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Digitalization of education- A great change in teaching learning trends

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Abstract

The systems of teaching in higher education have significantly changed due to digitalization. Digital teaching involve playstations, ipads, youtube, facebook etc. Widespread budget introduce six type of trends in digitalization of education- Flipped learning, remote learning, gamification, BYOD, big-data, wireless infrastructure. Digitalization of school and colleges have positive impact on higher education of students. Highly concentration in collages or schools and understanding of what is being taught in class has increased along with their learning skills.

Keywords: Digitization, Higher Education

Introduction

Digitalization learning is any type of learning that accompanied by technology or by instructional practice that makes effective use of technology. It encompasses the application of a wide spectrum of practices including: blended and virtual learning.

Digitalization of Education

Digitalization as well as Information technology has reformed each sector it has grasped and it is currently in the promising phases of altering academia. In the coming decades if digitalization has its approach, education will be far changed, more immersive and hopefully more constructive to the people than it is today. Digitalization in education industry has totally changed the learning and also the teaching process to a very great extent.

Digitalization technology has made imparting education stress-free for both students and educators. Schools are gradually implementing digital teaching solutions to involve with a generation of learners familiar with the likes of PlayStations and iPads and trying to make the classroom atmosphere more broad and participatory. Information and communication technology in education has facilitated student understanding, students are perhaps the most ready and exposed to external education but they are in the best situation to absorb what comes up in the classroom. Currently students live in a world that is constantly linked and alive outside the class room, so traditional methods won't work now. The true revolution in education can only be achieved via digitalization of education so that students can learn at their own speed both within and outside the classroom. Their learning upgrades while they carry on to advantage from fostering, mentorship and direction of their teachers.

Various teachers are ready to accept the wave of digitalization but more effort still need to be exercised when it comes to teacher training. Outmoded teaching methods need to meet with 21st century teaching and learning trends. By getting digitalize, the material has the power to involve students in methods that aren't possible with stationary pages. Educators who have expressed that difficulty in engaging students is one of the major tests of their jobs, have described the feeling of joy when they see, something click in a student's eyes.

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Applying communicating content through fluid illustrations and text addresses challenges that traditional manuals could never overcome. Apple, Amazon, HP, Microsoft and many, all are contributing at great extent in the digitization of education by their tablets, ipads, notebooks etc. Education is an immense and fast rising division, which is leading the growth of notebooks.

There is improved notebook need for students and educational institutions. Digital programme platforms in schools, colleges and universities are some of the new trends. Educomp Solutions' Take Smartclass is one of the first Indian companies in this space. Smartclass is basically a digital content library of mapped curriculum, multimedia and 3D content. It also facilitates lecturers to speedily judge how much of a certain lesson students have been able to adapt during the class.

Digitalization is prompting higher education also as never before. Nothing is unavoidable and we have the supremacy to form the way we use technologies. The digital revolution is edging its way into the classroom. It is now possible to have archive in every classroom or even in the pocket. As Google Chief Eric Schmidt has said, 'the internet isn't making inevitable change faster; it has become the engine of change'.

As online education has been adapted by many universities, it has made approachable and shorten the distance between a student and his/her dreams. Online education is a type of distance learning. There is no need to attend the college or university in person. Coursera is an educational technology company which works with universities to make some of their courses available online. E-learning or computer-based training includes all forms of electronically supported learning and teaching. It also includes educational technology. As considering some of its demerits, classrooms nowadays have become movie halls with audiovisual content, with no communication between students and teachers. The relationship between the student and professor will possibly be blurred.

This grouping of traditional training instructions united with digitized learning is one of the ways we can make our future generations to become global contributors who can interconnect across culture, time and geographies.

Teaching Learning Trends

Widespread budget cuts in educational institutions – forcing schools to do more with less in this digitally led economy – has a massive impact on the future of your role. Let's decipher the major technologically-driven trends that can change the landscape of your classroom for the years to come.

1. Flipped Learning-has been gathering some steam lately, as students now have the potential to learn and study lessons online and remotely and can then only come into the classroom to do their homework. Students will no longer have to learn first hand directly from the teacher, as various mobile apps and Wifi enabled classroom technology can create an interactive environment where students work in small groups to learn from each other. Teachers then come in to measure student involvement and responses through apps generating analytics and moderating discussions.

2. Remote learning- The right mobile technology, the pervasion of the Cloud, and reliable Wifi network can provide higher quality learning, as students can attend classes through video conferencing and online content promoted through social media, class forums and school portals. This enables remote learning, enabling education to become tailored to particular student needs.

3. Gamification- Applying game-design thinking to classroom tasks, also known as gamification, can enable more fun and engagement. Providing challenges, whilst rewarding winners and in turn giving harder challenges to overcome can lead to a greater emotional connection to the learning material. This will also enable a 'fail fast' approach that encourages improvements and embraces failure as part of the natural learning process – which is commonplace in ever increasing entrepreneurial workplace cultures.

4. BYOD- The one time sunk cost of providing tablets or if your school follows the BYOD (Bring Your Own Device) principle will change the way students relate to expensive textbooks. Digital textbooks are all the rage as they are more cost-efficient, easily updatable and accessible.

5. Big-Data- Big-Data has everyone talking and it's easy to know why: with all the mobile devices, applications and wireless technologies we use day in and out, a massive influx of data can be harnessed and used to change how we teach and what we learn. You'll have the ability to know with precision what works for your students in terms of lesson plans, homework and where they fall on the success spectrum of attainment.

6. Wireless Infrastructure- With the right strategy and wireless infrastructure, social media is a powerful leverage, transforming the learning experience and relations between students and you. Facebook groups can bring students together for collaborative projects and assignments and Twitter can give way to interactive conversations on a specific subject relating to a hashtag. This can provide a way to also cement the digital citizenship code into your student's way of handling technology. With all this being said, what does this mean for you as a teacher? Tim Bush, Microsoft's UK Education Marketing Manager, believes that teachers will act more as guides or curators of educational learning materials by enabling students to become more emotionally connected and physically engaged with what they are learning.

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