

Impact of Technology on Student's Behaviour - Perspective of Teacher Trainees

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ABSTRACT

The use of technology has become part of our daily routine. We use it every day when we talk on our cell phones, take selfies, video chat, play with apps, send emails, etc. It has also changed the basic idea of education and has helped to achieve perfection in the educational field. Technology does not only have positive outcomes, but it also has negative outcomes that are linked to the education of children in the K-12 system. In the present study the researcher is interested to study the impact of technology on the behaviour of students from the point of view of the teacher trainees who are well equipped with the technology. The investigator selected B.Ed. teacher trainees as sample for the present study. It was found that technology is undoubtedly useful in our daily lives, but both teachers and parents need to understand that technology in education comes with its own pros and cons. So it should be used wisely in order to gain its maximum benefit in providing quality education.

Keywords: Impact of Technology, Student's Behaviour, Perspective of Teacher trainees

INTRODUCTION

Technology has become an integral part of our life. It has helped us to improve our lifestyle. Technology has helped us to see the world with the click of the mouse. We use it every day to help us to complete our tasks. The use of technology has become part of our daily routine. We use it every day when we talk on our cell phones, take selfies, video chat, play with apps, send emails, etc. It has also changed the basic idea of education and has helped to achieve perfection in the educational field. Mainly it has helped teachers as well as students in achieving new techniques and ideas of teaching and learning. One of the ways in which the technological advancement has modified the present education system is through the use of smart boards. Ten years back, the situation was completely different. Teachers were using chalk and board method which was later converted to white boards. Presently, teachers are teaching using smart boards which are highly advanced form of learning methods. These boards provide several different methods to teach as well as share information among students. This makes learning and teaching quite effective and convenient. Technology does not only have positive outcomes, but it also has negative outcomes that are linked to the education of children in the K-12 system. In the present study the researcher is interested to study the impact of technology on the behaviour of students from the point of view of the teacher trainees who are well versed with the technology.

NEED AND SIGNIFICANCE OF THE STUDY

It is observed that there are many benefits of using technology in education and they are summed up below;

- Use of technology makes learning easier
- Students understand the concept clearly by using technological devices
- It requires less time to learn the concepts
- Information comes handy whenever needed
- Helps the students to score high marks

On the other side it has certain negative impact also;

- Lack of physical interactivity

- Declining writing skills
- Computer based education cannot be provided in all the places in a country like India
- Children often using computers get physically affected

The students are becoming highly dependent on the devices to complete their work rather than depending on their own knowledge and this is obviously a negative signal towards the growth of education and humanity in the modern world. Therefore the investigator is keen to know the opinion of teacher trainees towards impact of technology on student's behaviour because teacher trainees are going to be the teachers of tomorrow and they have to talk and walk with the technology in order to provide quality education to the students.

TITLE OF THE STUDY

The title of the study is;

Impact of Technology on Student's Behaviour - Perspective of Teacher trainees

OBJECTIVES

The objectives of the study are;

1. To study the impact of technology on student's behaviour.
2. To suggest ways to overcome negative impact of technology on student's behaviour.

SCOPE AND DELIMITATIONS OF THE STUDY

1. The data is collected on the basis of impact of technology on behaviour of students with respect to thinking, social and practical skills.
2. The relevant data for the present study is collected from B.Ed. Teacher trainees of Ulhasnagar area only.

METHODOLOGY

- ✚ **Method** - The researcher used Survey Method to collect data for the present study. The data was collected from B.Ed. Teacher Trainees studying in Ulhasnagar.
- ✚ **Tool** - The researcher constructed questionnaire based on impact of technology on student's behaviour in the form of three areas i.e. Thinking Skills, Social Skills and Practical Skills and created Google form. The questionnaire was comprised of 24 statements. The researcher used three point scale having options Agree, Neutral and Disagree. The statements were based on student's behaviour with respect to thinking, social and practical skills. The teacher trainees submitted the response by selecting appropriate option according to their perspective.
- ✚ **Sample** - The investigator selected 78 B.Ed. teacher trainees as sample for the present study. Convenient Sampling Technique was used for data collection. The tool was administered and the data was collected.
- ✚ **Data Collection** - The relevant data was collected by giving adequate instructions to the B.Ed. Teacher Trainees in order to study their perspective on the impact of technology on student's behaviour.

DATA ANALYSIS AND INTERPRETATION:

The data was tabulated and analysed by finding out the percentage for each statement. The collected data is analysed into three areas i.e. thinking skills, social skills and practical skills.

Table No.1 showing impact of technology on thinking skills of students N=78

Thinking Skills			
Statement	Agree	Neutral	Disagree
Technology has made the education system simple and flexible	74 (94.9%)	4 (5.1%)	-
Students can access huge information due to the use of internet	72 (92.3%)	5 (6.4%)	1 (1.3%)

Thinking Skills			
Statement	Agree	Neutral	Disagree
Increase of technology has led to a decrease in daily reading of text by students	63 (80.8%)	13 (16.7%)	2 (2.5%)
Distance education has become easy due to modern technology	68 (87.2%)	6 (7.7%)	4 (5.1%)
Students are not challenged to think critically when they write content by using digital device	42 (53.8%)	25 (32.1%)	11 (14.1%)
Technological Applications that are used in the classroom increase creativity among students	56 (71.8%)	17 (21.8%)	5 (6.4%)
Attention span of students is affected due to the availability of various forms of technology	54 (69.2%)	17 (21.8%)	7 (9.0%)
Teachers do not focus on quality of instruction when they use digital technology in class	24 (30.8%)	24 (30.8%)	30 (38.4%)
The learners are often misguided due to wrong information available on websites	60 (76.9%)	15 (19.2%)	3 (3.9%)

