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 for traveling and security. The main scope is to provide an interactive interface for visually challenged people and to help them while traveling in familiar and unfamiliar environments independently and safely using Global Positioning System (GPS). The user will enter the destination by vocal commands and the app will give voice directions for navigation. When the user suspects danger or an insecure situation, he 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 users and can help them in achieving an independent livelihood.

References


**Index Terms**

Computer Science  
Artificial Intelligence

**Keywords**

Convoy, Global Positioning System (GPS), SMS