



e-ISSN: 2319-8753 | p-ISSN: 2347-6710

IJIRSET

International Journal of Innovative Research in
SCIENCE | ENGINEERING | TECHNOLOGY



INTERNATIONAL JOURNAL OF INNOVATIVE RESEARCH

IN SCIENCE | ENGINEERING | TECHNOLOGY

Volume 10, Special Issue 2, December 2021

ISSN INTERNATIONAL
STANDARD
SERIAL
NUMBER
INDIA

Impact Factor: 7.569

Challenges in Using ICT Tools for Teaching and Learning During Covid Pandemic

Mrs. M.S Muthamil¹, Mr.S.Prabhu²,

Parvathy's Arts and Science College, Dindigul, Tamil Nadu, India

ABSTRACT: The paper focuses on the challenges in using ICT tools for teaching and learning during Pandemic. ICT means Information and Communication Technology. There are many advantages to using ICT for teaching and learning. ICT becomes a vital tool in achieving the peak in the educational hill. Anyway, due to COVID'19 pandemic situations, the process of teaching and learning is affected much. The quality of education remains incomplete in this period. Many devices may useful in attaining the teaching-learning process; yet, neither the teaching nor the learning is not fulfilled. It is a new experience for both the teachers and the students to gain knowledge using gadgets.

KEYWORDS: ICT, Teaching and Learning, Tutor, Learner, COVID pandemic

I. INTRODUCTION

Education is that the method of facilitating learning, or the acquisition of information, skills, values, beliefs, and habits. Teaching will be outlined as engagement with learners to change their understanding and application of information, concepts, and processes. Learning is that the method of deed new understanding, knowledge, behaviors, skills, values, attitudes, and preferences.

Now a day's science has developed loads. ICT is that the abbreviation type of info and Communication Technology. There square measure several devices like TV, Laptop/PC, Mobile, E-books, Tablets, Interactive whiteboards, Cameras, Projector, DVDs, and also the web, etc. within the portal of ICT, the below pictures square measure the pictorial displays of devices in ICT:

ICT TOOLS



Fig 1.1 ICT Tools Communication Model



15th & 16th September 2021

Organized by

Department of Computer Science, Parvathy's Arts and Science College, Dindigul, Tamilnadu, India

ICT is a boon for education. It promotes the machinery learning experience. The tutors can access any ICT device from anywhere and at any time. Also, the learners can be able to gain subjective knowledge from anywhere. It shows the future advancement in teaching-learning when compared to teaching in-person to the learners. The present generation of learners takes electronic gadgets as their mode of learning.

The learners need not depend on the situation to come to the institution for learning. In such a way, time can be saved for the learners. Thus, ICT enhances learning. It provides different opportunities to make learning more fun and enjoyable in teaching the same things in different ways. During this pandemic situation, the traditional method of teaching gets reciprocated by the technological method of teaching.

II. ROLE OF ICT

In simple words, ICT means any technology that has to do with information and technology. ICT tool provides high-level teaching and learning environment with good effectiveness. It improves productivity in class. Through ICT, without wasting time by coming in person, the learner can experience face-to-face conversation with the tutor.

Information and Communication Technology is changing our lifestyle in the way people communicate, and gather information. The environment of education is filled with the pure air of ICT. When ICT is integrated into teaching, the learners are able to get more engagement and concentration in the learning process. Due to the effect of these engagements, the learners are able to retain knowledge more effectively and efficiently.

The learners are more fascinated with the technology. They are ready to shift themselves from the traditional method of teaching method to the technological method of teaching. They are fascinated by learning classes through the applications of Google Meet and Zoom. The learners in government institutions use television as their mode of learning.

The Internet is helpful for the learners to get information for subjects through browsing and listening to YouTube videos. The bigger version of the mobile is nothing but the tablet. The tablet is very beneficial for the learners in listening to the PowerPoint presentations presented by the tutors. Byju's, Vedantu, and Leed are some of the educational applications used by learners to learn the CBSE syllabus. Web cameras are very essential in attending classes through videos. In this situation, both the learners and the tutors are not missing the webinars conducted online.

