**Blind’s Smart Eye!**

**Introduction:**

Blind smart eye is an innovative stick designed for visually disabled people for improved navigation. We here propose an advanced blind smart eye that allows visually challenged people to navigate with ease using advanced technology. The blind stick is integrated with ultrasonic sensor . Our proposed project first uses ultrasonic sensors to detect obstacles ahead using ultrasonic waves. On sensing obstacles the sensor passes this data to the microcontroller. The microcontroller then processes this data and calculates if the obstacle is close enough. If the obstacle is not that close the circuit does nothing. If the obstacle is close the microcontroller detects and sounds a buzzer and alerts the blind.

**Features:**

* Cost Effective.
* Easy to use and maintain.
* Manually operated.
* Make blinds self- dependent to do their daily chores.
* Secure and comfortable

**Specifications:**

Hardware used:

* Arduino UNO
* Ultrasonic sensor
* Buzzer.

**Benefits:**

The advantage of the blind’s smart eye lies in the fact that it can prove to be a very low cost solution to millions of blind person worldwide.



