SMART ULTRASONIC BLIND STICK

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ABSTRACT

There are more than 12 millions of peoples are struggling to live their everyday life eye blindness. Permanent eye blindness is a major problem for humans. To rectify this problem we have made a smart ultrasonic blind stick which will be definitely useful for blind peoples, this blind stick not like ordinary blind stick rather this uses an ultrasonic sensor working preciously with the help of Arduino. This is smart as well as cheap invention so that it's not only for rich peoples will be applicable for middle and low class peoples also. The ultra-sonic sensor detects the obstacles facing in front of people and triggers them with a high pitch beep sound with small amount of vibration occurs in the stick. So, that the person could recognize that there is an obstacle in front of him. This technology will help many people who is suffering form permanent or partial blindness.
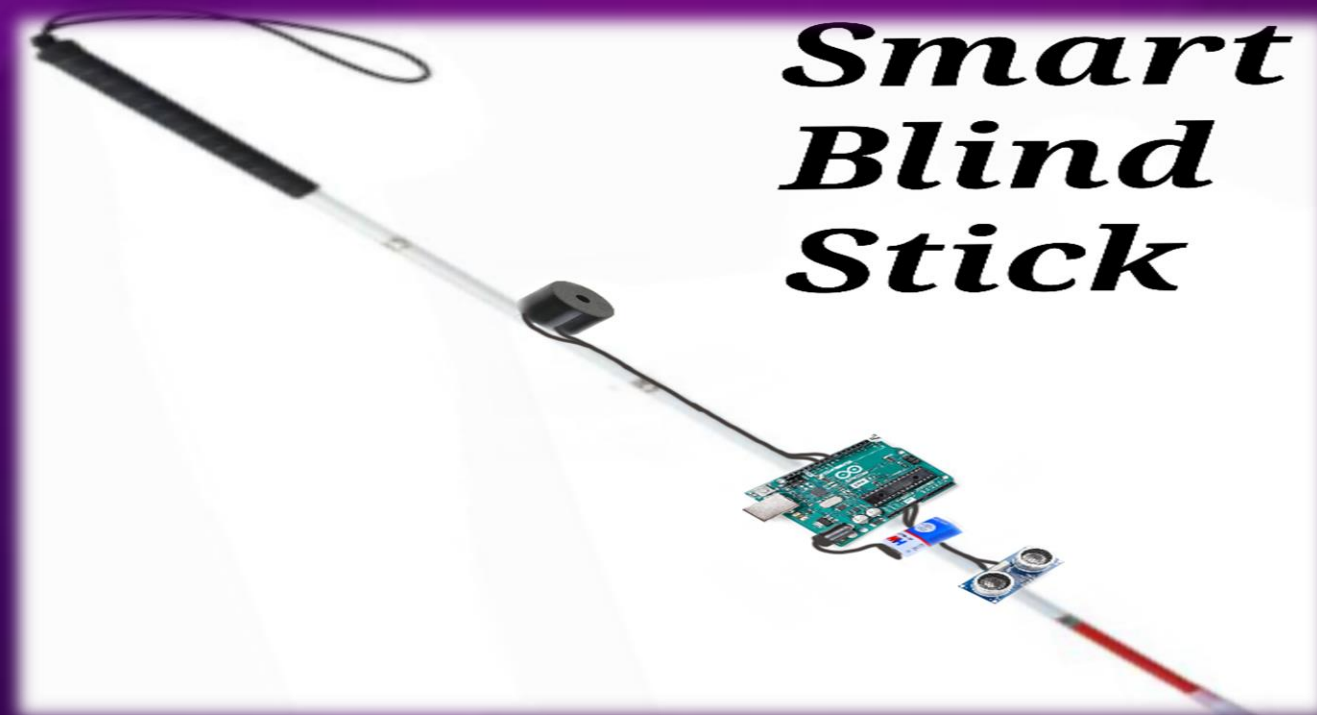
Problem Statement Addressed

A suitable walker gadget for peoples who is suffering from eye blindness. In INDIA more than 400+ accidents held everyday this is hazard for both drivers and blind people in publics.
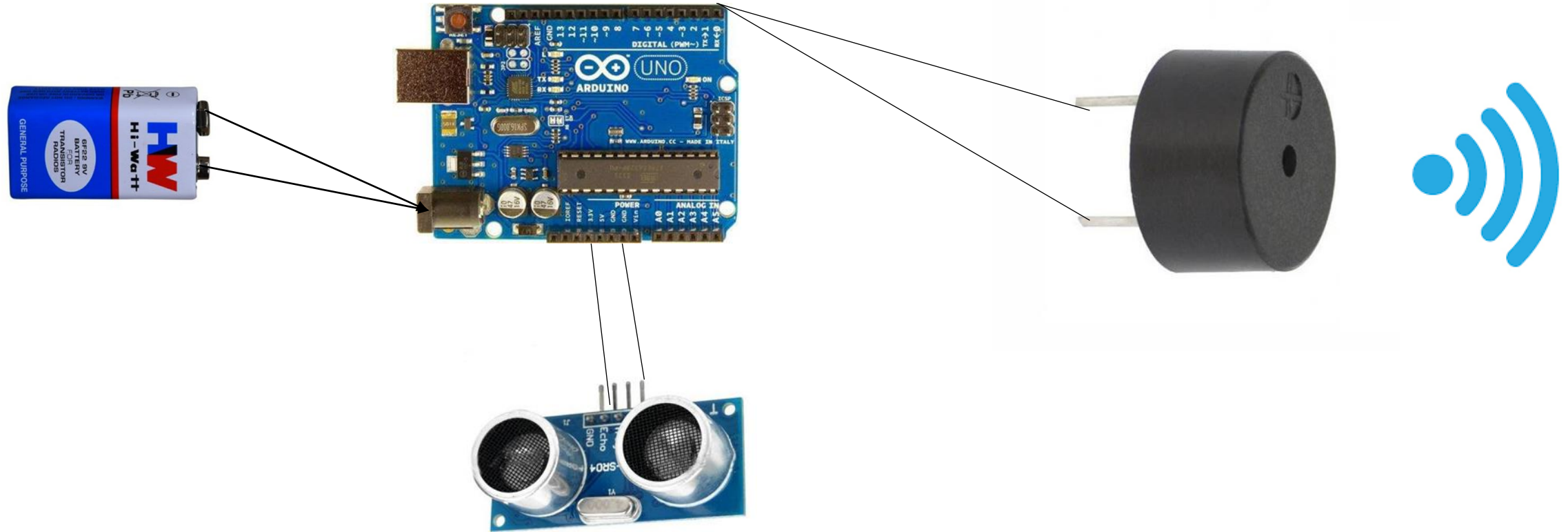
ANALYSIS OF RESULTS & DISCUSSIONS

- *smart ultrasonic blind stick which will be definitely useful for blind peoples, this blind stick not like ordinary blind stick rather this uses an ultrasonic sensor working preciously with the help of Arduino. This is smart as well as cheap invention so that it's not only for rich peoples will be applicable for middle and low class peoples also. The ultrasonic sensor detects the obstacles facing in front of people and triggers them with a high pitch beep sound with small amount of vibration occurs in the stick. So, that the person could recognize that there is an obstacle in front of him. This technology will help many people who is suffering form permanent or partial blindness.*

Proposed Solution to the Problem Addressed

Instead of using an ordinary blind stick we have proposed a smart ultrasonic blind stick which is a intelligent blind stick that alerts the people using it if there is any physical obstacles in front of them.

Smart Blind Stick

Block Diagram and/or Circuit Diagram

Prototype & Sample Output