of learning materials at affordable costs, thus exposing learners to a diverse pool of educational resources. Information Technology has also improved the

learning process, thus making it possible for learners to engage their tutors through online forums and electronic mail. This has significantly enriched education and the learning process.[6]

Enhanced Full-time Learning. Information Technology is a timeless resource that is available for learners at all levels of education, irrespective of their location. This has significantly reduced the likelihood of incidences such as school dropouts, since learners can access information from the comfort of their smartphones and PCs at their convenience. This is primarily attributed to learning technologies such as distance learning. Access to education remotely has made it possible for students to gain quality education from overseas countries, thus equipping them with educational skills that are globally competitive. Broadband internet technology has made it possible for students in developing countries to study from prestigious universities in developed countries.[5]

Introduction of Group Learning. Information technology has made it possible for teachers to implement group lesson delivery methods effectively. Previously, students were placed in environmental groups where every member was required to contribute to the discussions. This greatly impeded the process of learning for shy students who lack proper public expression skills. However, the inception of Information Technology into the classroom experience has allowed the creation of educational forums through which students can engage in productive online discussions where they can freely express themselves from the comfort of their residences or even when travelling. Moreover, online forums have made it possible for students in distant countries to attend the same classroom, share similar course materials, and earn similar degrees.[6]

Key Takeaways. Information Technology offer countless benefits for education industry. If implemented correctly it enhances the learning experience of students, improve communication among teacher, students &

parents as well as improve the productivity of admin and other staff members. Similar to the above mentioned technology, Fedena is also a school management technology which help in automating the day to day of institution and let your institute run effectively. From managing PTA Meetings to Online Fees Payments to Conducting Online Classroom, every aspect can be manage hassle-free. It also offer mobile app & integration with your favorite device, so that your can handle evry process smoothly and efficiently.

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