Smart Boards: A Revolution In Higher Education

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Abstract

Current technology is undergoing major and revolutionary changes that include all social, economic, political and cultural lifestyles. Education is not adversely affected by technological interventions and has undergone many appropriate educational changes in the modern world. In a technologically advanced world, teachers must also integrate with new skills and education and follow directions that promote student learning, the primary goal of education. Teachers at all levels of instruction should be able to integrate new technologies and learn from the latest trends that can affect students' cognitive domains. Smart lessons bring complete transformations in the classroom. It is a technology-oriented attempt for schools. Teachers provide rich media presentations for learning a class, as well as tools and content for students to learn interactively. The science teacher explains how DNA replication can represent 3D animation of the DNA replication process on the big screen. We continue to learn from childhood. We learn to walk, talk and write. We have always observed that we can remember things better than what we read or hear. That is why Smart Class is more effective than Chalk and Talk. We can show DNA replication films, an animation about the mechanism of DNA replication by Powerpoint announcement. Students have more fun in smart lessons than classes that use blackboards. This paper is based on the meaning and scope of sound education in higher education.

Keywords: education, smart classroom, teacher, student, technology.

Introduction

In the past decades, when technology has become widespread, everything has changed in our lives. However, the classroom was not influenced by technology. The classroom in which my grandparents and parents were sitting was the kind of classroom in which our children study. With chalk and blackboards, overcrowded classrooms, textbooks, training courses and limited resources, teachers can easily use abstractions.

Smart solutions can transform university classes into a technology-supported learning environment that supports innovation, performance and success. The instructor can help the students work together via the smart product. Based on critical thinking and skills, you can build a successful career in your future classrooms and workspaces. Instructors can add spontaneity and interaction to their lessons so that students can participate more effectively in learning. Smart products offer students and teachers the
tools they need to conduct state-of-the-art research in an interactive and collaborative environment.

Imagine that you have a science teacher who explains how to clone DNA, a history teaching teacher about the Harpa civilization or a geography teacher who teaches mountain areas. The strengths of teachers often suffer from explaining concepts according to their possibilities. Pupils listen to the teacher, decipher the characters on the blackboard, read the textbooks, take notes and try to visualize how they occur and are remembered. At the end of the lesson, the teacher makes some random questions to assess how the lesson progressed. There are always a few hands (usually the most intelligent group of students in the class), groups and answers, and the class ends.

Smart lessons bring complete transformations in the classroom. The science teacher can show the 3D animation of the DNA replication process in a classroom on a large screen, and explain how DNA can be cloned. He / she can describe the fine points of the process, zoom in to show relevant visual data and note when and where to emphasize. In the same way, history shows a virtual walk of the Harappa civilization in the classroom. While geography teachers demonstrate how virtual blockbusters are formed, you'll find step-by-step related parts as part of your teacher's lesson plan ... all with engaging animations, colors, music, sound and voice. The teacher gets all the attention and attention from the class. Each child receives visual information about how these occur and the concepts are well understood and internalized.

**How does a smart class influence your child?**

- Improve the efficiency and productivity of teachers in the classroom.
- Present an abstract and challenging curriculum concept to your classroom.
- Provide a fun learning experience for students.
- Improve the performance of students.
- Enables immediate assessment of the formation of learning outcomes in the classroom.
- Teachers can also assess and evaluate student learning directly in the classroom.

At the end of each lesson, each teacher displays a series of questions on a large screen. All children are prepared to answer questions using personal response devices. Students immediately click on the answer. Teachers can get score sheets for all children in the classroom. He / she completes the lesson of re-teaching the lesson he did not understand well during the lesson.

This allows you to understand the lesson concept faster and more accurately and improve your overall academic performance. Teachers can help students participate in the learning process and assess the learning outcomes immediately and accurately at the end of the lesson.

**How does the ICT tool help Smart Class?**

The relatively recent shift from the term information technology (IT) to information and communication technology (ICT) reflects the accelerated patterns modern
technology has had on education. ICT defines all technologies related to communication, such as computers and UNESCO. "Informatics is defined as the science of dealing with the design, implementation, evaluation, use and maintenance of information processing systems such as hardware, software, organization and human aspects, industry and commerce, including their political and political implications". That is to say, the ICT can be software, CD Rom, communication equipment such as internal radio, television and radio, devices for capturing images including still and video cameras, observation, data logging applications, electronic content, electronic books, It is a comprehensive term. Multimedia presentation.

