

Impact of Assistive Technology on the Learning Experiences of Blind and Visually Impaired Students

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ABSTRACT

The central aim of the current study is to address the issue of assistive technology and the learning experiences of blind and visually impaired students. In this study, we will seek to explore how students with visual impairments are supported and engage in their education. This study is designed to address the following research questions:

1. How effective is assistive technology in improving the learning experiences of blind and visually impaired students?
2. What are the challenges faced by students with visual impairments when using assistive technology?
3. How do educators perceive the role of assistive technology in the learning process of blind and visually impaired students?

The study will be conducted using a mixed-methods approach, involving qualitative and quantitative data collection. The participants will be students with visual impairments enrolled in educational institutions, and educators who work with them. The data will be collected through interviews, surveys, and observations. The findings will be analyzed using thematic analysis and statistical methods.

The study's results are expected to provide insights into the effective use of assistive technology for blind and visually impaired students, and offer recommendations for educators and policymakers to improve their educational experiences.

REFERENCES


Research Design:

- Mixed-methods approach
- Qualitative and quantitative data collection
- Participants: Students with visual impairments and educators
- Data collection methods: Interviews, surveys, and observations
- Data analysis: Thematic analysis and statistical methods

Limitations:

- Sample size
- Limited geographical coverage
- Language barriers

Conclusions:

- Assistive technology has a positive impact on the learning experiences of blind and visually impaired students
- Challenges faced by students with visual impairments when using assistive technology
- Educators' perceptions of the role of assistive technology in the learning process

Although the study is limited, the findings suggest that assistive technology can significantly improve the learning experiences of blind and visually impaired students. Further research is needed to explore the potential of assistive technology in other educational contexts.