

Strategies and Practice to Improve Effectiveness of ICT in Teaching – An Analytical Studies

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ABSTRACT

The world moves toward the advanced technology that recognizes as a supreme part of today's life. Technology, integration of information, and communication skill help the teachers to teach the students that are available at the different part of the world and assist to change the traditional method by the technological method that makes the teaching method easy. ICT plays a quintessential role in the development of the country (Bindu, (2017)). As per the education ministers, the new blueprint of the teaching process indicates the importance of technology used in the teaching process that will positively impact the learning system of the students. The target of this report has been to represent the strategy and practice to improve the effectiveness of ICT in teaching. ICT is important for both the teacher and student because it helps both in teaching and learning. This will use various tools to improve the effectiveness of the strategy and practice of ITC. The technology efficiently provides all the information related to the every topic for learning so it will minimize the difficulty for the student as well as teachers.

Keywords: Strategies and Practices to improve effectiveness of ICT in teaching.

INTRODUCTION:

Technology is not a very old term it was introduced in this 21st century, when technology came no one taking interest in its parameter and generate many issues related to technology however now the value of technology increase these days, therefore no one can imagine the world without technology (Comi,Argentin, Origo,Pagani,(2017)). Technology is one of the important elements that is improving the efficiency of every type of field around the world this report consists of how technology has been changing the perspective of teaching and learning for both the student and teachers in the world. This report consists of educational ITC that will refer to the integration of information, technology, and communication that praise the use of the internet to grab the information, making the good communication skill with the help of computers. These days teacher prepare the student for the digital world because everything is changing and convert into advanced technology. The teaching and learning methods change as per the requirement of the generation and leave the traditional method that cannot implement in an advanced world. This report covers all the factors of teaching and learning that enhance the ITC rate for both the student and teacher. These days student are very chummy with the technology so they can grab the knowledge if a teacher uses this type of atmosphere for the learning process, many advantages that are follows by use to technology which enhances the understanding skill in student. The use of ICT in the teaching and learning process will help to understand the difficult subject with an easy method of teaching. This report will cover all the factors of the ITC that will improve the teaching and learning style of the teacher and student. This report shows all the sides of the ITC of teaching and learning techniques.

LITERATURE REVIEW:

Teaching and learning technique that is based of technology:

The author of this article Comi, & Pagani, L. (2017) shows the difference between the traditional and advanced technology of teaching. In the traditional style of teaching, the teacher teaches under the shed of the tree there was no room facility and those schools were called Gurukul. The student has to come to the Gurukul for the learning that system faces many issues such there were so many restrictions that is the reason student, did not have the freedom to express their view beyond the teacher, punishments of any mistakes were very harsh that will impact the growth of the student and there was no proper uniform system that create discrimination in the students. The new method of teaching shows many advantages that make the teaching ground proactive. Therefore it provides easy access, a learning environment, and comprehensive teaching (Puolitaival, & Kestle (2018)). All the governments of the different countries support the idea of advanced technology use for teaching therefore they provide so many facilities to enhance the growth of this style in teaching. The education ministry of India supports the advanced technology of teaching that provides the flexibility of knowledge and understanding skills. By last India changes many policies so that new policies support the new style of teaching and it also increases the education budget by 4% that shows the importance to advance the technology of teaching these days, India paired with the CEO of Google to enhance the advanced technology in India. This technique gives the freedom to ask any type of question related to the subject and express their opinion. Now the search bar for the knowledge for students becomes bigger as compare to the traditional method that was used in an earlier time. In the earlier time teacher uses many tools such as chalk, market, equipment to make the topic easy for the student however today teacher have to be updated as per the generation this prove that it helps to enhance the growth of the teachers, because of the liberty of thoughts and carrier selection for students, they enjoy the teaching style and encourage for the hard work related to the goal of the student. New technology promotes the real experiences in a student that develop the skill in the students for the future time.

