ICT FOR TEACHERS' TO CREATE DIGITAL LEARNING ENVIRONMENT: E-LEARNING AND CHALLENGES OF LEARNERS'

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Abstract

21st century is a technological era. The entire curriculum should have ICT based learning system. E-Learning, which is an integral part of ICT enable learning system, is the most important in now a day's for higher studies. Teacher training curriculum also need ICT based curriculum, not only in theoretical syllabus but also in practical practice.

E-Learning is a user friendly procedure in modern age besides of traditional learning system. Unavailability of books, syllabus oriented study and high cost books of higher education made easy to use e-learning. But sometimes fake & wrong information crack the original meaning of a particular topic.

During this pandemic time (2020) teachers are participating to take classes through online. Using e-learning and other platforms the classes are going on. But in fur flung areas and in economically weak students could not have the facilities. So, in this situation ICT in education is good or bad? Again in the time of post pandemic period this situation will create a gap between e-learning users & non-users. All over, the e-learning has lots of advantages and disadvantages too.

The purpose of paper is to discuss about the positivity and negativity of e-learning and also about the e-learning utilizing situation during & after lockdown. In the other hand this paper will also discuss about proper utility of the same. Also a general discussion about ICT is there in the paper. For this paper the ideology & methodology is completely depends upon the different kinds of internet media, TV-media, NEWS channels, NEWS-papers & some books because of lockdown. Finally the paper is concluded with different challenging situation of learners' about the uses of e-learning

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during pandemic.

INTRODUCTION

21st century is technological era. Everywhere technology is used. Science is giving various technological apparatus in daily life. We the human are continuously using those technological tools in our life to make easy and smooth. Because of continuous development, the needs of human are escalating day by day. So the education system should upgrade like the same speed to catch the same accelerator. For this situation new generation should have the contemporary environment to be the part of the new era with new technologies.

Teacher education is a combination of such type of skills where focus, accuracy, knowledge, performance, behaviour, attitude and co-operation will work together for performing teaching-learning task perfectly inside of the classroom & in the wider community. ICT enable teachers' training is very useful in teaching-learning procedure to manage the learning situation during teaching in the favor of learners using electronic gadgets. E-learning system can be one of the truthful parts of the teaching-learning procedure where teachers can apply the new technology in inside and outside of the classroom.

The pandemic situation creates a mess in every dimension of education system. It becomes problematic not only for teachers but also the students. But it gives the chance to open digital platform - ICT for teachers' to create digital learning environment. Somewhere it is progressive but it has negativity too.

ROLL OF ICT IN TEACHING-LEARNING PROCESS:

- ICT can make learning process very easy and interesting

- ICT prepares teacher for the use of their technical skills.

- ICT enhances the initial preparation by giving good teaching and training materials, use of simulators, recording and feedback in teaching.

- ICT provides lifelong professional development by providing courses in a virtual situation, training on demand, orientation and refresher courses through videoconferencing and online.

- It provides new forms and structure for representing knowledge and individuals' relationship with it.

- ICT can setup real life example of the subject

- It enables the recording process to take place while it is being used.

- It also helps in improving professional Development and Educational management as well as enhances Active participating of teachers'

- With the help of ICT Teacher can develop communication network.

CONCEPT OF E-LEARNING IN 21ST CENTURY IN INDIAN CONTEXT:

E-learning is having the abbreviation of electronic learning. That means electronic instruments are used for learning. In wider sense the learning is facilitated by any electronic media or sources. e-learning calls for the service of the advance electronic information and communication media and means using various sources. In ICT, various media or sources are used for e-learning, such as computer, internet, microphone, pen drive, etc.

In India e-learning started very late in time but it keeps the position very fast. Indian education system still is in black-white environment. So MHRD tiers to develop ICT in school education system in every corner of the country. The positivity of that is the students will do the problems by themselves and the creativity will grow and also the classrooms become interesting. The teachers also can present the lesson effectively. For that NCTE include ICT in teachers' education curriculum.