III. CHALLENGES WITH THE TUTORS

During this COVID Pandemic situation, the tutors are much affected in their profession. The teaching-learning loses its quality heavily. The tutors from the rural areas are not much heard about the technological advancement in teaching with ICT devices. They do not have any proper knowledge in handling the gadgets.

The tutors are having the habit of handling classes with books, blackboards, and chalks. It is very difficult for them to get their hands with gadgets instead of books. They lose enthusiasm in teaching while teaching with the gadgets. They feel difficulty in explaining their points and concepts of their topics while teaching online. On another side, the tutors are missing to separate their learners. They have separated their learning according to their own understanding levels.

IV. CHALLENGES WITH THE LEARNERS

The learners are considered to be birds with colorful feathers in the forest of school. They fly in the sky without any obstacles. But in this pandemic situation, the students become caged birds in a golden cage. Even though they are in their own homes they feel some vacuum in their learning place. The circumstances in their homes may not be suitable for them to learn something.

The parents and guardians are probably not in a situation to buy the gadgets for their children to study. Most of the parents and guardians lose their jobs in this pandemic situation. They are in a critical situation even to fulfill their basic need to their families. The learners themselves understand the low economical situation in their families. They feel hesitant to ask about the electronic needs for their learning process.

All the learners may not be experts in handling electronic gadgets. They feel difficulty in internet connectivity. More than that, through online learning, the learners feel hesitant to ask their doubts to the tutors. Their queries remain unanswerable. So, the learners are not able to score good marks in examinations.

V. LACK OF ACCESSIBILITY

It's obvious that everyone the tutors and also the learners area unit having mechanical man mobiles and laptops with internet cameras on their hands. A number of them might not be ready to afford those gadgets. Even in 2021 itself, there are units several families live while not one mobile. Over that, the learners area unit the primary graduate of their families. Education becomes a special and a dreamful issue for his or her families.

The learners in urban areas even have a drag with the provision of ICT. They need their own mobiles and laptops on their hands or learning. They must even have correct web property in their surroundings. Nowadays, the categories area unit largely handing through the applications of Google Meet and Zoom.

VI. LACK OF REALITY

The closing down of colleges and also the call of shifting ancient lecture rooms to digital platforms is increasing learning difference among youngsters.

The learners aren't showing emotion connected with the tutors. They miss the fact that prevailing within the schoolroom. The house itself is that the teaching place for them wherever they will get some problem in learning. Thus, the learners' area unit psychologically not totally glad with the category. The learners' area unit abundant hooked up with their friends in faculties. They miss them abundant. In such circumstances, the learners, concentration on studies gets lost.

VII. LIMITATION OF TIME

Unfortunately, the sole minimum time has been given for the tutors to handle their categories. The tutors' area units in a very vital scenario to end the portion on time while not fail. They miss the fact of the teaching method. They're able to handle the category. However they're ready to connect physically, showing emotion, and psychologically with the learners. The learners' area unit in a very hurry briary scenario to scan and prepare the total portion in a very short span of your time.

The learners get confused within the method of getting ready for his or her exams. They are doing not have lucidity in their portion. They lack clarity in their learning. Their information becomes half-gathered. Even the most effective students might lose confidence in finishing their portion. They lose sensible marks in exams.

VIII. LACK OF QUALITY IN EDUCATION

In March 2020, a nationwide internment was obligatory, forcing some faculties and schools to shut and instructing students to abandon the standard schoolroom teaching vogue. This resulted in an instantaneous increase in innovation and technology, that the academics accustomed end the information. However there's no different thanks to management the pandemic scenario at that point.

Most of the learners' area unit babies. The tiny youngster's area unit watched rigorously by the tutors once they handle categories in the flesh. However through on-line teaching, the learners' area unit lost from the main focus of the tutors. During this approach, the particular quality of education is way affected. If the standard of education is lost, the standard of data in learners is simply too affected.

IX. CONCLUSION

Thus, ICT plays a vital part in the teaching-learning method during this COVID pandemic state of affairs. The tutors ought to incline correct coaching in handling ICT devices in an efficient manner. Within the same approach, the



scholars ought to incline correct active coaching to handle their ICT devices in an exceedingly pleasant manner. The most effective thanks to develop ICT capability is to supply them with meaningful activities, embedded in purposeful subject-related contexts.

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**Impact Factor:
7.569**



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