

A Research Paper on Modern Technology

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Abstract: God's gift is science. It may be the best of God's blessings after the gift of life. He has been the mother of civilizations, of science and of arts. Technology definitely changed our way of living. It has influenced different aspects of life and redefined culture. In all spheres of life, technology definitely plays an important role. Thanks to technology, several repetitive activities can be automated. Many complicated, essential procedures with the aid of modern technology can also be carried out easily and efficiently. Due to technical innovation, livelihoods have shifted and strengthened. The world of schooling has been revolutionized by technology. In colleges, we cannot ignore the importance of technology. Yes, it became simpler for instructors to collaborate and students to acquire knowledge with the advent of computers in school. The use of technology has made the teaching and learning cycle much more fun.

Keywords: Education, Modern technology, Science, Teaching, Digital operation, Online, Learning.

INTRODUCTION

The 21st century period is often called a technical phase. In today's life, technology plays a major part. It is considered to be the basis of economic growth. In the present scenario, an economy that is poor in technology can never grow. This is because technology simplifies and gives our work a lot less time. In every possible field, the impact of technology can be felt in education. Modern technology in education [1]. According to the new research into the precise use of technology by contemporary students today and how their learning has a negative impact when using technology, the use of modern equipment and software, learning and contact between students has become increasingly evident [2].

They find it much more interactive and with technology help, as well as a lot of interesting fields. What this means is, that our minds now tend to work faster when assisted with the use of modern technology, be it any part of life, here we talk about education. The reliance and dependence of such an innovation, that simply makes life an easy, smooth journey is completely unavoidable these days even in schools, universities and colleges. Students today can make use of technology in the following ways [3].

INTERNET CONNECTION AND ROUND THE CLOCK CONNECTIVITY

What this implies is that we think about information in every part of our lives; as our minds get helped by advanced technology, we tend to work easier. It is absolutely unavoidable that such an invention is dependency and dependence that makes life simple and smooth today even in classrooms, universities and colleges [4]. The following technology is used by today's students.

Using projectors and visuals

Visual images always have a strong appeal compared to words. Using projectors and visuals to aid in learning is another form of great technological use. Top institutions around the world, now rely on the use of amazing PowerPoint presentations and projections in order to keep the learning interactive and interesting. Technological use such as projectors within the schools and colleges can take the interaction and interest levels right up and also improve motivation. Students like seeing appealing visuals, rather than just reading words, and they like to think. In technology, the learning part is also quite efficient [6].



Fig 1. Latest technology

They will find incredible conveniences with different types of help, videos and other guidance materials that could be used to develop and enhance their learning academically [5].

Digital footprint in the education sector

The digital media penetration in the education sector has now increased when it comes to digital and education. Such exposure has culminated in interactions with students throughout the clock and numerous channels accessible for various types of assignments or assistance. When digital technology increases, more apps are accessible that help students grow and learn [7].

Online degrees with the use of technology

Digital ratings are now a very common phenomenon. People want to take online courses and certifications. Top institutions deliver excellent online programs leveraging different applications and the internet [8]. The idea will continue to grow as more awareness and knowledge are acquired. For students working and searching for accessible classes, the online degree scenario around the world is more popular.



Fig 3. Online education

Importance of technology in education

In education, the role of technology is fourfold: it is included as part of the curriculum, as a delivery system for instructional purposes and also as an instrument to improve the entire process of learning. Via technology, curriculum has been passive, reactive and violent. In corporate and academic environments, education is essential. In the previous, preparation is used to assist staff to do things differently from before. In the latter, research is aimed at creating students' interest. In any situation, utilizing technologies will enhance the interpretation and learning of concepts.

Factors affecting technology in education

Jung talks about the huge challenges that teachers face in our society as knowledge is rapidly expanding. Modern technologies allow teachers to know how these technology are to be used in their schooling. It raises teacher training demands with these new technologies. Gressard and Loyd (1985) confirmed that instructor machine behaviors are key to the success of ICT implementation in school. They found out that teachers do not always have positive views about technology and their negative attitudes will contribute to computer based tasks becoming ineffective.

Impact of ICT on education

In educational context, ICT has the potential to increase access to education and improve its relevance and quality. Tinio (2002) asserted that ICT has a tremendous impact on education in terms of acquisition and absorption of knowledge to both teachers and students through the promotion.

CONCLUSION

Technology can have a positive effect on schooling and can have negative effects at the same time. Teachers and students should use this in good light to eliminate the drawbacks that many pupils and schools face in pursuing excellence. Therefore, it is time for any nation to develop an educational system of greater technological capacity in the future.

REFERENCES

- [1] Beringer, V. (2009, October 20) For kids, pen's mightier than keyboard. futurity.org. Retrieved February 25th 2013 from <http://www.futurity.org/society-culture/forkids-pens-mightier-than-keyboard/#more-4909>.
- [2] Bounds, G. (2010, October 5) How handwriting trains the brain – forming letters is key to learning, memory, idea.wsj.com. Retrieved February 25th 2013 from <http://online.wsj.com/article/SB1000142405274870461504575531932754922518.html>
- [3] Bransford, J., Brown, A., & Cocking, R. (2000). How people learn: Brain, mind, experience, and school. Washington, DC: National Academic Press.
- [4] Brill, J. M., & Galloway, C. (2007). Perils and promises: University instructors' integration of technology in classroom-based practices. *British Journal of Educational Technology*. 38(1), 95-105.
- [5] Leising, J. (2013 January 30) The new script for teaching handwriting is no script at all. wsj.com Retrieved February 25th 2013 from <http://online.wsj.com/article/SB10001424127887323644904578272151551627948.html?KEYWORDS=handwriting>
- [6] Roschelle, J., Pea, R., Hoadley, C., Gordin, D., & Means, B. (2000). *Future of children*, 10(2), 76-101.
- [7] Shah (2011, July 16) Why does writing make us smart? huffingpost.com. Retrieved February 25th 2013 from http://www.huffingtonpost.com/2011/07/16/whydoes-writing-make-us-_n_900638.html.
- [8] Wenglinski, H. (1998). Does it compute? The relationship between educational technology and student achievement in mathematics. Princeton, NJ: ETS.