Design of a navigation support system for visually impaired people on mobile devices

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Abstract: In the context of the increasing number of visually impaired people, the issue of orientation and navigation for them has become urgent. This project aims to build a navigation support system based on mobile devices, leveraging GPS technology and proximity sensors to provide accurate positioning information. The research method combines both theory and experimentation, ensuring the system's effectiveness in practice. Through this, the project hopes to make a significant contribution to improving the quality of life for visually impaired people.

Keywords: navigation system, GPS, mobile device, proximity sensor, visually impaired person