That is why ICT is a computer and communication facility and function that support education, learning and various educational activities. By using advanced technologies such as computers that provide more access to information and communication in synchronous and asynchronous environments, they have the essence to effectively transform information without reducing the digital divide between information authorities everywhere.

Multimedia means virtually everything from a computer with a loudspeaker to a complex program that can control a laser disc or DVD player, multiple screens and high-quality sound. Especially with multimedia with a video projector, the computer can become a flexible blackboard and even influence the classroom. Many researchers have proven that ICT integration is a powerful tool that can be effective in achieving the different goals of education. The use of ICT has the potential to make a radical change. This only applies to a few enthusiastic institutions and individuals.

The role of the government in Wise Class Progression:

It is also possible to mention that last August the last government opened an open repository for school education, called NROER (National Repository of Open Educational Resources). This repository contains concept maps, videos, audio clips, storybooks, multimedia, learning objects, photos, diagrams, charts, articles, wiki pages and textbooks in multiple languages in all languages. Students can search for and explore the concepts of different subjects in primary and secondary education. They can also comment on it and contribute to the store. A good example of educational expansion by virtual classrooms can be found at Brihanmumbai Municipal Corporation (BMC). BMC (audiovisual facilities) were installed last year at 400 public schools in the city at a price of 27 curos. The purpose of this initiative, the brainchild of Uddhav Thackeray, was to teach the students pleasure, namely to confirm the unattractive attitude. India needs to bring virtual classrooms to every educational area to bring India to the next level in terms of learning, knowledge and technology.

As a result, India has become a promising market for the introduction of new technologies in the classroom. A recent trend is that schools in cities in the second and third tier are increasingly using the latest technologies. In addition, the state encourages the adoption of technology in schools.

Some of the advantages of smartboards used in the classroom are:
• **Call to audiovisual**
  Use smart boards in the classroom to address both the audio and visual sense of the students. Learning in this way is very effective because information is rooted in the minds of children.

• **No waste**
  In a traditional classroom, a lot of time is wasted on drawing a black and white board, while on a smartboard the diagram is deeply embedded in the memory. Time is better used in active learning.

• **Virtual tour**
  Students will actually make excursions. When a teacher uses a smart board to teach desert animals, we will explore the deserts such as the Sahara and Kalahari so that they will know.
  Smartboard training is not "just for viewing". We can use special markers to underline or highlight important locations during teaching. We can use it to clarify the concept.

• **Built-in library**
  The SmartBoard has a built-in library with which teachers can immediately see when there is a requirement. He / she do not have to scan the actual library for this.

• **Active learning**
  Smart signs lead to an active learning process in which both teachers and students participate. This greatly strengthens student information. Smart boards have many advantages and every learning area must be easy to learn. Only strong motivation is the basis of the learning process and can be carried out in any situation. As a result, smart boards are a learning process that requires active involvement of teachers and students. This increases the interaction between teachers and students during the lesson, and students do not hesitate if they have doubts. Much of this is done in the presentation, reducing the instructor's efforts. It is very difficult for the tutorial to continue in a day without interruption. That is why this multimedia course is very useful for both teachers and students.

**Conclusion:**

Some teachers may think that collaboration is better than independent research, because more interaction is needed and problems and project solving through discovery and research can improve classroom practice and enable more practical learning. Technology is often purchased with these beliefs. The growing digital shortfall between internet use and indirectly gained well-being of its technology is one of the major problems in developing countries. It is no surprise that countless attempts have been made to quantify more statements than elsewhere in the Third World. The core of this disagreement is the rarity of the Internet in rural areas of the Indian population. Over the past few years, India has seen an increase in the number of companies offering technological solutions for schools and universities. These companies were nowhere to be found until the nineties, but as soon as the market opened up to foreigners and the internet spread in India, many players jumped into the
field and earned pre-emptive profits. The growth in this sector is largely determined by the IT revolution in India and the boom in the Indian economy.

Smart Class quickly changes the way teachers teach and how students learn at school with innovative and meaningful technology use. Based on the world's largest digital content repository assigned to an Indian school curriculum, Smart Class introduces technology next to the classroom teacher's chalkboard.

References: