



SMART CLASS IN TEACHING LEARNING PROCESS

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ABSTRACT

In the modern era of education, the latest technology used in teaching and learning process is smart class. Smart class is a new, versatile and highly effective. It is a new and highly effective in education. In this process of teaching happens through various digital instructional tools, animated videos, modules online videos and latest software has made the students thrilled to enhance their performance. This paper highlights on the much growing digitalized class and software used in smart class. The use of this modern technology has its pros and cons but then also it is welcomed by the pupils in a vast manner.

KEYWORDS : Smart class, software, teaching learning process.

INTRODUCTION:

"Intelligence is the ability to adapt to change"

Stephen Hawking

The invasion of technology in our private lives since the 1990s has been remarkable. Technology has significantly changed not only India but also in the whole world. The learning process is not just like to rote up for some time. It's rather the knowledge which is built-up by thoroughly involved in it and remains forever. This can be emphasized by learning the concepts with the help of animated videos, games and software. In present time, even children as young as 3-4 years have been accustomed to using tools such as iPad and smart phones. That is just how deeply technology has been embedded in the young minds.

When students use the technological devices for educational purposes, they are in a far more active role in seeking knowledge as opposed to learning from a book or a teacher. The radical technological globalization through the internet has massively helped students in education. The world has been reduced in size with the help of internet connection which was unavailable to the populace a mere thirty years ago.

Education is being modernized in a very effective and strategic manner. Smart class is the advanced type of education that is making education accessible to everyone. It has grown to become a hugely beneficial mode of education. Smart class has made the teaching process more effective and versatile. It has updated the students from one dimensional thinker to all around thinkers. Smart class learning approaches learners of all ages and walks of life with a framework of smart thinking tools which inspires higher levels of understanding. The learning tools include Interactive white boards, Smart projection system, High Definition documentation cameras, and Learning Management systems.

Following tools that are changing the space in Educational Technology

1. Interactive whiteboards

It is commonly known as smart board. Interactive whiteboards are becoming essential in a classroom. It is well known for the student the visuals are so attractive and grabbing so that they can easily understand and do not get bored. Due to audio visual senses students recognize and learn things for a longer duration. By virtue of the audio-visual senses of students are effectively used to store the information for a long duration. Presentations are heartier and given more depth, in the same way when a picture or document is displayed on the white board, teacher can annotates or add some extra by using

stylus that provides a surplus of additional information to the lesson.

2. Smart Projection Systems

It is a common type of video projector that is less expensive and has taken the globe of education by a blizzard. It can turn any plane surface completely interactive. By Draw, touch, annotate, and experienced the joy of flawless writing on a completely interactive surface using the normal touch of fingers or an ergonomic stylus.

3. High definition document camera

A resources – forthcoming but new device that can help highly enthusiastic students, it allow teachers to display any program or a live dissection on the big screen. This makes the collaborative and interactive learning, by group discussions, quizzes and documents can be displayed in the classroom. This also helps in making the classroom eco friendly. It helps students to become more aware of the environment by using technology that minimized the use of paper.

4. Soft ware (Learning Management System)

The most important aspect of using the technology in classroom is to improve the outcome of the students. Software used in Education system provides numerous facilities to the school management and also the parents. It is designed in such a way that it help in delivery and reporting of educational courses, training programs conducting, developing learning programs, maintaining classroom attendance and assessments. Education software also provide the capability and access to parents for a bird's view of the advancement of their children in the classroom.

Importance of Software and its uses in Educational process:

The process of teaching has been evolved like since never before. Similar goes for classrooms and education. Now a day, with the initiation of software in smart class it has made the knowledge and education behind the four walls of class room. It is more linked to the whole world with smart software and internet. It is more connected to the entire world now, thanks to smart software and internet.

1. Smart class software helps in enhanced perceptives of concepts

The conventional blackboard and books have been effectively replaced by Interactive white boards, learning slides, computers and other so many gadgets to promote healthy learning practice.

The projector does the needful in reducing time and efforts for teaching learning process. A learner can even interrelate with the same and thus learn in an inventive way.

2. Make use of smart school software to move toward with worldwide classrooms

Virtual classrooms and smart soft ware's are interesting with one to one communication to help learners learn broadly. It makes the learner to be in a global class in an interactive mode of learning with latest updates in every field of education.

3. Help to boost student engagement

Smart school software, are actually creating a universal virtual classroom. Moreover, it gives a better indulgent of concepts and helps learner to learn enthusiastically.