E-learning is also known as online learning. e–learning encompasses learning at all levels both formal and non-formal that uses an information network–the Internet. The components include e-portfolios, cyber infrastructures, digital libraries and online learning object repositories. All the above components create a digital identity of the user and connect all the stakeholders in the education. It also facilitates inter disciplinary research and teacher training. During pandemic it is very much used.

TYPES OF E-LEARNING

***Computer based learning*:**

Computer-based learning is the term used for any kind of learning with the help of computers. Computer-based learning makes use of the interactive elements of the computer applications and software and the ability to present any type of media to the users and also learning without the need for an instructor to be physically present. Computer-based learning is also known as computer-aided instruction.

I*nternet bas*ed learning:

Internet based learning is the term where internet and World Wide Web are used for any types of information. Various search engines are used for getting informations. Hyperlinks are most important element and PDFs are available for learning.

Web based learning:

Web based learning is often called online learning or e-learning because it includes online course content. Discussion forums via email, videoconferencing, and live lectures are all possible through the web, thus enabling access to a vast amount of web based information.

Sometimes tools are also used for e-learning such as – e-mail, audio chat, online forum, web, video conference and online learning management system.

POSITIVITY OF USING E-LEARNING FOR TEACHERS

• It is very much flexible for using. Any time any where it can be used. Proper internet connection if one has then it is very easy to carry any electronic device rather carrying

a large heavy book for PDF version or digital version of any lesson.

- E-learning based on learner centered. So, learner can get information about lessons and new information. They can learn sometimes without any instructor.

- Teachers can get easy teaching approaches and also different ideas for better lesson plan with proper learning methods.

- Sometimes one particular topic is not found in one book. Then a student have to buy many costly books otherwise borrow from the library. But from digital library one can get the topic very easily. Using smart phones one can save the particular document in the device storage for further use, free of cost.

- In online mode trainee teachers can get some lectures through videos. In distance education e-module will help get lesson from one's own place. Learner can grow self-learning habit.

- Teachers, during their teaching, can use different real life example with the help of online videos and how to explain the examples that also they can get idea form any online article.

- Digital library and kindle editions of different books are reducing the cost and save time in higher education, research & dissertation of teachers & scholars.

NEGATIVITY OF USING E-LEARNING FOR TEACHERS

Every corner in the country the internet connection is not so good. Though 21st century is technological era but India is a developing country. So if someone can't have the proper internet connection, mostly in the far flung areas, the teacher can't use the online lesson for students.

Reading habit gives the chance to increase the level of imagination power and also help to increase self understanding level. For a teacher it is very important to understand the lesson by self because the teacher has to give answer of sudden question in classroom situation. But from e-learning one can get easily any question-answer about any lesson. At this situation no one may try to think the answer by self. Using the e-learning system the reading habits are deprived by the new generation students.

Due to privatization most of the private schools are facilitated the classrooms ICT and smart class system. Because of that student are getting very easily the e-learning environment from the beginning but in the rural area or some govt. schools can't provide the system due to lack of funds & infrastructure. ICT enable systems are very costly most of the time.

To use the e-learning procedure, technological education and curriculum should be in the teacher training education. Most of the time the trainee teacher know the theory but there is no practice of practical work.

Using e-learning students are getting habituated by self learning. No face to face interaction is needed for the e-learning. But for a trainee teacher, instruction of instructor is very important in the time of practice teaching. That particular time online instruction should be avoided.

Mostly students are doing their assignments from online sources. They, in harry, don't cross check the topic with any book material. Some time they don't get the topic from any book then they have to solve it from online help, but there is no surety that the information about the topic is correct or not.

If teachers set up an example with an online video as a teaching learning material-(TLM) in a classroom then the use of self creativity of the person is deprived.

