



# JOURNAL OF EMERGING TECHNOLOGIES AND INNOVATIVE RESEARCH (JETIR)

An International Scholarly Open Access, Peer-reviewed, Refereed Journal

## RELEVANCE OF TECHNOLOGY IN HIGHER EDUCATION

**Dr Niraj Kumar Singh**

Assistant Professor(B.B.A. Department)

Siddharth University Kapilvastu, Siddharthnagar(U.P.)

**Harshita Singh**

Research Scholar (Education)

Siddharth University Kapilvastu, Siddharthnagar(U.P.)

### Abstract

This era is technological era. From waking up to going to bed, we use technology for comfort and better result. Then how it is possible that technology is untouched with education system. Before four decades technology is started using in education paradigm in different countries. In our country it is still in progressive state. The objective of this study is to introduce introduction of using technology in education and spreading awareness regarding its relevance in teaching learning. Here the data was collected from different books, general, articles, websites etc. As we know that education is most important for development of any civilization. A person can preserve his custom, belief, tradition, culture etc by transmitting it through generation to generation and it is only possible through education now using technology in education makes it more proper, useful advance, flexible and mass reaching. So, we can say that using technology in education is more significant innovation.

**Keywords:-**Technology, Educational technology relevance

### Introduction

Everyone wants excellence in their work. That's why innovation and invention takes birth. In this path technology is a greatest achievement for this purpose. We are living in a century where science and technology is being used in mostly all fields and with the help of these kind of innovation the related field achieve its aim very easily. A revolutionary change also occurred in the field of education. With the integration of technology in education there is a lot of positive change happened in the field of education. Traditional teaching method supported with new method of teaching, digital support material enhance the quality of teaching and learning. That's why teaching

and learning become more attractive flexible and qualitative. Technology has provided valuable support to teacher in their teaching and learner in their learning..In our country technology is still in progressing path in the field of education.

When we started using the technology in education a new discipline emerge as a Educational technology. In this discipline we learn about education in technology and education of technology. Both terms looks similar but there is major difference in both the term. Educational technology is a systematic process in which 5 Ms as man, machine, material, media and methods are interrelated and work together for achieving educational objective.

## Technology

The word technology is derived from the Greek word ‘technique’ meaning art or skill and logy meaning science or study. The technology is the science of a study of an art or a skill. Tssechnology is not only the tool for the development of science but also the change in the social process

Because of innovation and invention technology in education emerge as a new concept. In educational field technology is a problem solving invention. It is necessary to classify technology in education into two categories: first- systematic program, second- support items. A systematic program is set or package of complete program and support items consist of technology support. The scientific invention have influenced our life even our kitchen has become mechanist that's why our education process could not remain untouched by this. A very remarkable term in the field of education during the last four decades in the advance countries has been the tremendous use of technology in making education productive. Technology are characterised as all kind of gadgets, apartus, as content, assets, discussion and everything which can be convey through computerised structure. We used different kinds of media as a newest technology in educational field. Using multimedia technology in teaching- learning makes it affective and understable. It enhance the effectiveness of class and student learn better with using modern methods compared to traditional method. It become possible just because of use of technology in education.

The basic concept of technology in education is same as technology of education but there is some different in their meaning. Technology of education concerned with the study of educational problem and the technique to be used in solving that problem so that best result should be achieved. In nutshell we can say that technology used in planning, financing and administrating of education comes under technology of education. In the other words technology in education refers to the application of engineering principles and technology in the process of education basically it is called hardware technology. With the invention and innovation of technology it is now successfully used by teachers and learners in teaching learning process for solving their problems and making teaching learning more effective. Technology in education means use and implements tool and machine in education as in other field of study. Under technology in education we include: projectors, smart boards, film, TV radio, internet, computer, power point presentations etc.

## Features of Technology in Education

1. It is based on the principle of engineering science.
2. This is called as hardware approach.
3. Technology in education has a existence because the application of engineering to education . Its example are TV, radio, projector, internet, computer, hard board, smart board etc.
4. This is like a teaching aid.
5. There is need of skill and experties while using these hardware in education.
6. This approach is relatively rigid.
7. While giving mass education or arranging programs for mass education it will be useful.
8. It is comparatively expensive technology.
9. There will be need of electricity while using this in education.
10. It design for appropriate learning situation for the learners
11. It brings k best means of instruction to the learner and also help the teacher to giving the instruction smoothly.
- 12.It facilitate teaching learning by giving support of lots of media and methods.
- 13.It includes input output and process.

