

# Effectives of Information Communication Technology in Teaching and Learning

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## **Abstract**

*Education is the basic tool which aids to understand the things and gain knowledge. Such understanding learning can be gained effectively using the Information communication technology. ICT is a tool which is used as communication system for learning. ICT is a sunshade term which is used in application of many visualized things by the use of electronics devices for effective learning such as, Televisions, Radio, mobile phones etc. Data and correspondence innovation (ICT) have been plugged as conceivably amazing permitting instruments for enlightening change. This study tosses the importance of ICT in teaching and learning and their efficiency in education. Implementing this ICT will also make future generation to develop their career and also give good development of visualized education at global standard.*

**Keywords:** *Televisions, Electronic device, Education, Global standard, Learning, information technology*

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## **INTRODUCTION**

Transformation happens in this fast moving world. Technological changes getting changed rapidly in every moments of day to day life. The present time frame is the phase of Information Communication Technology. Sudipta Deb Roy (2015) states that Information technology has made people life easier with their essay access of usage. This feature of ICT made is presence more in all fields. Jeelani (2011) states that, "It is just through instruction and the coordination of ICT in training that one can instruct students to be members in the developing procedure in this time of quick change".

## **MEANING AND DEFINITION OF ICT:**

Sudipta Deb Roy (2015) said that ICT implies Information Communication Technology. It has three sections: Evidence, Message and Knowledge. Data stands for outline of

information. Actually information remains crude rare numbers that are handled in to data Message stay a method which engenders data and Information. Innovation is medium through which these data's are speeded and analyzed using many electronic devices. ICT is the methods in which people connect themselves with this world through this technological up gradation.

### **Segments OF ICT:**

Sudipta Deb Roy (2015) says that ICT contains specialized gadgets and applications like PC, equipment systems, programming, versatile innovation, satellite correspondence, etc.

**Cable correspondence:** Sudipta Deb Roy (2015) said the period of satellite correspondence in which special satellite is launched through this ICT technology.

**Video conferencing:** Sudipta Deb Roy (2015) said that it is a two way correspondence framework. It can in any case comprise of individuals meeting in independent gathering rooms or stalls with uniquely prepared TV. Visualization is used to convey and to share information with others through sound interaction.

**Internet:** Sudipta Deb Roy (2015) says that wireless network through which people can connect globally.

**RFID Technology:** Sudipta Deb Roy (2015) said that Radio Frequency recognizable proof is which through electromagnetic waves it works. In contrast to Barcode, the tag does not really should be inside observable pathway of the peruses, and might be embedded in the followed item.

**Internet based life:** Sudipta Deb Roy (2015) examines that Social media are the most confident and embrace innovation. They allow informing, blogging gushing media and labeling. Generally utilized internet based life are Twitter, Instagram etc. which entertains people through the technology.

### **ICT IN TEACHING AND LEARNING:**

Shirley Mukhari (2014) states that There is extensive proof that ICT has an inperdictable role in teaching and learning which makes the learns to understand things in an effective way. Tedla (2012) says that this ICT is a good communication tool which is used by instructor and learners to gain knowledge, share information.

### **WHY TEACHERS SHOULD USE ICT:**

Eze and Olusola (2013) states that Today world has become surrounded with technology without this support we cannot learn anything so teachers are to be smart enough to handle this technology they should be technically capable to render the knowledge to students with

tech fit approach. Tedla (2012) states that use of ICT by instructor for their learners will improve their academic access and knowledge. ICT initiates the learning styles of the learners and instructors which makes classroom technology more effective.

#### **USE OF ICT IN EDUCATION:**

Sudipta Deb Roy (2015) says that the advantages of ICT application in training can be outlined as howl:

- . It enhances training modules and methodology of implementing them effectively.
- . ICT enhances the brilliance in training by better approaches for correspondence and furthermore makes instructing – learning process all the more intriguing.
- . It offers rise to chances to the enormous number of students to get instruction and Data.
- . It gives particular apparatuses to students with pictorial gain information at their personal pace.
- . ICT promote to every single school in involvement of instructive knowledge at the world wide.
- . Permits in separation training framework progressively viable.
- . ICT promotes elevating innovation learning and each national and particularly to youthful leads.
- . ICT gives chances to lifetime instructions.
- . It builds up the instructor's quality both as far as educating and research.

#### **ICT TOOLS USED IN CLASSROOM TECHNOLOGY:**

**PC Aided Education:** Sudipta Deb Roy (2015) says that Computer is a visualized tool which makes learners to be more attractive and make them to learn effectively. This computer aided education contains audio-visual representation since it become more effective.

