



SmartCane has changed lives . .

"It feels great to be able to move around alone. I no more need to hold anyone's hand for my mobility. I can just be myself. Family and friends now have the confidence in me that I can travel independently without getting hurt or injured"

- Indirani Sankari from Mumbai, India

"The device is really helping my son in becoming more mobile. He is able to move independently now."

- A mother of a boy from Jamaica, Caribbean

[Wish to procure / donate a SmartCane device or become a community partner?](#)

Log into [www.smartcane.saksham.org](http://www.smartcane.saksham.org)

Write to us [smartcane@saksham.org](mailto:smartcane@saksham.org)

Reach us at +91-959962505 / +91 -11-64650655

SmartCane team will make procurement and training simple by directing you to the closest partner organization. Door delivery along with remote training over phone or internet is also available.

[Interested in becoming a commercial distributor ?](#)

Write to us [smartcane@pmsind.com](mailto:smartcane@pmsind.com)

Reach us at +91 - 44 - 22250194 / 22250248

#### AWARDS & MEDIA RECOGNITION

Awarded as one of the 35 most impactful global innovations of 2015 by MIT technology review magazine.  
Awarded a National Award by Govt. of India for of best applied product development aimed at improving life of persons with disabilities.  
Awarded Manthan Award under the category of e-Inclusion and Accessibility



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# SmartCane™ Device

SAFE, INDEPENDENT MOBILITY WITH DIGNITY



Technology developed by



Manufactured by



Distributed by



Supported by



SmartCane™ device is an electronic travel aid for persons with visual impairment. It fits on the top fold of a standard white cane and pre-warns about the presence of obstacles from knee to head height, which cannot be detected with a normal white cane.

It uses ultrasonic sensors to detect obstacles within a distance of 3 metres and conveys distance information through distinct vibratory patterns. This enables a persons to negotiate the obstacles from a safe distance without actually touching or bumping into it and thus preventing unwanted contact. Injuries resulting from collisions with over-hanging and protruding obstacles such as tree branches, signboards, window mounted air conditioners and coolers, open glass windows and glass doors can be easily avoided.

SmartCane™ device is easy to learn and use. With basic training and orientation, any person with visual impairment who is a regular user of a white cane can effectively use it for safer independent mobility with dignity.

Self-learning resources in multiple regional as well as international languages are available for free download from [www.smartcane.saksham.org](http://www.smartcane.saksham.org) and also accompany the device. Braille manual is also available on request. Face to face training is also provided by Saksham and more than 50 partner organizations across the country as well as in many other countries.

SmartCane™ device comes with one year warranty. Service assistance is available across India through the network of community partner organizations and also in several other countries

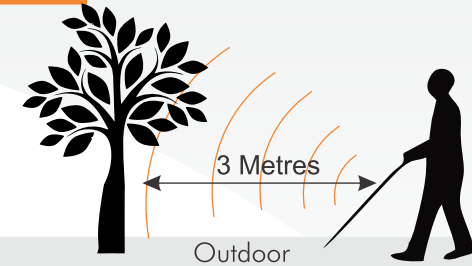
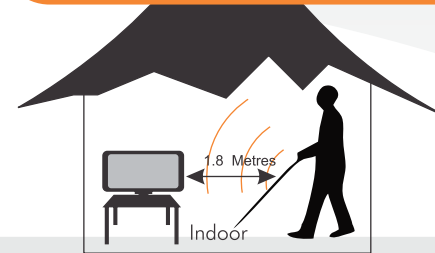
#### > USE CASES

- Detecting and avoiding collisions with low-hanging tree branches, advertisement boards, parked vehicles, street animals, open glass windows etc..
- Finding path through corridors, half open gates etc..
- Detecting fast approaching objects like a reversing vehicle
- Avoid making unwanted personal contact
- Maintaining safe distance from those walking ahead
- Following a queue during security checks or purchasing tickets at airports, metro and railway stations

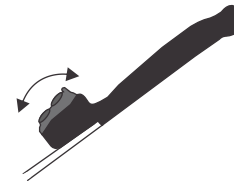


## Features

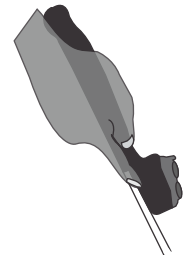
- 1) Two modes of detection range with intuitive vibratory patterns to convey obstacle distance information



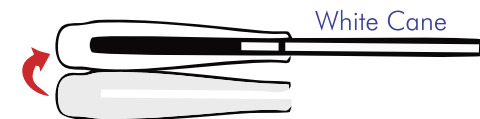
- 2) Adjustable sensor mechanism  
Protects user of different heights



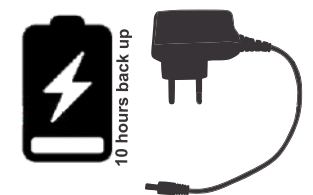
- 3) Ergonomic grip  
No need to change gripping style



- 4) Easy attachment and detachment  
from compatible white cane



- 5) Inbuilt rechargeable battery  
with 10 hours back up



- 6) Affordable

