



Information Communication Technology for Quality Education

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Available online at: www.isroset.org

Received 06/Nov/2017, Revised 18/Nov/2017, Accepted 15/Dec/2017, Online 31/Jan/2018

Abstract- ICT (Information and Communication Technology) can be employ for the teaching field. Education includes online, distance and part time education. ICT can play an important act in all the activities by providing a lot of advantages to students, teachers, parents and Universities itself. ICT can be used for providing education to the people who are not able to come to school due to various reasons. Various ICT tools are implemented to make the teaching-learning process effective. ICT has the possibility to remove the obstacles that are causing the problems of low cost of education in any country. There are various ICT tools available, which can be used for the knowledge creation and spread in the modern world.

Keywords: ICT, Education, Learning, Tools etc.

I. Introduction

In 21st century education is the backbone of any nation. Indian government has declared the span 2010-2020 as decade of innovation. at the moment days, having a revolution of ICTs, the upper education through distance mode is incredibly fashionable, info, Knowledge, and Communication Technology in addition play important role in education. Smart use of ICTs will method info, produce cognitive content and build them accessible wherever and whenever necessary at any time.

The Indian teaching System has established itself because the largest system within the world in terms of variety of establishments and third biggest in terms of student enrollment (after China and USA). Within the current info edge, individuals have to be compelled to access information via info Communication Technology to stay pace with the most recent developments. In such a situation, education, that continually plays a significant role in any economic and social development of a rustic, becomes even a lot of essential. ICT is doubtless a strong tool for extending opportunities in remote learning resources.

The Policy of data Communication Technology in teaching aims at preparing learners to participate creatively inside the establishment, maintenance and growth of a cognitive content society, resulting in all spherical development of the state. ICT has the potential to get rid of the barriers that are inflicting the issues of low rate of education in any country. ICT is employed worldwide to extend access to, and improve the importance and excellence of upper education. It provides

learners and academics new tools with that to be told and teach.

II. ICT TOOLS

Various ICT tools offered which might be utilized for the information creation and dissemination within the present. Tools embody web, portable, Computer, laptop, tablets and plenty of different hardware and package applications. bound ICT tools such as laptops, PCs, automaton mobile phones, and PDAs have their own Apps for instructional activities. These devices facilitate to transmission education and coaching for lecturers and learners. Involvement of ICT's during a completely different dimension of the Indian learning system is happening at a quick pace. the utilization of Satellite educational TV Experiment (SITE) in 1975-76. In India many Universities, UGC implements audio-visual class-room for the scholar and school members. In gift these programs square measure continued as Vyas channel supported by the tutorial Media Resource Centers (EMRC), Gyandarshan -II of the IGNOU, Open faculty and NCERT broadcast channel. EDUSAT was conceptualized to satisfy the communication needs of the education zone. Use of radio for instructional practices has been noticeably in style in past decade and continues to be in use in India by IGNOU.

III. Advantages of ICT tools for Education

Use of ICT in learning and coaching has become a priority throughout the last decade. ICT has advantages on students' performances in education sector. teaching institute with decent ICT infrastructure and resources achieved higher results than people who aren't well-equipped. Use of

multimedia system in education ends up in the developing productivity and retention rates, as a result of folks keep in mind 2 hundredth of what they see, four-hundredth of what they see and listen to, however concerning seventy fifth of what they see and listen to and do simultaneously. There is a major improvement on learners' performances. Learners and academics use ICT to prepare their work digital portfolios or comes. additionally, the study showed that ICT has important impact on academics and teaching processes. Use of Video conferencing is that the best communication medium once learners' and academics need to achieve totally different professional in their subject across various time areas or countries. This medium uses a camera, loudspeakers, net connections and mike to attach totally different folks at a similar time. The instrumentation used permits everybody to visualize, speak and hear one another.

IV. ICT in Open and Distance Learning

In this system, learners square measure remote to the establishment and square measure in giant scale. The use of ICTs in distance education is incredibly necessary because it creates academic opportunities on a large scale for those learners World Health Organization square measure unable to afford ancient schoolroom teaching modules thanks to price impotence, teacher inaccessibility, and a few alternative factors.

Information Communication Technology plays a way broader role together with education modules like the gap learning programs and education efforts for college kids unable to review in universities of their alternative, that were earlier impossible. The introduction of long distance programs in Nineteen Fifties, several universities in developing nations give distance education schemes and supply free courseware content through medium, TV, and audio video contents, specifically for teaching students. Notable samples of some Universities providing distance programs in India's from Indira Gandhi National University, NCERT broadcast channel, EDUSAT and several others. There are thousands of applications ready, each year and supply several academic content to the scholars. Today web provide a lot of interactive illustration of distance learning, though it should replace the older strategies of communication with the new growing social networking platforms like YouTube and Skype.

V. Challenges and Solutions of applying ICT for learning

Challenges and Solutions of applying ICT for learning In general, there's a shortage of qualified and trained professionals of ICT in India. Access to on-line and distance learning by ICT is additionally still restricted. What is more, few opportunities out there square measure largely restricted to few urban and rural centers and faculties in Asian country. one in every of the nice challenge for internal control in

education is lack of standards for parameters to live the standard of education. ICT introduction to distance education doesn't solely need enough initial however additionally effective union of ICTs system in programme, pedagogy, teacher competencies. one in every of the main challenges within the implementation of ICT in education is that the initial thinking that's supported the technology. ICT hardware and software package aren't designed as per academic functions rather they're designed for general purpose.

VI. Conclusion

ICT for education introduce to the event of data and technology specifically for teaching-learning purpose. By using ICT in teacher coaching will save plenty of cash of the govt. ICT will have an effect on the delivery of education and alter wider access to a similar. It'd give the made surroundings and motivation for teaching learning method that appears to own a profound impact on the method of learning in education by providing new potentialities for learners. Smart quality content is major problems and directly affects the standards of education and quality.

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