PROPER USE OF E-LEARNING (probable):

Now a day's e-learning is very popular. Though it is costly or is needs a proper technological environment, it has a wide implementation in every curriculum. NCTE includes a separates syllabus in school level with practical. Now the question is how to use e-learning in properly for gaining knowledge?

There are three steps should be followed for using the e-learning process—

1. *Planning:* to use the e-learning what is one's particular topic that should be maintained. The main theme or key-word of the topic should be considered.

2. *Process:* not only from one site but also different sites should be followed.

3. *Checking:* if possible then the searched topic should be cross checked from books or any other sources.

These all are possible when a learner is well aware about the learning process and also truthful about gaining knowledge. Sometimes one tries to search a topic and (s)he got two different definitions from two different sites. The information can be fake or edited wrongly from the original one. That is very much dangerous for not only a new learner but also for a teacher. To avoid this type of situation one should cross check the topic as much as possible from different sources or from a teacher, but most of the time one is in rush to complete the particular work. Field work is very lengthy process but reliable for cross checking as well as gaining other experiences side by side.

From internet facilities or digital platforms any one can get new and updated information. It is very simple & interactive for a teacher to present lessons. For teachers', one should use the facilities for upgrading own teaching style, new style of learning designs and TLMs.

Presence of a teacher increases the confidence level of a student. Face to face interaction is very important for any student with a teacher. That why video conferencing is better for online learning mode, instead of a readymade video lessons.

CHALLENGES OF LEARNER DURING PANDEMIC

Now a days, there is a new debate comes in fronts us i.e. Govt. schools vs. private schools. Parents have more faith in private schools, though the fee structure is high, because the private schools have the facilities of computer literacy and other extra-curricular activities. In India most of the Govt. schools don't have the proper infrastructure to avail the computer programs. Lack of fund and corruption may cause of this lack. In the other hand poverty is another important cause of the imbalance of the society. But, Govt. schools of Delhi are

much better than the other Govt. schools in other places.

During this pandemic most of the private schools are arranging online classes for the students. Using different platform of internet, teachers are taking the classes just like schools. School managements take the initiatives for the continuation the education system. Most of the states in India secondary and Higher secondary examination is interrupted and CBSE have to cancel the total examination. To set up examination through online is very problematic. It is creating very pathetic situation and challenging moment for the students. These types of disaster take the education system one year back from its usual timeframe.

Not all students have the facility of online classes in India. There are lots of reasons behind it. Some of them are---------

I.   All the region of India is not internet friendly. Lack of electricity & internet facility in the far flung areas is the cause of absence of digital platform. Not only students but also teachers cannot avail the facility.

II.   Practical and field work is not possible through online.

III. Because of poverty most of the parents cannot provide smart phones to their children.

IV.   Most of the Govt. Schools are not running the online classes. In post pandemic time there will create a huge educational gap between these two groups of students- online users & non-users.

V.   There is another problem during the pandemic is the over use of internet by students'. In post pandemic time it may cause of loneliness, lack of interest in playing, lace of interest of practical experience and increment of cybercrime.

VI.   During lockdown children cannot play in free environment with their friends. It may cause of gloominess. Teachers also cannot teach the students in practical way in open area.

CONCLUSION

In this technological era the next generation is addicted with electronic systems. Dynamic change is going on in this era. E-learning is an example of the same. People should go with the flow but every new thing has positivity as well as negativity. If one chooses the positive side of that new element then the element also takes to the path of positivity. That means every new thing or system needs a proper use to side of development. In teaching-learning process e-learning has a vital role now. It has a more future implication in education system. The education system will change in afterwards using online system during pandemic. Learners can take care of every use of e-learning system for the betterment of the total teaching–learning procedure.

India is a developing country. In India most of the people only write their name on paper. Just this much cannot be treated as literate. To make digital platform, it is very necessary to have the knowledge about digits, then only one can go for the digital platform. For teaching-learning procedure teachers can promote digital platform for the betterment of the stu-

dents. Adaption of new system can upgrade the old thoughts. This upliftment may cause of total development of the country.

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