



Technological Skills for Future Teacher Education

JATINKUMAR K. SOLANKI

Ph.D. Research Scholar, Department of Education,
Saurashtra University (State University of Gujarat), Rajkot

Abstract:

For further good future of education we have to study technological skills. Most of the Researchers have begun to study about technological skill of education in demands. To increase the technological demand in education for highly developed skills for teachers and students in technological field of education. Technological skills can change the behaviour of teachers and students towards education. We can use different type of technological skills to change education learning system and make better new communicated world. Education technology is the study by creating and using available resources. Educational technology is the process of integrating technology into education in a positive manner. It promotes teachers and students to use technology in teaching learning process. Teachers need to develop the use of internet, digital literary information, use of social media, other apps and websites, citing useful sites. Teachers will have to use different presentation software, YouTube video and Blog information. Teachers will have to prepare about mobile technology, new technology and self learning technology. Teachers will have to connect with E-mail networking, Free resources and citing sources, new apps and new educational websites, new teachers education and updated with new educational information.

Keywords: Education Technology, Skills, Teachers, Students, Future technology

1. Introduction

Last ten years, education groups have issued a number of reports. It indicates the skills demands of work in education. There are some technological changes in education for increasing global competition. This type of improvements in every parts of education has to prepare young

people with the higher skills. It requires for the coming years and century. For further good future of education we have to study of different technological skills. Their skill demands have reached on different conclusions for preparing healthy education. Most of the Researchers have begun to study about technological skill in demands. There are some economists who have found skill biased in technological change. To increase the technological demand in education for highly developed skills for teachers and students through research in this field of education. Mostly change the gap of private and government institute of education. Technological skills can remove the educational growing gap from lower to higher education. We need higher view of education for developing technological skills in every field and faculty of education. We should have to use different type of technological skills to make new communicated world. First we have to know about what is education technology and also about technological skills.

2. What is education technology?

“Education technology is the study and ethical practice of facilitating learning and improving performance by creating, using and managing appropriate technological processes and resources.” (Wikipedia, 2018) Educational technology has both the uses. They are Physical hardware and educational theoretic. There are several discrete aspects of describing the intellectual and technical development of educational technology. Richey(2015) defined educational technology as given below:

“The study and ethical practice of facilitating learning and improving performance by creating, using and managing appropriate technological processes and resources.”

Thus, educational technology is the process of integrating technology into education in a positive manner. It promotes teachers and students how to use technology in teaching and learning process.

3. What are technological skills?

Technological skills are the knowledge and capabilities to perform specialized tasks. Management often needs to have technical skills in order to communicate effectively with line workers and coordinate efforts. So technological skills are the knowledge of special field. In education field technical skills requires specific education or training. Technical skills are seen in practical manner. It allows a person to complete designated task in reality not in theoretical way.

4. Objective of this theme paper

1. To know about useful technological skills.

Importance of technological skills

The importance of technological skills is given below:

1. To provide technological education to the students.
2. To save teachers who failure in the classroom teaching.
3. To use modern technology in effective teaching learning process.
4. Students get digital information through technological skills.
5. To update with technology and new generation.
6. To use reflective with critical and creative thinking skills.

5. Different Types of Technological Skills

There are many persons who give their different definitions on technological skills. They are given here below:

5.1 Laura Turner(2005)

1. Word Processing Skills
2. Spreadsheets Skills
3. Database Skills
4. Electronic Presentation Skills
5. Web Navigation Skills
6. Web Site Design Skills
7. E-Mail Management Skills
8. File Management & Windows Explorer Skills
9. Web CT or Blackboard Teaching Skills
10. Video conferencing skills

5.2 Greg Thompson (2005)

1. searching the web efficiently
2. Mastering Microsoft Office and Basic Word Processing
3. Being Willing to learn new technology
4. Connecting with Social Media
5. Sharing and Collaborating via YouTube and Blogging
6. Unlocking the Potential of Mobile Devices
7. Reaching Out with E-Mail
8. Making Your Point with Presentation Software
9. Googling it
10. Getting Ahead in the Cloud

There are different types of technological skills in education. We must use it in future teacher education. They get different technological skills. Lets we discuss very important technological skills for future education. They are given in below here.

6. Use of internet

Teachers and educators should have to use internet for new technological skills. They have to know how to use proper internet search, research and modifiers its terms and condition. Teachers also need to develop internet search skill and teach to their students. They should provide proper materials to their students and get authentic information. They need to know how to find information scholarly and provide useful materials through internet.

7. Digital Literary information

It is the ability to use digital technology. It locates, utilizes, reviews, modifies and creates new information of technology. It is the concrete process. It has wide variety of readable tools. It provides online digital literary information through website. Digital literary information connects with students through their lessons.

8. Social Media apps

There are some social media apps what help to provide digital information in future learning process. Online networking is clearly wide technological skills of education. Broadcasting, video casting is generally communicated with members, teachers and students. With the help of social media apps we can build new relationship and share new technological works. Teachers will teach their students how to use social media for

their lesson work. Educators will also use social media for educational technology. They will use it for their professional life. Useful new social media apps will launch for teachers and learners. Teachers will need to get online as a part of their profession.

9. YouTube and Blog sharing

Many educators mentioned video creation on YouTube and Blog sharing. In future many people can use their technological tools, ideas and work. Here person can get new ideas, suggestions and thoughts of each topic in online way. So educators must know how to share information through YouTube and Blog. It is a great way to provide document information.

