

# MODERN DAY APPS AND HCI PROJECT



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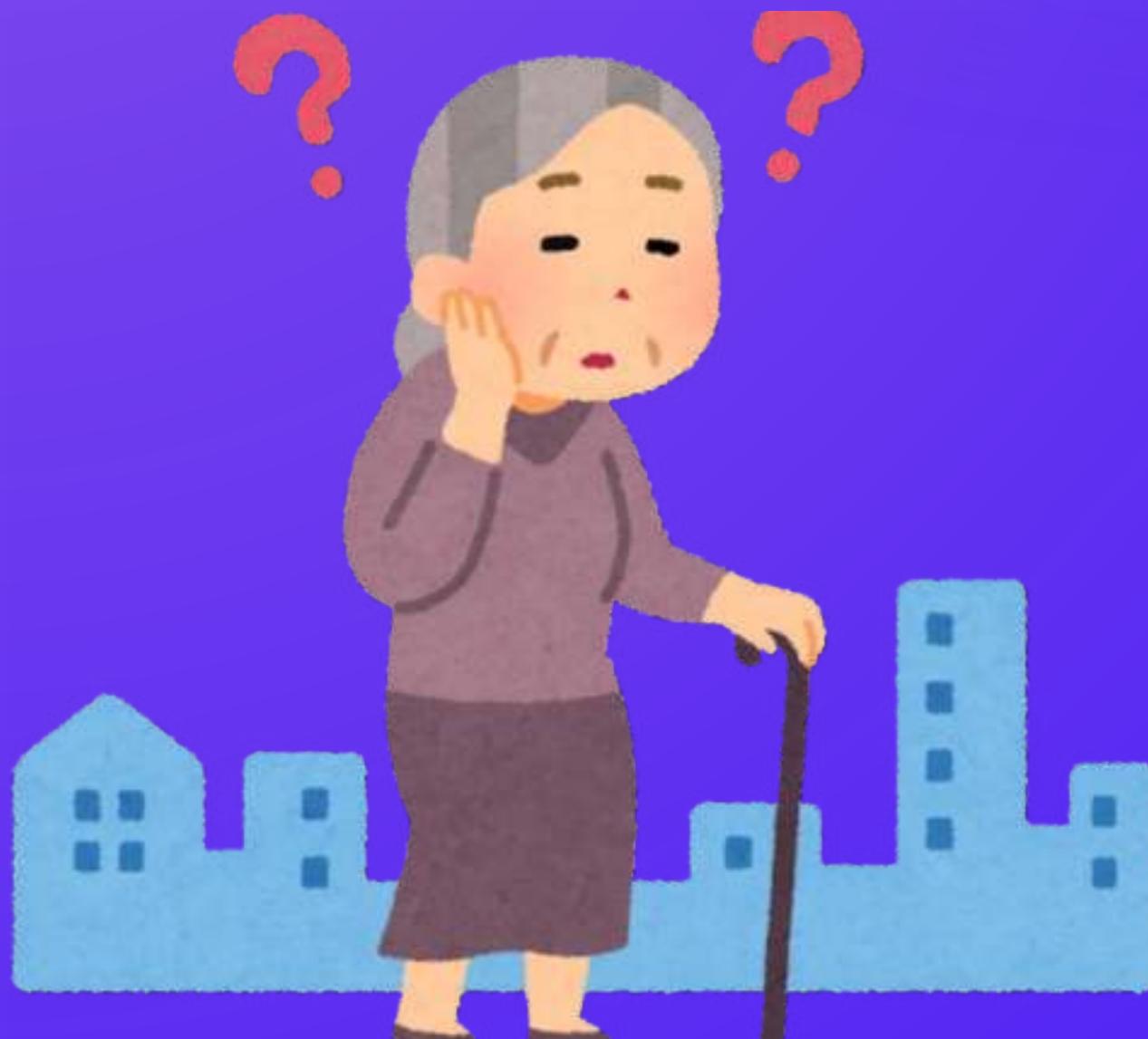
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# INTRODUCTION

In our busy lives nowadays, with work and school taking up most of our time, we're constantly on the move trying to get things done. Even when we want to hit up our go-to spots like restaurants or shops, it feels like we're always forgetting how to get there and relying too much on our phones to find our way. And let's be real, getting lost is practically a guarantee when we're in a new area or county.



