ADVANTAGES AND DISADVANTAGES OF SMART CLASS IN EARLY CHILDHOOD CARE AND DEVELOPMENT

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Abstract

In the modern era of education, the latest technology used in teaching and learning process is Smart class. Information communication technology is a new, resourceful and highly effectual 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 in love with to improve 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 advantages and disadvantages but then also it is welcomed by the pupils in a vast manner.

Keywords: *Smart class, software, ECCE*

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 effect of technology on education has made the classroom became more energetic, information became more available through a different way of media and the magnitude of information learner could find is also apparently enormous. The effect of technology in education can be seen as computer has become the new class room at present scenario. 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 other gadgets. 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. Blackboards, dusters with chalks and charts are the teaching and learning tools which were restricted to be used in the past era of education period. But now is the time of smart class which helps to make learning things enjoyable through various digital equipments like DVD or VCD, Interactive white board, computers, big wide screen attached to a projector. Books that have one time loaded us for their weight and volume can now be digitally converted into a versatile electronic gadget which can be easily handled. The e-book facility has just replaced the use of physical library. The role of conventional teacher has become the virtual instructors in present time.

Need of the study: The role of a teacher is very significant in Teaching Learning process all the way through smart class. With the active participation of a teacher the classroom can become livelier and plays a significant role in the field of education. In Early Childhood Education by means of ICT and smart class through animated videos, rhymes, stories and the entire relevant curriculum become attractive and students get fascinated and learn in a very positive direction. By providing additional videos and other media materials teacher can stimulate the curiosity of students.

Significance of the study

The blending of technology and education is considered the main key in human progress. The role of smart class will play a very vital role in the development and deliverance of future programs in education. The maximum level of modification is

happening in relation to education and smart class is gradually the teaching method is occurring via ICT and smart class, rather than using as an extra supplement in the classroom. Smart class in Early childhood education is the application of contemporary techniques and skills to the need of education and training. It includes digital media, audio-visual, computer peripherals with correlated software. This can be called as teaching aids or instructional aides. This modern technology requires teachers to be trained with latest set of skills.

Smart class helps in the skilled development of learning and teaching for teacher of early childhood education. It can be infused in the education process so as to get the knowledge and skill competently. Smart class provides access to resources so that teachers can apply new knowledge and skills they have learnt. Communication technology will be able to expand the capacity, strengthen the ability of teacher, which is the basic requirement of effectual transactional approach.

Soft ware used in Smart class

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.

Freeware: Freeware can be used by anyone devoid of any financial charges. However, limitations are imposed for its use, adjustment and reorganization. In this, as the foundation code is not provided, it can be passed on to any one free of charge.

Open Source Software (OSS): This is computer software and its origin code is made available to the open. It is approved 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. Open Source Software is very frequently developed in a public mutual manner and is more useful.

Proprietary software: This software is owned by any person or a company. Its basic code is usually kept undisclosed and it will have main limitations on its use. Its developers have restricted property rights and can't be copied or extend without complying with their licensing contracts.

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.

The benefits of ICT revolution are to provide training and education of desirable quality can barely be over emphasized. The main focus has been to provide equity, universal access, and ensure stipulation of elementary education. This method of teaching and learning presents a combination of advantages and disadvantages. The pros and cons of this method are as follows: Advantages of Smart class: Anytime right to use to the open globe of Online Information: The use of Smart class with internet is just like a treasure trove of valuable information for the teachers. Storage capacity of data of any subject is easily approachable. It can extract the latest online resources for learning and teaching. It can increase the creativity and curiosity of students. Teachers can rightly use online information from a variety of educational articles that are published on the internet and can professionally project the culled information in the form of an attractive arrangement. In this method, education will not be limited to referring to on paper material. Online resources will bring in a constituent of

excitement to teaching and learning when teachers and students can store on the comprehensive knowledge that is available on the internet.

