# Role of ICT and its Impact on Education Pillars

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**Abstract***: The objective of this article is reached up to the main role of ICT and Teachers entire education system. The Study belongs to Teachers - Students attitude, behavior and psychological constructs relevant to understanding and predicting the infusion of technology into teaching-learning in education. This Article highlights various impacts of ICT on Education in the current era and also elaborate on the role of teachers with innovative practices in education.*

**Keywords:** Information Communication Technology, Colleges SSR, Teachers Students, Millennium Development Goal, Royal Society, United Nation Organization, Environment.

## I. INTRODUCTION

ICT can contribute to universal access to education, equity in education, the delivery of quality learning and teaching, Teachers professional development and more efficient education management, governance and administration. UNESCO takes a holistic and comprehensive approach to promote ICT in education. Access, inclusion and quality are among the main challenges they can address. According to the Resolution 56/183 (on 21st Dec 2001, The United Nation General Assembly) related thesummit to the "United Nation Millennium Declaration" Goal of implementing ICT to achieve "Millennium Development Goals".

### MEANING

Information Communication Technology (ICT) is an extensional term for information technology (IT) that stresses the role of unified communication. The integration of telecommunication (telephone lines and wireless signals), Computers as well as necessary enterprise software, middleware, storage and audio-visual system which enable users to access, store, transmit and manipulate information.

## II. LITERATURE REVIEW

1) Prof. Supriya Dhanwani, 2013

ICT plays role in education with the help of a laptop, personal computers, smart phones (mobile, Tablet) familiar with teacher and students. With the help of above things both teachers and students sharing information. ICT has used in the various phase of the learning cycle viz.
The admission phase, the learning phase, the evaluation phase and finally the certification phase.

2) The Royal Society's Report

Upuntil 2012, the use of ICT in many schools in the UK is highly unsatisfactory. There was a shortage of teachers who are not able to teach beyond basic digital literacy. There was a lack of continuing professional development for teachers of computing.

3) Michal Klichowski, Caterina Patricio

The Human brain rather dislikes ICT tools. Intensive use of ICT tools negatively affects the information processing capacity and reorganizes the human brain in a negative way, the consequence of which can be for example the development of chronic pain. Media multi-tasking has a particularly negative impact on the human brain. what is more, the cognitive neuroscience perspective shows that ICT tools can bean attractive learning tool only for a narrow group of people who are cognitively playful.

## NEED FOR THE STUDY

Information &communication technology in education is a core part of teaching, Learning and evaluation. The entire educational system is following the structure of ICT in daily work. All are affecting positively as well as negatively International Journal of Advance and Innovative Research Volume 6, Issue 2 (XIV): April - June, 2019 56 ISSN 2394 - 7780

## THE OBJECTIVE OF THE STUDY

This research article tries to convey the following objectives.
A. To Find the impact of ICT on Students, Teachers and Parents.
B. To Find impact on Environment.

## III. METHODOLOGY

This article is based on secondary sources like books, Articles, Journals, Experts Opinion, Website and Reports of UNO.

## ANALYSIS OF SECONDARY DATA

1. Technological Gap between Parents and Students/Ward

These issues need explicitly stating as there may be a "Technological Generation Gap between parents and children (and may be even a gap between children and some teachers) Everyone involved with the contemporary technological issues needs to be both educated in Computer, Laptop, Smart Phone, Projector and Internet.

2. Reduced the habit of Physical Book (Hard Copy) Reading

If Students and Teachers are addicted to ICT then they are neglect the Physical book reading and as well as they lost habit of reading (Physical Material likewise News Paper, journals, Magazines, textbook) and they missed the best knowledge despite the only addiction of ICT.

3. Loss of Writing Practices Whole life Teachers are only the source of information; Teachers are collecting the data and serve the students with the help of ICT. Whenever teachers practiced such things at that time students only forwarding information via smart phone, computer, laptop and all instruments and it is a big cause of reduces writing habit of students. Impact of less writing result will be decline.

4. Impact on Mind of Excess use of ICT in Education

There is no clear commanding body of Evidence that children sustained the use of ICT has only impact on Academic Achievement. The technological addiction is a subset of behavioral addiction e.g. salience mood, modification, tolerance, withdrawal at conflict and relapse.

5. Effect on Health:

Neck and Head pain: Constantly looking down at devices can cause neck pain and over time will cause the neck to lose its natural curve. Eyestrain can also cause headache, Blurred vision and migraines.

6. Effects on the Environment

With the rapidly changing world of ICT, the turnover rate for upgrades is staggering. This constant stream of out with old, in with the new is adding to the level of toxicity in our air and land. E-waste is not always disposed of properly, causing dealing chemicals to leach into the ground.

## IV. CONCLUSION

* ICT provide innovative tools for learning.
* Provide elements of Interactivity which can stimulate learning.
* Provide elements of curiosity and challenge with can be crucial to learning.
* Eliminate Gender imbalance.
*Teachers should be aware of ICT and its Limitations and need to put safeguards in place to protect children from addiction of ICT.
* Teachers should always use the tools of Writing and Reading Practices which is useful in their examination.
*Teacher and Students and Parents upgrade themselves at current ICT Era.

\* Some Physical and Psychological impact can occurwith excessive use of ICT.

## V. SUGGESTION

To re-iterate and expand on above, there needs to be integration between lots of different activities (not Just ICT) and for these to be a balance between ITC and Tradition education so that they can combine to form a richer experience for the children of tomorrow.

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