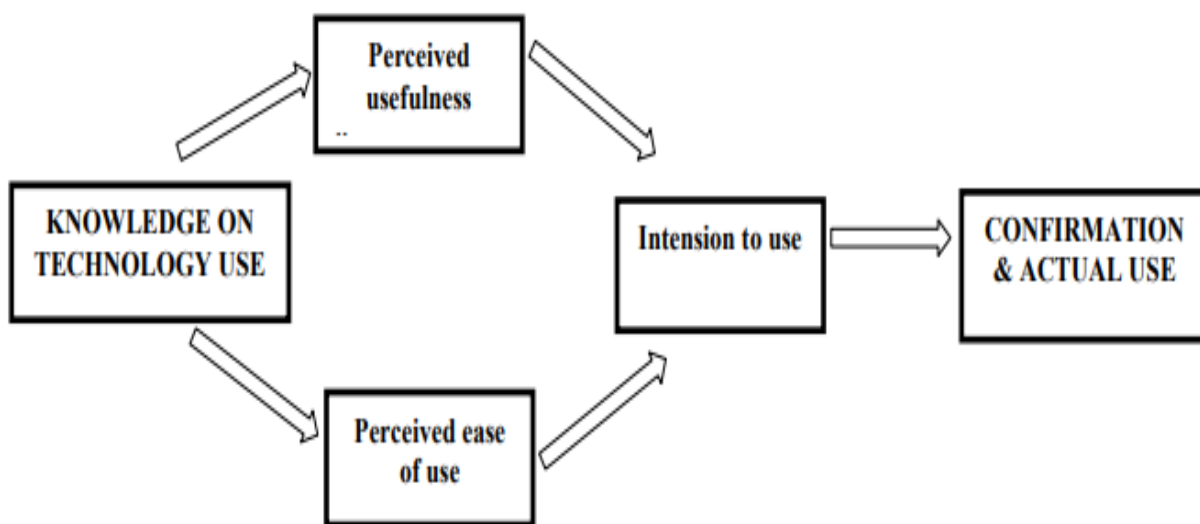
As per the researcher of this article, it analysis that new generation that will be going in the school is very advanced as compare to the last generation because new generation have to experience the ITC integration from childhood and they all will growing with technology that will make them much more efficient than the later generation. This also shows the issues that will be faced by the Old teacher in the schools will impact the growth of the student's future because it is easy for the new generation to cope up with new technology but not for teachers. The main obstacle of this teaching style for the teacher are confidences and difficulty to take control of the ICT for teaching, that is barrio until they don't have experience in this teaching style. Integration of ICT style will enhance the growth of the student as well as teachers in the schools.

The framework of ITC:

The main function of the integration of the ITC is to make the teaching style more reliable for the students therefore it will improve the quality of experiences in learning. As per the Roger and Davis framework of ITC has two important Theories that will impact the growth teaching style and learning process for the student. The first theory is given by Roger that shows the diffusion of innovation in 2003 and the second is given by Davis that shows acceptance of the technological model, both theories show the best results for the teachers as well as students. Roger's theory supports the innovation that enhances the value of knowledge in a student that will create the skill of effective decision making that will fully impact the growth of the child. By the Davis theory, it will help the student as well a teacher to efficiently use the ITC technique for the betterment of the future so they will accept it and make effective results for both. ITC improve the confidence level of teachers, level of knowledge, overall performance and make them smarter than before because they have to be updated as per the generation growth to answer the question of the students. These theories evolve the teaching style of the schools that are enhancing the value of knowledge and give the freedoms of thought of innovation because now teachers have enough knowledge to guide the student in the right direction on a particular idea of innovation and support it. The framework of ITC mainly focused on the main purpose of the study that will enhance the platform of knowledge and perspective of thoughts. This is the time when every country collaborating to solve the issues related to politics, environment, social, technical, the matter of education, and many. This also increases the value of innovation among the students and give a chance to explore their interest and they can work globally for the cause of interest. This introduces the flexibility, integration, accessibility, functionality, enhance the knowledge and many skill. ITC is used to elaborate the deep meaning of the knowledge, by use of technology for the betterment of the teaching skills that will help the student to raise its knowledge in every type of field and produce an efficient result. The farm work of ICT raises the value of new techniques of teaching and the aim of the framework.