# PROBLEM STATEMENT



We all know what it's like to get totally turned around and end up going the wrong way, right? It happens to the best of us! But imagine how tough it is for folks who can't even see where they're going, it's a real struggle. That's why we came up with this awesome product. It's not just for helping out those who are visually impaired, but it's handy for anyone who needs a little help finding their way around.

# EXAMPLES OF WEARABLE TECHNOLOGY



## Apple Watch:

The Apple Watch is a great wearable because it's like having a mini-computer on your wrist. It can track your health, remind you of things, and even let you make calls without needing your phone nearby.



## Samsung Ring:

Samsung Ring is a great wearable because it's small and lightweight, making it comfortable to wear all day. It can track your fitness, monitor your health, and even make payments with a tap. Plus, it has a sleek design and long battery life, so you don't have to worry about charging it often.



## Boss Headphones:

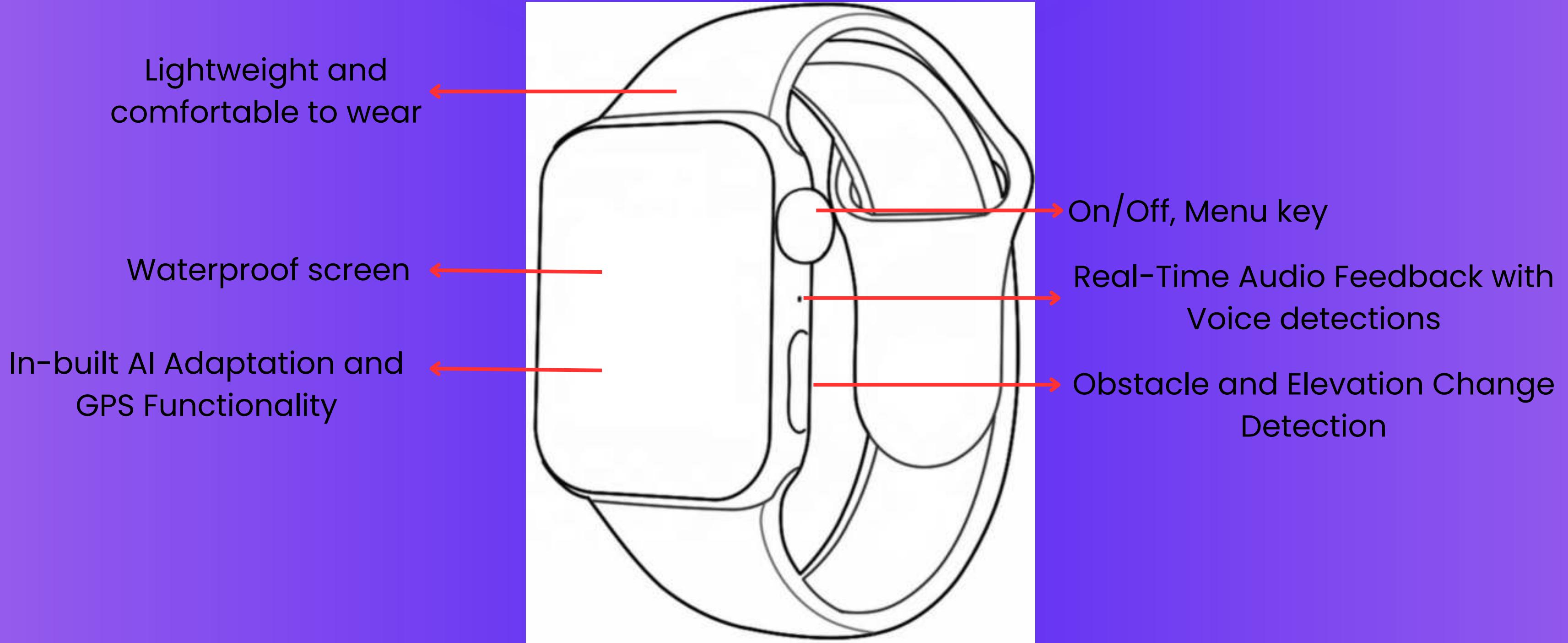
Boss headphones is a great wearable because it lets you listen to music or take calls hands-free, making it convenient and safe, especially when you're on the go. It also often has features like noise cancellation, which can help you focus better or enjoy your music without distractions.

