Abstract

Sighted individuals possess the ability to navigate their surroundings with ease and utilize their visual facility to promptly identify potential hazards. Conversely, individuals who are visually impaired are unable to perceive the external environment, traverse independently, or discern danger. Moreover, they may occasionally feel distressed and wish to notify their family or friends of their location via text. So, the primary challenge faced by visually impaired individuals is their reliance on others, as even their closest relatives may not always be able to provide adequate care. To address this issue, a "Smart Stick" would be developed utilizing the "Internet of Things". The Internet of Things used in Smart Stick enable visually impaired individuals to regain their independence and restore a sense of normalcy through the use of various sensors, including ultrasonic, soil moisture, RF, and GSM modules.

Keywords: Smart Stick, User Notification Setup, Location.