Effective element in technology-based teaching and learning in schools:

Elena, (2017) thinks that the ICT technique is a very new technique of teaching therefore it creates difficulty for the teachers to understand it and produce effective results for student development. school teaching time is not enough time to learn this new technique so the teacher of the schools is taking the time to understand it, so the teacher does overwork to understand it and use it in an efficient manner that will produce an effective result and make the students comfortable with this new techniques because the teacher has the responsibility to create the value of this new technique that will enhance the knowledge development in the student. If a teacher will not support this technique then students will never take interested and cannot enjoys the advantages of this technique. In the starting time this very difficult to understand and uncomfortable but it has many benefits that will enhance the level of the student as well as the teachers in the schools. Lots of reports show that if teachers use this technique appropriately and efficiently it will raise the understanding level of students and produce a great result of learning. Schools have the responsibility to provide proper training and time therefore teachers understand the process of the system that will raise the confidence of teachers and feel comfortable with it. This technique is very important for student development in every type of field (Hatch, 2015).



Source: By learner

Effectiveness of technology-based teaching and learning for a student:

The author Lawn, & Morello, (2017). of the article evaluates that the effectiveness of new technology during the starting is not too good because of less experience. ITC technique is the best way to teach the student for the betterment of the future. This technique is famous around the world to hence the knowledge of the student. Many teachers are going to different countries to understand the new technique that will the government to improve the education system of the country. This is one of the best methods. ICT produce interest in the subject that will help the student to innovate some useful thing for the country as well as the world. With the help of this method of teaching, a teacher can answer every type of question to their student and the value of teacher raise in front of a student. It is the best method to collect the information and use it for the reliable purpose. It will help the student to enhance the reading, writing, learning, research skill that will get a huge response from a future time. ICT techniques use many methods to provide easiness for the teacher as well student to understand the relevant knowledge with help of presentation, video clips, article of the subjects (Mullons, (2017).). A NEW generation will enjoy ICT techniques and teachers putting their full efforts to produce good results by enhancing the ability of knowledge, creativity, imagination, and understanding skills that will provide a bright future. This method eliminates the dubbing issues for the student's brain and every student has to create their idea of the project and enhance its skills for a better life.

Issues and Solutions:

There are many issues related to ICT implementation. The main problem in many parts of the world is the budget required for the implementation of ICT and other allied technologies. However, governments and

the public seem to show reluctance to spend such a huge amount on education. The other problem associated with ICT implementation is training costs for the teachers. Most teachers initially are not equipped to handle technology with ease and hence require additional training in the field of technology to reap its benefits. All this presents huge challenges to the implementation of ICT in the teaching industry. The integration of ICT and education all require the children and students to adapt to the technology. Some children tend to adapt to technology faster than others. If these flaws associated with technology are removed then ICT would be the biggest revolution in the field of teaching (Struthers, 2015). The future of most country's teaching will need an overhaul for implementing ICT i.e. Integration of Information, Communication, and Technology. Technology-based learning can be implemented uniformly only with the governments and greater public participation. The process can also be enhanced through external support from international organizations as they can bring in the much-needed change in the mentality of governments in favor of ICT implementation in education. The implementation of ICT also requires strategic planning on the part of schools for its implementation. If there is a lack on the part of schools in the implementation of the ICT the money put in the system would turn out to waste.

CONCLUSION:

The implementation of ICT tools in the modern education system is increasing at a significantly fast pace. However, the ICT implementation is uneven across the world and also across regions and types of schools. The amount of funding received also makes an impact on the implementation of the ICT implemented. The above research represents both the advantages and disadvantages of ICT and the challenges associated with them. There are several shortcomings involved in the research since many schools are reluctant to use ICT in their procedures and tend to prefer traditional methods. The research must take into account the impact of ICT in all types of schools whether it is private, public, or whether they support the implementation of technology or not. However, it was realized through this research that ICT increased the inquisitiveness among students (Ghasemy, M., Hussin, S., Megat Daud, Ghavifekr, Kenayathulla, (2018)). This is simply because technology more or less impacts the education of children in a good way through increasing their intellectual abilities including a research-oriented mindset. This is a global phenomenon regardless of the fact of where the ICT has been implemented. The ICT's effectiveness in teaching methods is supported by the various scientific testing methods which assessed the technology. ICT has in almost all cases increased the horizon of students' knowledge. Also, the studies have pointed to the fact that there is universal acceptance of ICT technologies by teachers since they seem to acknowledge the potential of technology in education. Hence it can be concluded that ICT will be the driver of education for the future.

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