

Design of assistive devices for the visually impaired

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Abstract: In the context of an increasing number of visually impaired people needing effective support in daily life, this topic focuses on designing and implementing an advanced support system. The objective of the research is to create a solution that improves access to information and the surrounding environment for visually impaired people by integrating sensor technologies, AI, and IoT. The research method combines theory with experimentation to ensure the system's effectiveness and practical application. The expected result is an optimal support system that enhances the quality of life for visually impaired people and makes a significant contribution to the field of assistive technology for people with disabilities.

Keywords: Support for the visually impaired, AI technology, IoT, sensors, vision restoration devices