**PC helped instruction:** Sudipta Deb Roy (2015) says that Computer Supported Knowledge is the working together in guidance for the most part in an exact branch of knowledge, and different originate before the web .These can run from intelligent and tasteful business bundles to applications progressed by venture in other instructive establishments or national activities to basic illuminations created by people with no subsidizing or support to handle an extremely nearby issue.

**LCD Projector:** Sudipta Deb Roy (2015) states that A LCD projector is a sort of audio-visual projector It is utilized as showing help in classroom exchange for showing picture, graph, PPT and so on.

## **ROUTINE WITH REGARDS TO SMART BOARD IN TEACHING SPACE:**

Sudipta Deb Roy (2015) states that smart board is also called as touch board are one of the world's greatest makers of innovation.

- It can be effectively used in instruction process.
- Educator can make use of this smart board for their knowledge sharing thoughts and effective lesson plans to the students.
- Clever board likewise has recreations of kids which can be used by educator on intuitive sliver board for influencing students to rouse their exercise.

## **ADVANCING APPROACHES OF ICT INTEGRATION:**

**I. E-learning:** - Tinio (2002) states that it is kind of online learning which includes online classes, online games, etc which entirely depends on internet based.

**II. Mixed learning:** - Mr. Himanshoo Kumar Sharma (2015) states that the learning model that consolidates the student's potential to learn things faster based on technological learning methods.

**III. Dynamic learning:** - Mr. Himanshoo Kumar Sharma (2015) says that ICT-upgraded learning assembles apparatuses for examination, count and investigation of data so as to give a stage to understudy request, investigation and working of new data. The students subsequently, gain as they do and, at whatever point reasonable exertion on genuine challenges top to bottom. Besides, ICT makes the adapting not so much elusive but rather more significant to their life conditions. Rather than retention based or repetition realizing, that is the element of customary teaching method; ICT-upgraded learning motivates better student commitment. ICT-improved learning can likewise be 'in the nick of time' discovering that the understudies pick what to realize when they require.

**IV. Helpful learning:** - Mr. Himanshoo Kumar Sharma (2015) states that ICT-bolstered learning motivates correspondence and collaboration among students, teachers, and specialists regardless of where they are. Aside from demonstrating true cooperation's, ICT-upheld training offers chance to work with understudies from various societies, in this manner creating students joining in classroom practices.

**V. Inventive learning:** - Mr. Himanshoo Kumar Sharma (2015) says that ICT-bolstered information empowers the control of winning data and the formation of genuine items instead of the redundancy of got information.

**VI. Integrative learning:** - Mr. Himanshoo Kumar Sharma (2015) says that it is kind of hybrid learning in which both technology and white boards are used simultaneously. This is similar to mixed learning.

**VII. Evaluative learning:** - Mr. Himanshoo Kumar Sharma (2015) states that ICT-improved learning is understudy coordinated and expository. In contrast to static, content or print-based instruction, ICT-improved information distinguishes the nearness of various learning approaches to find instead of simply tune in and remember.

**VIII. U-Learning:** - Mr. Himanshoo Kumar Sharma (2015) states that Ubiquitous adapting, otherwise called u-learning depends on worldwide innovation. The most essential job of omnipresent registering learning in u-learning is to construct an all-inclusive learning condition, which licenses anybody to learn at anyplace whenever. Some says that the advancement of worldwide learning has been upgraded by the expansion of remote media transmission abilities, open system, consistent developments in processing power, enhanced battery innovation, and the rise of adaptable programming structures. This prompts u – discovering that allow singular learning exercises installed in regular day to day existence. Anyway obviously there is clear meaning of u-learning because of quick changes of learning environment.

#### **Review of Literature:**

- Mathipa E R et al (2014) review in this study that the issues hindering the combination of ICT in instructing and learning are: deficient number of PCs and nonattendance of utilization programs, guide age hole, insufficient instructor preparing, absence of knowledge aptitude and absence in certainty, educators' convictions, poor school initiative and absence of open help. The suggestions are wide running and incorporate estimates that will facilitate and urge educators to coordinate ICT as recommended by the present student and social structure for future.
- Habibur Rahman (2014) studied in his analysis that Technical movements for the most part in the territory of ICT enable mentors to contract a few strategies that could effectively draw to student's advantage, likewise investigates innovation based media which is imperative for separation students.
- Ghavifekr.S et al (2015) analyzed in this study that instructors' all around outfitted planning with ICT devices and is one of the major implication and best method of

practice education but suggestions are given that joining of other ICT intergration will have to consider before it is implemented.