Table No.2 showing impact of technology on social skills of students N=78

Social Skills			
Statement	Agree	Neutral	Disagree
Students as well as teachers enjoy teaching and learning process in technology environment	65 (83.3%)	13 (16.7%)	-
There is advancement in self esteem of students by gaining mastery over technology based tasks	61 (78.2%)	16 (20.5%)	1 (1.3%)
There is scope for development of discussion in the class due to use of technology	62 (79.5%)	9 (11.5%)	7 (9.0%)
The interaction part is totally eliminated with the use of technology and advanced devices	31 (39.7%)	18 (23.1%)	29 (37.2%)
Students who are constantly using technology may be hesitant to interact with other students	46 (59%)	15 (19.2%)	17 (21.8%)
Students get disconnected from the real world when they use technology in excess	59 (75.6%)	10 (12.9%)	9 (11.5%)
The use of technology promotes collaboration and cooperation among students	48 (61.5%)	23 (29.5%)	7 (9.0%)

Table No.3 showing impact of technology on practical skills of students N=78

Practical Skills			
Statement	Agree	Neutral	Disagree
Students lose the habit of writing due to no writing or very little writing	59 (75.7%)	14 (17.9%)	5 (6.4%)
Multiple media gives choice to the students how to design and do effective presentation	71 (91.0%)	7 (9.0%)	-
Students choose to work on their technology-based projects rather than manual activities	61 (78.2%)	11 (14.1%)	6 (7.7%)
The normal flow of teaching gets disturbed due to connectivity problems in use of technology	57 (73.1%)	13 (16.7%)	8 (10.2%)
Teacher plays the role of facilitator, sets project goals and provides guidelines and resources	69 (88.5%)	7 (9.0%)	2 (2.5%)
Students can demonstrate their learning in better ways through technology as compared to conventional classroom exam	51 (65.4%)	20 (25.6%)	7 (9.0%)

Practical Skills			
Statement	Agree	Neutral	Disagree
The health of students is affected due to electronic radiations of technological devices	68 (87.2%)	9 (11.5%)	1 (1.3%)
Students may suffer from obesity and overweight due to long use of digital devices	59 (75.7%)	15 (19.2%)	4 (5.1%)

MAJOR FINDINGS OF THE STUDY:

I) Findings based on impact of technology on Thinking Skills of students;

1) Majority of the B.Ed. Teacher Trainees responded that;

- ▶ Technology has made the education system simple and flexible,
- ▶ Students can access huge information due to the use of internet,
- ▶ Distance education has become easy due to modern technology,

2) Many B.Ed. Teacher Trainees answered that;

- ▶ *Increase of technology has led to a decrease in daily reading of text by students,*
- ▶ Technological applications used in the classroom increase creativity among students,
- ▶ *The learners are misguided due to wrong information available on websites,*
- ▶ *Attention span of students is affected due to various forms of technology.*

3) Average No. of B.Ed. Teacher Trainees felt that Students do not think critically while writing content by using digital device.

4) Few B.Ed. Teacher Trainees said that teachers do not focus on quality of instruction when they use technology in classroom.

II) Findings based on impact of technology on Social Skills of students;

1) Majority of the B.Ed. Teacher Trainees felt that students as well teachers enjoy teaching and learning process in technology enabled classroom.

2) Many B.Ed. Teacher Trainees responded that;

- ▶ Self esteem of students is improved by completing technology based task,
- ▶ There is scope of discussion in the class due to use of technology,
- ▶ *Students get disconnected from the real world when they use technology in excess,*
- ▶ The use of technology promotes collaboration and co-operation.

3) Average No. of B.Ed. Teacher Trainees answered that students are hesitant to interact with other students due to constant use of technology.

4) Few B.Ed. Teacher Trainees said that interaction is totally eliminated with the use of technology in the classroom.

III) Findings based on impact of technology on Practical Skills of students;

1) Majority of the B.Ed. Teacher Trainees responded that;

- ▶ Multiple media helps students to design and do effective presentation,
- ▶ Teacher plays a role of facilitator and provides guidelines and resources,
- ▶ *The health of the students is affected due to electronic radiation of technological devices.*

2) Many B.Ed. Teacher Trainees answered that;

- ▶ *Students loose the habit of writing,*
- ▶ Students like to work on technology based projects,
- ▶ *The normal flow of teaching gets disturbed due to connectivity problems in use of technology,*
- ▶ Students demonstrate their learning in better ways,
- ▶ *Students may suffer from obesity and overweight due to long use of digital devices.*

CONCLUSION

It can be concluded from the study that Technology is undoubtedly useful in our daily lives, but both teachers and parents need to understand that technology in education comes with its own pros and cons and should be used wisely as a learning tool. It is not substitute to real world interactions. The teacher plays the role of facilitator, setting project goals and providing guidelines and resources, moving from student to student or group to group, providing suggestions and support for student activity. The following are few important ways to help to limit the negative impacts of technology on students;

- Be aware of what student is using technology for,
- Students can take the help of the internet for their studies,
- Guide students for qualitative use of technology,
- Encourage using screen time for games or shows that are educational,
- Develop an open relationship to discuss any concerns,
- Encourage use of imagination,
- Interaction and discussion must be encouraged in the class,
- Be a strong role model yourself when it comes to technology use.

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