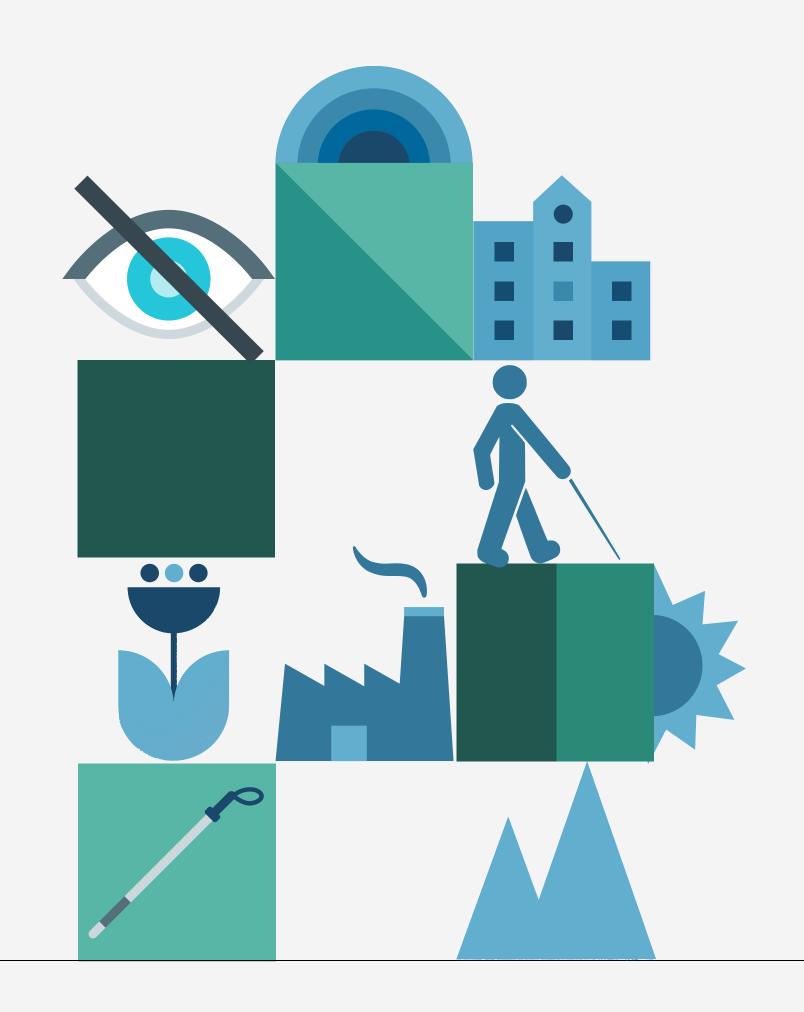


HAPNAV

MAKING A BETTER PLACE FOR EVERYONE

Join us for a dive into the future of accessibility.



Current Scenario

World Health Organization

01

Globally, at least 2.2 billion people have a near or distance vision impairment.

02

Population growth and ageing are expected to increase the risk that more people acquire vision impairment.

03

In the case of older adults, vision impairment can contribute to social isolation, difficulty walking, a higher risk of falls and fractures, and a greater likelihood of early entry into nursing or care homes.

Basics of Blind Blind Navigation





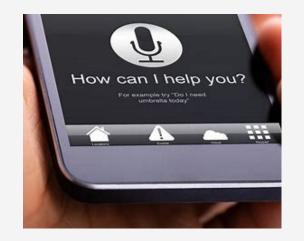
Cane

The most popular way for blind people to navigate their environment



Guide Dog

A loyal companion for the blind and a trusted assistant for navigation



Voice Assistants

Smart tools that can guide users and provide helpful information through voice commands.



Our Solution HapNav

- A wearable navigation device for blind or visually impaired people based on haptic feedback sensors.
- Sensor and camera-based path planning and object avoidance
- Making it possible to navigate in any unknown environment

The Technology of Haptics

What are haptics?