# OUR PRODUCT AND WHY IT IS NEEDED

Introducing “EcoGuide” a new wrist gadget that combines AI with technology to help you find your way around in real time. It's super comfy to wear, lightweight, and fits just right. With its smart sensors, EcoGuide can spot obstacles and tricky terrain as you go, giving you helpful audio cues to keep you safe. Plus, it's got GPS built in, so you can plan your route and keep track of where you're going with ease. Even for folks who can't hear, there are heart rate sensors on smartwatches, on the bottom of the watch. They can pick up hand movements and translate them into sign language using a robot voice. This great product will not just the visually impaired individuals, but so everyone in need of it.



# PROTOTYPE



# OUR FINISHED PRODUCT



EcoGuide

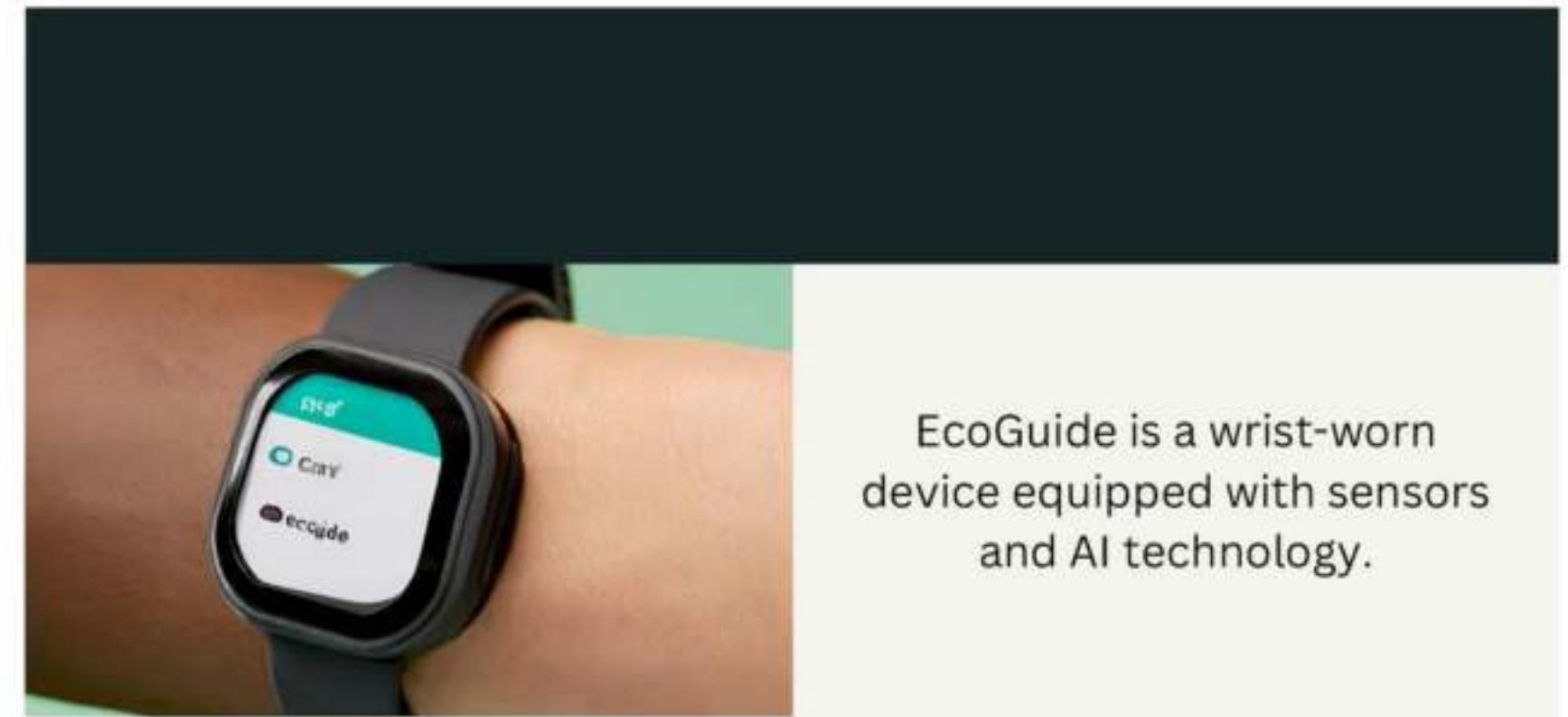
# STORYBOARD-1

## EcoGuide



Meet Sarah, a visually impaired individual who is struggling to navigate her way around a bustling city street.

Introducing EcoGuide - The Sustainable Navigator.

