



Challenges Faced in Using Technology in Education for Hearing Impaired Children

Abhishek Yadav

Faculty of Special Education, Shri Shah KL Institute for the Deaf, Maharaja Krishnakumarsinhji, Bhavnagar University, Gujarat, India

DOI: <https://doi.org/10.55248/gengpi.2022.31212>

ABSTRACT

The main objective of this study is to provide proper education to the hearing impaired children, from the traditional point of view, hearing Using teaching methods for handicapped children is not enough for education. It is very important to use technology for hearing impaired children, so that hearing impaired children will be able to understand fully in learning. A review of the literature reveals that there is limited use of technology in the education of hearing impaired children. The main objective of this study is to investigate the technology used in the training of hearing impaired children. So that the findings of the study were presented as technologies that contribute to the development of academic and linguistic skills of hearing impaired persons. Analytical method has been used in this study as a qualitative research method.

Key Point- Technology, Hearing Impaired Children and Challenges.

Introduction

- Hearing Impaired Child means that such children who are unable to hear, they face serious difficulties as compared to other children.
- Technology is a device that helps hearing impaired children to hear.
- To make it easier for hearing impaired children to speak and understand non-verbal messages.
- Hearing impaired children are located in the category of children who require special education.
- Makes training more useful for hearing-impaired children.
- Hearing impaired children have to face many problems and they become unable to be functional.
- Hearing impaired children find themselves unable to do even the tasks related to life. The functional disabilities of these children are of the following types.

Personal Functional	Social Functional	Educational Functional
<ul style="list-style-type: none"> ➤ Hearing impaired children are functionally unable to perform individual tasks. ➤ Hearing impaired children are not very active. ➤ Hearing impaired children can understand the feelings of others only through gestures. ➤ Hearing impaired children are not more positive towards life. ➤ The hearing impaired child lacks the will to move forward. ➤ The ability to work together with hearing impaired children and normal children is 	<ul style="list-style-type: none"> ➤ Hearing impaired children are unable to adjust themselves with the society. ➤ It is difficult for them to participate in social work. ➤ Due to inferiority complex, they lack willpower and self-confidence. ➤ Socialization of a hearing impaired child is a difficult task. ➤ The child has more desire to learn. 	<ul style="list-style-type: none"> ➤ Oral development of hearing impaired children is not possible. ➤ Due to lack of oral development, even that much language development is not possible. ➤ Learning is very difficult for them. ➤ Academic IQ is very low. ➤ They acquire knowledge only with the help of signs and gestures.

negligible.		
-------------	--	--

Characteristics of hearing impaired

- Child are more alert in the subjects and tasks of the activity.
- Hearing impaired children sometimes complain of ear pain.
- Hearing impaired children pay attention to the lips and body language of the teacher.
- Hearing impaired children try to listen by turning their heads.
- The hearing impaired child has problems understanding and following verbal instructions.
- Hearing impaired children are unable to hear the sound in the classroom.
- Hearing impaired child has problems in pronunciation.
- The language of the hearing impaired child is not fully developed.

Review of Literature B.Baglana, M.Huseyin& H. Uzunboylu (2018) – This study shows that using only traditional teaching methods for hearing-impaired children is not sufficient for the education of hearing-impaired persons. The use of modern technology makes training more useful for hearing-impaired children. Document analysis method is used in this study as a qualitative research, which contributes to the development of academic and linguistic skills of hearing impaired children.

MS Farooq, Aasma& U. Iftikhar – In this study an attempt was made to find out the effects of assistive devices on learning of hearing impaired students. In which a sample of 200 hearing impaired students was selected to identify assistive devices. To find out the effects of all commonly used assistive devices for hearing impairment were included in the study. Parents of hearing impaired students have also been included in the study. There is a need to reduce the cost of assistive devices used with students.

Rational and Need for the Present study - To know the problems of hearing impaired children in using technology so that these problems can be resolved in future, so that hearing impaired children can become familiar with technology.

AIM OF THE STUDY –

To study the challenges in using technology for children with

Statement of problem- Study of the challenges faced by hearing impaired children in using technology in education

Objectives & Research Questions:

Area	Objectives	Research Questions
Instruction	To Studying the challenges related to instruction in using technology for hearing impaired children.	What are the challenges faced with instruction in using technology for children with hearing impairment?
Communication	To study the challenges related to communication in using technology for children with hearing impairment.	What are the communication challenges faced by hearing impaired children in using technology?

Methodology-

In this study, the problem has been solved in a systematic way by using the researcher's theory. To complete the research one has to use any one research method. Therefore, descriptive method has been used in the present study.

Tool –

In the present study, theory has been used to survey the challenges faced by hearing impaired children in using technology in education of Bhavnagar district. And in the present study, instructions and communication have been studied using observation, through this theory, the challenges faced by hearing impaired children in using technology in education have been studied.

Area is...

- Instructions
- Communication

Data Analysis –

The study of this research has analyzed the challenges faced by hearing impaired children in using technology in education keeping in mind the theoretical aspects.

Finding- In the present study

We have seen the challenges faced by the hearing impaired children in using technology in education through the observation that the hearing impaired children face problems in using technology, so that the hearing impaired children do not become teachers. They do not understand the instructions given by the teacher very well, due to which hearing impaired children have to face difficulty in understanding.

Conclusion

- What are the challenges related to instructions in using technology for hearing impaired children – In the present study, hearing impaired children were directly observed and it was found that hearing impaired children, when the teacher, when in the classroom computer room In giving instructions, the child was repeatedly broken and needed to be told about the same thing again and again.
- What are the challenges related to communication in using technology for hearing impaired children - In the present study, hearing impaired children were directly observed and it was found that hearing impaired children were not able to communicate when the teachers were in the classroom computer room. Used to break repeatedly in communication and there is a need to tell about the same thing again and again. Due to which such a child has to face problem in doing any work.

References

- Disability of Hearing Impaired Children (YNK) <https://sarkariguider.in/>
- B. Baglama, MeltemHaksiz, HuseyinUzunboylu (2018) Technologies Used in Education ofHearing Impaired Individuals <file:///C:/Users/Acer/Desktop/8303-29408-1-PB.pdf>
- MS Farooq, Aasma& U. Iftikhar (2015) Learning through Assistive Devices: A Case of Students with Hearing Impairment <https://files.eric.ed.gov/fulltext/EJ1210345.pdf>