10. Preparing Presentation Software

There will be uses of presentation software in education. In future education technological skills will provide different type of useful presentation software. PowerPoint presentation, Keynote Presentation and Prezi presentation and new many presentations will work in future. New variety of screen casting apps will also use in the classroom education. Presentation technology will create new education environment. It will motivate with new learning and teaching videos. Classroom activity will being live and effective.

11. E-mail Networking

There will use of E-mail networking in future. It will used as a basic skill to attach and download different files, pictures, lessons, presentation and other useful educational works. E-mail will being very essential. This will be the perfect way of communicate students, teachers, members and educators. It will save things and money too. It will useful as productive thing to save your time. It will provide documents and other educational information in folder attachments.

12. Mobile technology

Many schools and institute will provide tablets, ipad, smart phones and net book to the students. Uses of these type of things will too much at the schools and homes. Teachers will make new type of educational apps for each subject. They will get to their students. Mobile will be useful in additional knowledge. It will also be working as texting and taking picture of every situations related to learning. What will be happening in

classroom will present in live telecasted. Uses of computer will be to less than mobile. Teachers will get mobile technological benefits.

13. Useful apps and software

In future, Teachers will also helpful to their students to search educational apps and learning lesson software. They will teach how to find and use apps in proper way. Apps will create not only for study but also for business too. They must have to use these apps and relate software for further teaching and learning process. They will help to students with smart technology. Students will know their lesson objectives in right way.

14. Use of Free resources and Sources

There will be software providers who will get the free resources and new sources to new education world. They will give free information and will get free important technology. They will provide important online technology through free sources in schools. This skill will help to teachers and students. Teachers should collect this type of information for their students.

15. Citing the websites

Teachers and educators will have to know how to cite a resources and available sources. They will have to teach its proper use. They will have to provide education information with following proper rules of copyright act.

Google and Yahoo will also helpful to teachers. They will provide new type of educational features. They will provide educators to conveniently access materials. Google will get permission to those members who will have their special Google ID for educational work. They will access information on any computer and mobile. Google also will provide working tools and knowledge of cloud collaboration. Google documents will be free and use anywhere as office suite where you go. It will be very valuable skill. Its Forms will be used to take polls, different assessments, data collecting etc. Denise Wright (2015), a virtual science instructor lead at the South Carolina Department of Education, added, "Google Apps are important, since they allow a teacher to work Smarter, not harder. You can design your own quizzes, collect information on a form, design a presentation, get your e-mail or type up a document that can be

published on the Web. Foremost, this tool can be used for teacher-student collaboration. I could not live without my Google apps."

16. Teachers education

In future teachers should be more smart and powerful than present time. They will have their special responsibility. They will have to experiment in education research on teaching learning process. They will have to implications of the changing environment. Teacher education will contribute to building a technological teaching profession. They will have the capacity, qualities and special skills. They will provide best educational experience for new generations' students. The expectations of teachers will have grown considerably in further years and so that the job of teachers will have become complex and demandful.

17. New technology and self learning

Teachers should inform with new technology. They will develop new things, new innovation in education. They will have to focus on student's goal and future technology. Uses of technology in education teachers will increases student's high hopes through education. Technology will use for students with their special ability. Every technology will get information how to use and how to search help menu. With the help of it user will find help forum where user will find the manual work of technology. They will get information with help menu step by step. Here internet will be also helpful to user.

18. Conclusion

In technological skills, there are many different skills will be used in future education of teacher. We are experiencing more rapid waves of technological innovation. The speed of technological change now will be very slowest. In new century, a new age information and technology always be changed in new world and new generation. So we shall have to use education technology in different kinds of education field for students. It will need in teacher education for update with new generation and new technological world.

References

1. Agarwal, J. P. (2013). Modern Educational Technology. Black Prints: New Delhi.

2. Barseghian, T. (2011). Five big Changes to the Future of Teacher Education. (article. November 22, 2011). Retrieved from <https://www.schoolleadership20.com>blogspot>
3. Houle, F. D. (2014). The Future of Education Technology. (article. November 23, 2014). Retrieved from <https://www.seenmagazine.us>articles> >articleid. And Retrieved from <https://davidhoule.com/evolutionshift-blog>.
4. Sledd, M. (2015). The 8 Skills Students Must Have For The Future. (article. April 2, 2015). Retrieved from <https://www.edudemic.com>articles>.
5. Thompson, G. (2014). 10 Tech Skills Every Educator Should Have. Retrieved from <https://thejournal.com>2014/01/22/10-tech-skills-every-educator-should-have.aspx?m=1>
6. Tumer, L. (2005). 20 Technology Skills Every Educator Should Have. Journal: College of Education. Black Hills State University. june-2005. Retrieved from <https://thejournal.com/articles/2005/06/01/20-technology-every-educator-should-have.aspx?m=1>
7. Vanaja, M. & Rajasekhar, S. (2009). Educational Technology and Computer Education. Hyderabad: Neelkamal Publications Pvt. Ltd.
8. Venkataiah, N. (1995). Educational Technology. Atul Publishers: Daryaganj. New Delhi.
9. https://www.ripublication.com/ijeis16/ijeisv6n1_01.pdf
10. <https://www.advanc-ed.org/source/teachers-future-using-new-skills-prepare-students>
11. https://www.p21.org/storage/documents/aac-te_p21_whitepaper2010.pdf
12. <https://www.weforum.org/agenda/2017/05/science-of-learning/>
13. <https://www.informationvine.com/Answers>
14. <https://www.worldpulse.com/pulsewire>
15. <https://edtechnology.co.uk/Article/how-technology-will-shape-the-future-of-education>
16. <https://www.fetc.org>
17. <https://www.edudemic.com>