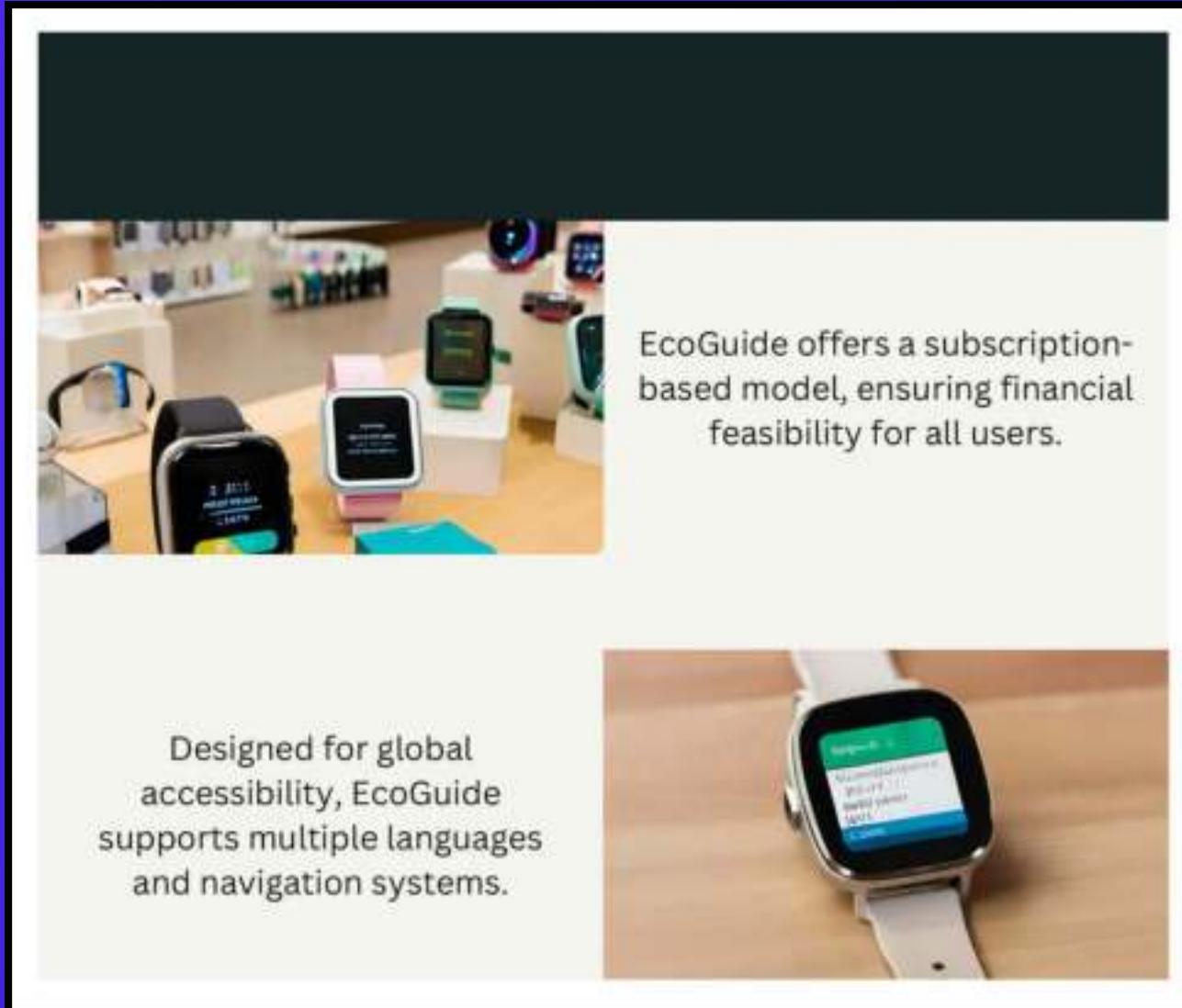
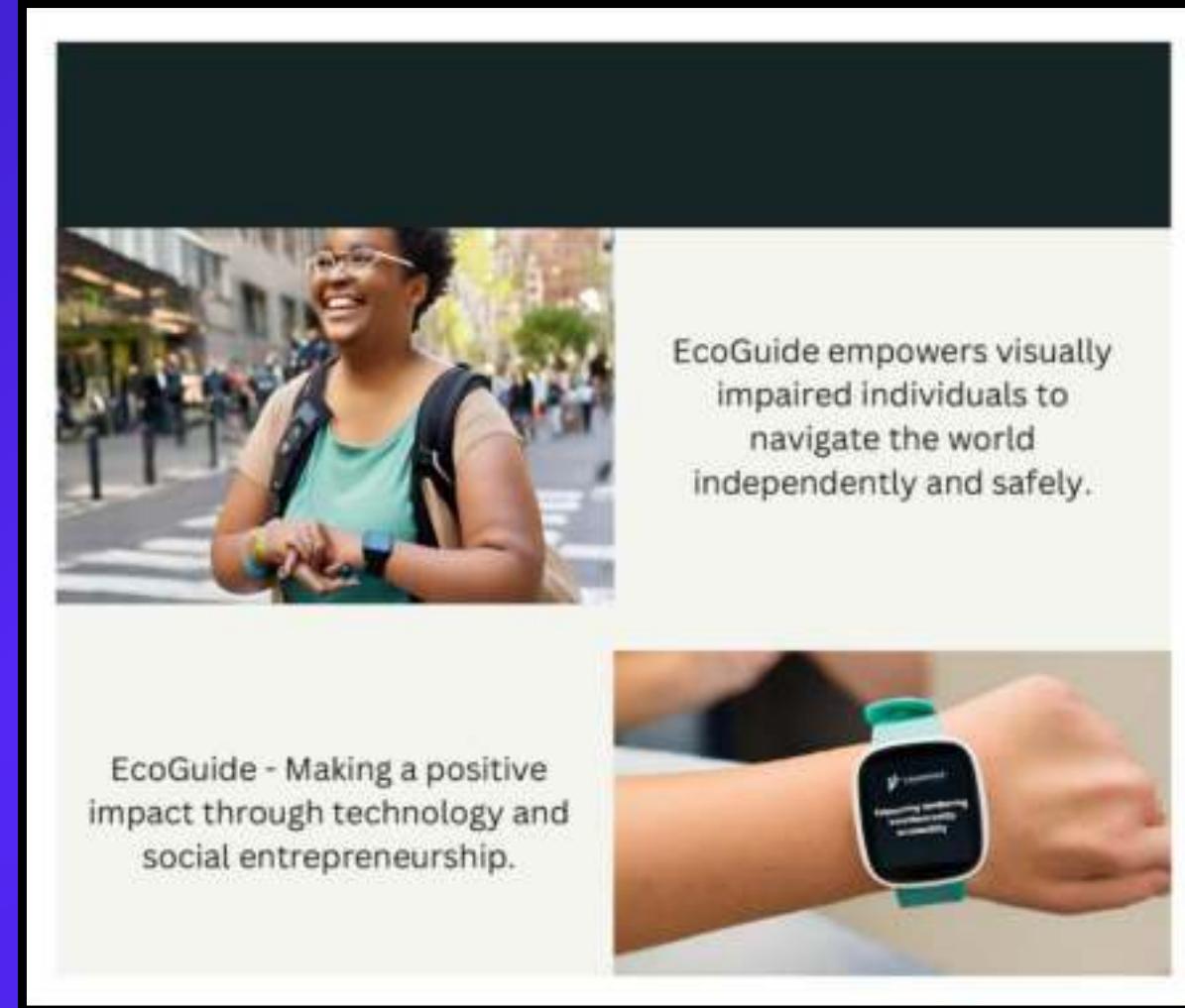
