Abstract

Traveling is an integral task in our day-to-day life. Visually challenged people face various challenges to travel alone. Our project, Convoy, is an Android application developed for navigation to assist visually challenged individuals in traveling and ensuring their safety. The main scope is to provide an interactive interface for visually challenged users and to help them while traveling in familiar and unfamiliar environments independently and safely using the Global Positioning System (GPS). The user will enter the destination by using vocal commands, and the app will provide voice directions for navigation. When the user suspects danger or an insecure situation, they can send an SMS (Short Message Service) to the registered contact with its current location immediately. Thus, the use of the application will surely ease some of the difficulties faced by visually challenged individuals and can help them achieve an independent livelihood.

References


Index Terms

Computer Science
Artificial Intelligence

Keywords

Convoy, Global Positioning System (GPS), SMS