Digital Aids Help Learner to Understand the Topic Better: Smart class has revolutionized the teaching learning method now the days of traditional black-board education has gone. Present era is the age of smart class which allow the faculty to impart education using, word documents, PowerPoint presentations audio sessions, and video screenings and also through pictures. A picture is value a thousand words! In line with this famous proverb it is through smart class that learners will be able to understand all the information that is presented via these digital aids. As the instructor is not writing on the board, pupils will be able to better focus in the class, assimilating audio-visual information through digital aids like pen drives CDs, and PDF files that will be e-mail to parents. This method of learning and teaching thus avoids the difficulty of preparing study materials while the lecture is in progress. As notes will be given to them through these way, they can focus better while the class.

Top Support for Absentees: Now there are no worries for those students who were not able to attend the class for a day. Teachers can access lectures at any time while all of them are recorded on digital devices. Students can download the lecture which was discussed in their absence.

These digital notes will save students when they missed a class, without giving any extra efforts to obtain it.

Interactive atmosphere supports enhanced Learning: The method of instructions through use of digital tools enhances interactive surroundings to learning. This is in an ICT class where improved simplicity is established between the students and faculty. As the learning is linked to images, maps, photos and animated videos, a learner will be able to set up a strong bond with the faculty. Learner will be inspired to share their thoughts liberally in class, expressing them through drawings and writings.

Smart class makes "Go Green" Classes: ICT classes are the classes where lectures are delivered through digitalized manner, in the same way study materials are also provided in soft copies so it a perfect elucidation to the environmental threats that are posed by the traditional method of education. It will create a "Go Green" region when student will learn about their preferred subjects without the use of pen and paper. Student doesn't need to depend on printouts and photocopiers which are evidence for the way to the development of a carbon footprint. This way, ICT class can certainly become practical and an intelligent way to pave means for a greener environment.

Disadvantages of Smart class

Economical Concerns: School management requires having extra amount in their budget to keep their school side by side with the most recent technologies in teaching. In every other day, a new version of software evolves and it is not only hard to keep speed but also finance these assets. Schools have to appoint remunerated technologist to maintain and use these resources. This resource also needs necessary changes in the classrooms to be properly adjusted to the new teaching techniques and technologies.

To apply this modern teaching techniques and technologies in schools the extra budget is needed to invest for the training program for the faculty because all teachers cannot become accustomed to use these teaching tools by themselves. The

fruitfulness of smart calss can be done only by trained and skilled teacher and if they are not skilled about the newest technologies it will be worthless.

The Hazards of Learning by Technology: When new technology is applied to education, the outcome is very progressive and amusing but, the regular use of electronic gadgets can harm the problem-solving ability of students. Once in a while when a gadget malfunctions than the student feels that they are completely lost and helpless. All parents are not able to be acquainting with modern gadgets so they fail to give any type of educational support to their children.

Human moral values are not sustained: The electronic teaching gadgets come as teaching aids. Students used to learning by means of smart devices will drop contact with their teachers. This will diminish the significance of learning through good teacher; students will not give any importance to teachers and will not learn any values and ethics. Students will always connect to the computers which will have its side effects.

A Uniform Learning Process: When the teaching and learning process is done continuously by modern gadgets. This brings monotony in learning which declines the creativity in learner and makes the class boring without any interaction with the teacher. It seems like teaching learning is a mechanical process.

Technical Malfunction: Many teaching hours can be loss due to any malfunction in electronic gadget. As these tools are delicate and takes money and time to get repair. To overcome all these situations teachers are enforced to come back in the traditional mode of teaching by using chalk and black board. Such technical problems affect the environment of classroom. In such situation's teachers are also not prepare for the topic and they get disturbed in both the modes of teaching.

Conclusion

After discussing both the aspects of smart class in teaching and learning process, it gives a direction to consider about the means and ways to make the education enjoyable and accessible to each student. Definitely there are some demerits of smart classes. But when the numerous advantages are seen, then it can be concluded that ultimately the influence of smart class will be noted by the capability of teachers to use the innovated teaching tools to make new, rich and active environment of learning in the contemporary world is aiming for.

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