**Smart Stick for Blind People**

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**Abstract**

The smart stick for the blind as the name suggests is a device for the visually impaired to guide the user to their respective destination and avoiding to collide with obstacles. It uses two ultrasonic sensors HC SR 04 to detect the depth below or the obstacles in between. In this Smart stick, there is a sensor that senses the obstacles or walls from a 1 or half-meter range then this stick vibrates & makes a buzzing sound. This Smart Stick warns the blind person that there is an obstacle or wall in front of him/her. Then that person will be warned about obstacles or walls. The advantage of our project is that it can detect any obstacle with the help of an ultrasonic sensor and it can provide the correct location of obstacles by using the GPS. Thus it will help blind people when they are walking outside from their home.

***Keywords: GPS Module, SMS, Navigation, IOT, Cloud storage, Time efficiency.***