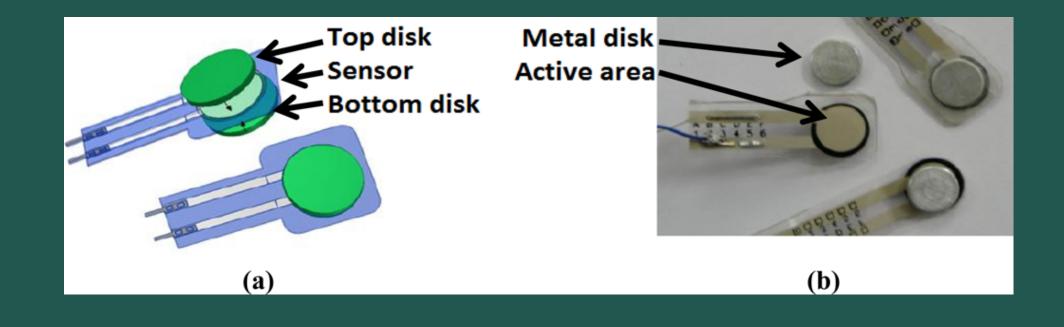
The science of touch and its potential for wearable technology

Haptic Feedback

The technology that allows wearables to communicate through touch and vibration

Benefits of Haptics

Better communication, enhanced safety, and greater immersion are just some of the advantages of this technology.



Accessibility Beyond Disability

The Future

 Astronauts have used haptic sensors to navigate and explore in space, where sight is limited and touch is key.

 Researchers are developing devices that can translate sound into touch or vibration, allowing the deaf to "hear" their surroundings.

Smart Cities

Blind navigation and haptic sensors can help all people navigate cities, including the elderly and those with temporary disabilities.

Travel and Tourism

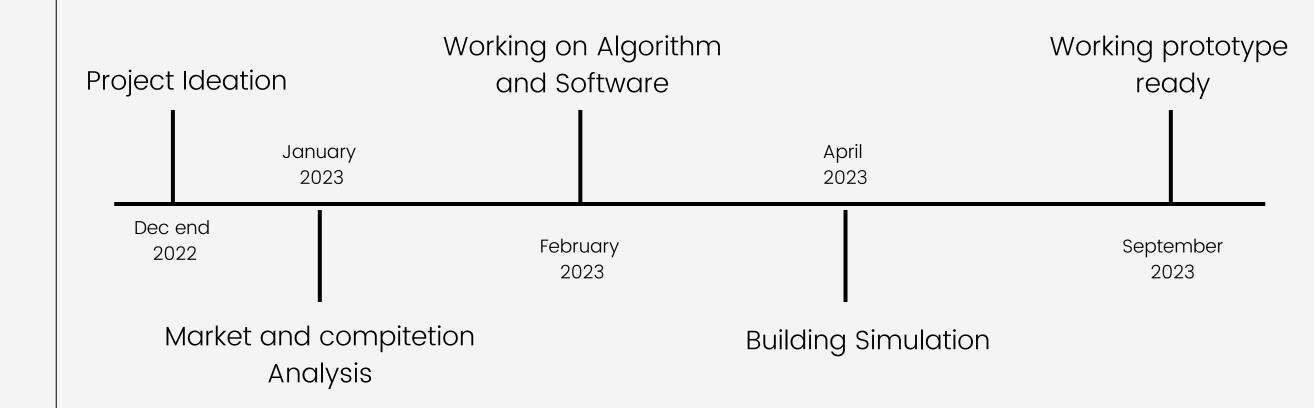
Tourist attractions and airports can use haptic sensors to improve navigation and accessibility for all visitors.

Improved Safety

Haptic sensors can provide tactile feedback to alert drivers, pilots, and train conductors to potential safety hazards.

Timeline

Accessible design is not just a moral obligation, it is a creative opportunity to design better products and services for all.



The Team



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