Software is interactive, smart and up-to-date, rather than this, learner can study in groups online, to clear doubts and discuss them.

4. Smart class software conducts online tests to measure student knowledge

For every learning process assessment is most to know where learner stands in the long run. For all the hard effort learners put in the learning process, smart class software comes with the provision of online tests. On line tests help for both the teacher and learner. By using less time many students can give online test. Thus, learners can check their knowledge and take progressive steps in the exact direction. This inspires students to execute better each time, on international platform.

5. Extremely Interactive Virtual Classroom increases scholar communication

Without wasting much point in time and expenditure on travel, learner can learn the lessons and cooperate with students learning related subject. This will make the learning process easier and online group discussions will help them clear their doubts.

6.Reduces constraints of time and position

The Comprehension and Instruction process are very quick through smart class. The learners' performance in incorporation of information with the knowledge, skills and attitude will be very fast. With the smart classroom ruling the generation, students have more flexibility in terms of time and place. Learner can learn within their soothe zones and make the best use of time presented. The smart class software is giving enormous information to the learners and the required knowledge is available as a combination of images, video, audio, animation, graphics, and texts.

7.Fascinating content leads to interesting learning

With Smart classrooms, teachers can make the whole learning process interesting by making sure that the content is always updated and of best quality. This will surely foster healthy learning habits. Moreover, digital education is full of the latest knowledge and facts to which students can easily relate.

Common Software

Quite a few proprietary software, freeware, open source software, public domain software and so on are useful and available for learning. Among available e-content tools and software packages; Microsoft Office, Libre Office, Software Package etc. can be used easily by the learners.

1.(OSS) Open Source Software:

This is very common computer software and its origin code is made accessible to open. It is permitted with an open source license. Copy right holder provides the rights to study adapt and share out the software free of cost to anyone for any reason. (OSS) Open Source Software is very frequently developed in a public shared manner and is more useful.

2.Freeware software:

Freeware software can be easily used by anyone without any

financial charges. However, its limitations are forced for its use, adjustment and restructuring. In this, as the basic code is not available, it can be passed on to any one free of charge. It is frequently used software.

3.Proprietary software:

This software is owned by any one or a company. It's basic code is usually kept secret and it will have main restrictions on its use. Its developers have restricted possessions rights and can't be extend or copied without complying with their licensing contracts. It also needs some charge for use.

4. Graphics, Audio, Video-Creating and Editing Tools

There are several audio, video and graphic creators and editors available online. Some are free and some are proprietary. They are very useful for understanding the content in a very efficient manner. They make the learning in interactive.

5. Public Domain software:

In this software the copy right holder donates it to the local. It is free of cost available to everyone and it can be used by anyone for any function and only with very negligible restrictions.

6.Wevideo

It is a video creator and editor which permits to edit and make video in an easy and spontaneous way. It allows to control the video sections easily in areas like the, slow and fast motion, transition adding up effects etc.

7. Magisto

It is a video editor that can make easy to make video in just a few steps. After uploading the video, we can select one of the premade editing styles, and the video will be prepared for sharing or download on the public media.

8. Inkscape

This is free, open source vector editing and drawing tool. It is a helpful tool in doing line art. Inkscape can be used in all main computer operating systems like Mac, Linux, and Windows.

Summary

In this paper the researcher discussed about different aspects of Smart class.. This is because of lack of awareness among the users on smart class. It is therefore very essential to first make people understand about smart class, different types of software and its support consciousness on it. If this is done then learners will repeatedly start using smart class at its top. Learners today are expected to meet the growing standards of our global society and for this they need to develop universal skills. Digitization of learning resources is helping everyone in this regard to a great level. And one such important step put forward is the smart class movement. If the prospective of Educational resources is utilized in the most excellent probable ways then we will positively be able to deal with the global standards of education and thus get a main reconstruction in the educational system of our country.

REFERENCES:

1. Corporate Diary (2007). Smart Teaching and Learning inside the Classroom.
2. Dun and Bradstreet Information Service India Pvt. Ltd. (2010). "Study of Effectiveness of Educomp Smart Class Program".
3. E-Learning in the Asia Pacific. (2001). Cindy Sim.
4. Jena, P.C.(2013) Effect of Smart Classroom Learning Environment on Academic Achievement of Rural High and Low Achievers in Science. International Letters of Social and Humanistic Sciences, Vol. 3 (2013), P1-9, Retrieved Feb. 14, 2014.
5. Jain, R. Modernized Methods of Teaching.
6. Writing, A. (2009). Advantages of Smart Classroom.