## Relevance of Technology in Higher Education

Because of changing scenario of education system modern method of teaching learning takes the place of traditional method of teaching and learning. Invention, innovation and technology advancement has changed our life as well as education too. Importance of technology in education are as follows:-

### 1.Based on scientific principle

As we know that technology is based on scientific principle it will help the learner to clarify established, classified, correlate, coordinate and interpret the concept and make the teaching learning more effective, interesting and meaningful.

### 2.Recommendation of committees and commission

Different types of committee and commission have been form for development of education system in India. Kothari commission 1964- 66 has recommended to use technology in education which will bring ‘educational revolution’. National Policy on Education 1986 had great stressed to use technology, teaching adds to make teaching learning more effective.Ocur current national education policy 2020 had given more emphasis on giving education through technology.

### **3.Clear all doubts regarding any concept**

It is true that audio visual material supply concrete basis for for conceptual thinking and offer best antidotes for the disease of verbalism. If we use most of senses during learning we learn better and when we use technology in learning we , use most of senses once at a time so it clear all doubts and make learning program permanent.

### **4.Covers most of maxims of teaching**

The use of technology enables the teacher to use different kind of maxims in their teaching as concrete to abstract, known to unknown, simple to complex etc.

### **5.Useful to attract attention**

Attention is most important factor in teaching and learning process. If teacher can engage their learner and attract their attention towards the learning the learning will become most vicarious experience for them and will retain in their life for long with the use of technology in education this become true to attract the attention of learner very easily.

### **6.Saves time and energy**

Traditional method of teaching and learning takes more time and energy of teacher and learner while technology centred method saves time and energy of teacher and learner by easily clarified understood and simplify the concepts.

### **7.Create healthy environment in classroom**

A healthy environment is necessary to learn retain and clear the concept. With the help of using technology in classroom the interest of learner enhance and their learning become joyful and because of this environment become healthy.

### **8.Individualised instruction**

We know that every child has unique Identity capacity and IQ levels. Teacher have to taught them according to their need and interest and their difficulty level. Some of them have visual problem, some of them have ear oriented problems, some of them have speech problem, slow learner etc technology has helped and take care their problem smartly by giving them instruction and assistance.

### **9.Mass education**

In today's era education is important and write for all everyone should be educated and that's the aim of our country but some people lives in remote area and unable to get the education but now with the help of technology everyone is getting the education mass education is possible through it.

## 10. Betterment in the quality of teaching learning

We focus on improving the quality of teaching and learning. Technology assist us in this process by enabling us to use more varied rich media of teaching learning.

## 11. Teachers productivity and efficiency can be improve and enriched

Technology can save the time and energy of the teachers and with this saving teacher can learn using more media of instruction and start presenting their lecture through it that will enable the learner to understand well and that will increase the productivity and efficiency of the teacher.

## 12. Change our perception towards education

The importance of technology in education can be **seen** at all level of education either it is elementary or higher. This has showed us that only giving instruction to our child is not education but prepare them as that they focus on their personal development is education.

## Conclusion

The evolution of technology has impacted every sphere of our life from waking up to going to bed. Either we are using microwave to make the sandwich or taking cash from ATM to buy the bread or using Bank to communicate with each other. Every step we take in our life we use technology then why not in education. Yes we are using it in education too which make it more easy and interesting. Using technology and education has made the education accessible to all. All the stake holders related with education system are benefited with using it. At the end, teaching learning after analysing all the content related to it we are sure that using technology is very beneficial for everyone.

## References

- Agrawal, J C., (2012). 'Educational technology and management'. Agra: Agarwal publication
- Agrawal, JC., (2015), 'Educational technology and management,. Agra: Shri Vinod pustak mandir
- Bransford, J., Brown, A., and Cocking, R. (2000). How people learn: Brain, mind, experience, and school. Washington DC: National Academic Press
- Clark, R. E. (1983). Reconsidering the research on learning from media. Review of Educational Research, 53(4), 445-459
- Kulshreshth SP 2014 shaikshik takniki ke Mul Aadhar Shri Vinod pustak mandir Agra.
- Mangal, SK., (2019). 'Shiksha takniki'. Delhi: PHI learning private limited
- Sharma, R A., (2013) 'Educational technology and management'. Meerut: R Lal publication
- Yojana
- www. Wikipedia.com
- <https://soeonline.american.edu>
- [www.onlinebussinessschool.com](http://www.onlinebussinessschool.com)