- Sudipta Deb Roy (2015) found in this study that job of instructor is particularly critical in showing learning process. Educator is the primary mainstay of instructing – learning process. Educator is the facilitator of instruction. ICT can't supplant the instructor; help the educator during the time spent instructing and make the coaching–knowledge process increasingly community. The viable utilization of ICTs in encouraging learning process additionally relies upon teachers ICT talent and aptitude. Hence the educators need to understand that whether students are ready to accomplish an abnormal state of competency and intensity, they have no other decision however to acknowledge innovation as a coordinated apparatus in the field of training.
- Nicoleta Duta et al (2015) evaluated in his study that the unmistakable quality of utilizing new innovations in college training, which is imperative for instructor's plausibility so as to actualize into educating as the method of proposition for an agreeable work, in specific angles, to build up the aptitudes required. From the perspective of the understudy, the advances give chances to rousing learning and furthermore agreeable subtleties. In explicit, clarify our involvement in the usage of new advances in college training exercises as instructors.
- Himanshoo Kumar Sharma (2015) examined in this study that ICT gives different opportunities to learners and make instructors mindful of their new jobs and obligations in instructive set up. The rising utilization of ICT will change huge numbers of the methodologies utilized by the two educators and understudies in the learning procedure. The job of ICT in the instructive organization is occasional and obligatory.
- Baishakhi Bhattacharjee et al (2016) reviewed in this study that Continuous and Comprehensive Evaluation (CCE) helps students and instructors to utilize more information for adapting technology and improve their capability. The learning of ICT is especially fundamental for the both planned instructors and in addition in-benefit educators moreover. This will assist instructors with knowing coordinated innovation with schoolroom training.
- Yazidu Saidi Mbalamula (2016) analyzed in this study that ICT aptitudes are vital for working of information, as well as basic for distinguishing helpful data for learning.

Educators also consider ICT as an effective tool of learning, which makes learners to understand things accurately.

- Namita Saxena (2017) evaluated in this study that ICT has brilliant maturing for instruction. ICT empowers an instructor to connect broadly capability and effectively. It causes instructors and establishments to be progressively current and dynamic. In the long run, the utilization of ICT will upgrade the learning encounters of students. It likewise helps for building a fruitful profession, in an innovation sharp world.
- Hadiya Habib (2017) examined in this study that the magnificence of projects as estimated by qualification for reason should keep on creating, if the partners see the different instructive projects as living up to their needs and desires. ICTs serve to give the way to exercises to understand the potential in HR. Besides, reasonable finances must be given to start, create, support, audit and execute ICT arrangements in the instructive division to achieve an improvement on ICT use, through PC students courses educated in tertiary establishments.
- Kingsley A (2017) found in this study that Information Communication Technology (ICT) in current period education, which is a basic for national improvement, has not been instilled in underdeveloped nations. It is against this relevant that this paper situated that Information Communication Technology (ICT) ought to be instilled in the instructive arrangement of the underdeveloped nations for educating and advancement. This will guarantee that the underdeveloped nation's instructive framework would have the capacity to meet best overall practice in training which a fundamental is for development.

### **OBJECTIVES OF THE STUDY**

- Development in learning pace and achievements.
- Improving acquisition of information, skills by individuals mandatory for better living and sustainable growth.
- To encourage and enables the relationship between human and the environment.
- To implement the standard of long lasting education.

### **FINDINGS:**

ICT as a contemporary innovation streamlines and empowers human exercises isn't just advantageous in numerous regards, yet additionally has numerous restrictions. Confinements can be sorted as educator related, student related, and innovation related. Instructor's demeanor towards utilization of these innovations is essential, numerous perceptions

uncover that a few educators don't have clearness about how far innovation can be useful for the assistance and enhancement of learning because of absence of capacity to deal with, while a few teachers may have hopeful frames of mind to the innovation. Instructor struggle and absence important to utilize ICT in training may likewise be another confinement (Himanshu Kumar Sharma, 2015). On the off chance that educators build up some essential aptitudes and preparation to try different things with understudies, ICT use in instruction is in a hindrance (Brosnan, 2001). Absence of framework and hardware's are another issue for back warding Indian instruction framework.

## CONCLUSION

Data correspondence advances are provoking all parts of life, in which the impacts of ICT is noteworthy is training. ICTs support to grow access to training, urge to learn, encourages the procurement of essential aptitudes, and can change the learning condition consequently help enhancing the nature of instruction. ICT has inconceivable potential for training. ICT empowers a teacher to connect generally proficiently and adequately. It encourages educators and associations to be progressively current and dynamic. In the long run, the utilization of ICT will enhance the learning contributions of students. It additionally helps for building a productive profession, in an innovation sharp world.

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