



Contribution and Role of Teacher in Strengthen of Digital resilience in Higher Education

Prof.Gagandeep Kaur

Assistant Professor, Department of Punjabi

Government College, Karamsar, Rara Sahib, Ludhiana, Punjab

Absract

This paper describes the role of the teacher in the digital age. As a result of immense wealth of knowledge and educational development, the position of the teacher in the field of education in the 21st century has become complicated. At this time, the teacher should be responsible in his teaching field and focus on student- cantered education by adopting technology. A teacher is one who recognizes himself through new sources of knowledge, has an open-minded nature, adopts a creative profession, works collaboratively, etc. In the digital age, the teacher plays the role of a manager and mediator, explaining the learner's social and emotional behavior, holistic development, motivator for the slow learning learner. In the digital age, the teacher himself learns faster, using electronic resources to make the teaching learning process useful for the learner. The teacher is always ready to bring about changes in the social and emotional issues affecting the learning process so that the learning of the learner becomes effective.

Keyword: Digital Era, Teacher Development, Higher Education, Digital Transformation,

In higher education, it is claimed that the role of the teacher in higher education is constantly changing. With the development of digital revolution in the digital era, higher education institutions are facing challenging opportunities. It is necessary to prepare the child for the future by developing the necessary skills through the educational system. In order to motivate the new generation towards education, looking at their changing interests, needs, motivations, needs, the role of the teacher in the changing era of the twenty-first century has also become complex in the field of education. In the era of technology, higher education has changed from being teacher-centred to student-cantered due to the immeasurable proliferation of knowledge. Higher education institutions prefer to use digital technology by providing more scholarships in the field of teaching and learning. In the new digital and cognitive age, there are challenging problems to be faced in transforming the old teaching methods. But the solution to this problem is that the teacher can meet the demands of the modern age by changing the ancient knowledge into a new form through his coordination and cooperation. By fulfilling the demand of this change, the teacher will always be ready to fulfil his responsibilities in a flexible manner and play his competent role in the future.

The role of the teacher in higher education.

“Let us remember: one book, one pen, one child and one teacher can change the world.”

Malala Yousafzai

The teacher is considered as the builder of the nation. The teacher is credited with creating good citizens in the nation through good education. The importance of a teacher in society is like the rising sun. In the Vedic period, the teacher was known as Upadhyaya, Acharya, and Guru who developed the child by imparting higher education. During Jainism and Buddhism, the teacher used to teach the child about self- knowledge. Thus, in the ancient era, the teacher had a place of honour and pride in higher education. Today is the 21st century which is the age of technology. Due to the objective application of new technologies in education based on time and situation, it was necessary to change the position of the teacher in order to understand life on a larger scale and in depth. In this changing era, the teacher is the first online informant in higher education. The teaching learning process which is student centred in which the teacher is considered as the student's role model, guide, best friend, social builder, leader, environmental educator, values educator, trusted advisor.

The Changing role of teacher: Characteristics of 21st Century Teacher

“A good teacher can inspire, hope, ignite the imagination and instill a love of learning.”

Brand Henry

Teachers of 21st century have to take in account the needs of their student, prepare them to meet the challenges of future.

- Learner centered classroom and personalizes instructions.
- Learn new technologies.
- Go global.
- Student as producers.
- Go digital.
- Blog
- Be smart and use smartphones.
- Collaborate
- Connect
- Use Twitter chats.
- Project- based learning.
- Code
- Build your positive digital footprint.
- Innovate
- Keep learning

The role of the teacher in the digital age

“Sharing is good, and with the digital technology sharing is easy.”

Richard Stallman

In the education of the digital era, the teacher is trying to achieve better results by making the learning process effective by finding the difference between learning about and learning to be in higher education institutions. In the 1990s, the use of technology in the education sector was limited due to the high cost of technology and the lack of skilled technicians. The tools used by the teacher

in the teaching learning process at that time were radio, television, overhead, projector, slide projector etc. Now in the age of technology, there can be no problem regarding the use, cost and efficiency of these tools. Technology is helping the teacher by becoming his friend and he can use it to the limits of his imagination. Technology will be more useful to the teacher in the teaching learning environment when the teacher uses the tools on the same basis as the purpose of the teaching learning process.

In the digital age, information and communication technology helps the teacher to teach, train, guide, and target the learner. New technology is not a single technology but a combination of hardware, software, and multimedia. New age technology that will help the teacher in the teaching learning process is becoming widespread and accessible.

Teaching methods that successfully help learners develop the knowledge and skills they will require in a digital age. According to **A.W (Tony) Bates** will outline nine steps, they are more likely to be developed in parallel than sequentially.

- Step 1: Decide how you want to teach.
- Step 2: Decide on mode of delivery.
- Step 3: Work in a team.
- Step 4: Build on existing resources.
- Step 5: Master the technology.
- Step 6: Set appropriate learning goals.
- Step 7: Design course structure and learning activities.
- Step 8: Communicate, communicate, and communicate.
- Step 9: Evaluate and innovate

Role of Teacher in Digital Age

1. As a professional practitioner, the teacher is likely to become a role model or standard for his or her students. Teachers with character serve as role models for telling the truth, respecting others, accepting and fulfilling responsibilities, playing fair, earning and returning trust, and living a moral life.

