Wheelchair Guidance and Assistance System App

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Abstract*: This research paper focuses on the development of a wheelchair guidance and assistance system app designed to enhance the mobility and independence of individuals with disabilities. The app utilizes advanced technology such as GPS tracking, mapping, and real-time communication to provide users with optimal routes, accessibility information, and assistance in navigating obstacles. The study explores the impact of the app on the quality of life, safety, and autonomy of wheelchair users. Data collection methods include surveys, interviews, and user testing to evaluate the effectiveness and usability of the app. Findings suggest that the wheelchair guidance and assistance system app has the potential to significantly improve the mobility and overall well-being of individuals with disabilities.*

Keywords: Android Application, Bluetooth Module, Wifi Module, Obstacles Avoidance, Safety

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681