2. The teacher should also be a subject developer. They provide valuable input in identifying learning objects, selecting content and designing appropriate instructional strategies for their students.

3. Teachers' role in the 21st century has become more complex in today's changing world where knowledge is almost unlimited. 21st century education encourages teachers to give dual or group works.

4. Teachers are expected to become technologically oriented and responsible not only for their teaching but also for their students' learning. A style of learning refers to an individual's preferred way to absorb, process, comprehend and retain information. The four key learning styles are visual, auditory, tactile and kinesthetic.

5. Technology involving everybody, therefore they must have the ability to grasp new things more quickly or quietly as compared to their students.

6. In this web-based learning culture, teaching skills and critical thinking are equally important for a teacher. So that they can think out of the box.

7. Teachers need to meet the standards of the curriculum while enhancing students' creativity, curiosity and motivation.

8. Teacher can effectively utilize digital media tools. In the educational field, teachers can reach out to students remotely and teach them through digital content. Digital media also enables teachers and students to overcome the language barrier, facilitating better education.

9. Teacher working with students and help them to grasp new learning opportunities.

10. Using global education platform perfectly for regular update.

11. They have to cater for special needs of individual students in heterogeneous classes and create student centered learning environment which strives for excellence and offers opportunity for enquiry and active learning.

The role of Teachers in Today's (21st century) Digital World.

“Technology is just a tool, In terms of getting the kids to work together and motivating them the teacher is the most important.”

Bill Gates

- Curators of knowledge.
- Enablers of personalized learning.
- Proficient users of technology.
- Promoters of lifelong learning.
- Collaborators and community builders.

Effects of using Technology in Learning Process by Teacher

- Improve the quality of students learning.
- Disseminate the issues of handwriting, pronunciation etc.
- Encourage individual learning.
- Gives a whole view of the matter.
- Encourages peer activities.
- Develop communication skills.
- Give a concrete knowledge about the subject.
- Give motivation to learners.
- Promote independent learning and preference.
- Familiarize learner's to use technology.
- Provide opportunities to students for their contribution in learning.
- Develop students thinking level.
- Analysis of problem.

Can technology replace the teacher?

“Technology will not replace great teachers but technology in the hands of great teachers can be transformational.”

George Couros

An attempt is being made to get the answer to the question whether technology is needed in the teacher's class at a very cognitive level. Pandit Jawaharlal Nehru said that we can connect the progress of science and technology with the progress of mind and soul? Technology is being used in the classroom on a large scale. But learning without the guidance of a teacher will seem like a blind man walking without a stick. No machine can take the place of a teacher because the teacher is essential in his place.

Accepting the role of a teacher, Bill Gates said that technology is a machine that can bring children together and become their motivator. But the teacher is the most important. The teacher examines the learner's potential or potential skills and inefficiencies, qualities, traits and challenges. For example, Nikumb Sir, the character of the Bollywood film Tare Zameen Par, recognizes the skill of his student Ishaan.

“We need technology in every classroom and in every student and teacher’s hand, because it is the pen and paper of our time, and it is the lens through which we experience much of our world.”

David Warlick.

Conclusion

“We live in a digital world, but we are fairly analog creatures.”

Omar Ahmad

In the digital age, the learner can acquire knowledge at any time and from any place. The answers to the learner's questions for the learning process can be obtained from books and websites, but a machine cannot understand the learner's needs, brain power level and his condition, as it is said, great teaching and great teacher enthusiasm. Technology cannot take the place of that enthusiastic teacher and should not compete with the teacher but be considered as his assistant. Education without a teacher will seem like a soul without a body. The learner gets satisfaction only by getting his needs and problems solved by the teacher. In today's time, religious and moral values are declining more and only a good teacher can urge the present generation to follow the good path.

Reference:

1. Ahmed, Feroz & Garg, Suresh (2015). Higher Education in Knowledge Era: Innovation, Excellence and Value. New Delhi: Viva Books.
2. Bates, A.W. (Tony). (2015). Teaching in Digital Age. Victoria, BC. BC Campus retrieved from (<http://opentextbc.ca/teachinginadigitalage/.in>).
3. Dahiya, Surender Singh (2009). Educational Technology: Towards Better Teacher performance. Delhi: Shipra Publication.
4. GeorgeT. Tharamma & Jacob, Sunil (2020, February). Teacher in a digital Era: Changing Role and Competences. Journal of Humanities and Social Science, 25(2), 62-64.
5. Hafsah Jan (2017). Teacher of 21st Century: Characteristic and Development. Journal of Research on Humanities and Social Sciences, 7(9), 50-54.
6. Haider, Zargham (2021). Professional Teacher for 21st Century. Journal of Engineering Science and Management Education, 5(2), 480-482.
- 7 Amin, Jayendrakumar N. (2016). Redefining the Role of Teacher in Digital Era. Journal of Indian Psychology, 3(3), 40-45.