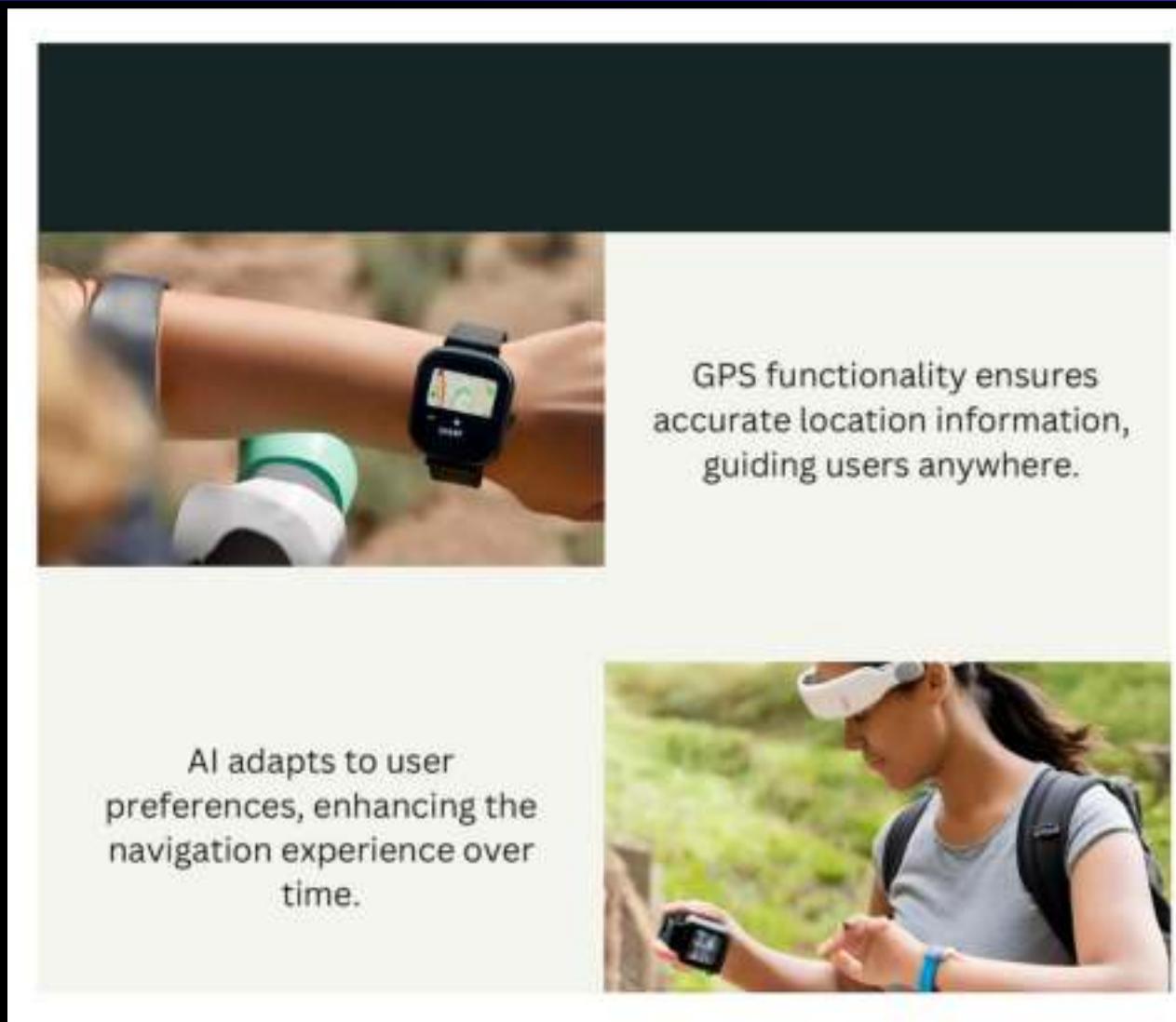


EcoGuide is a wrist-worn device equipped with sensors and AI technology.

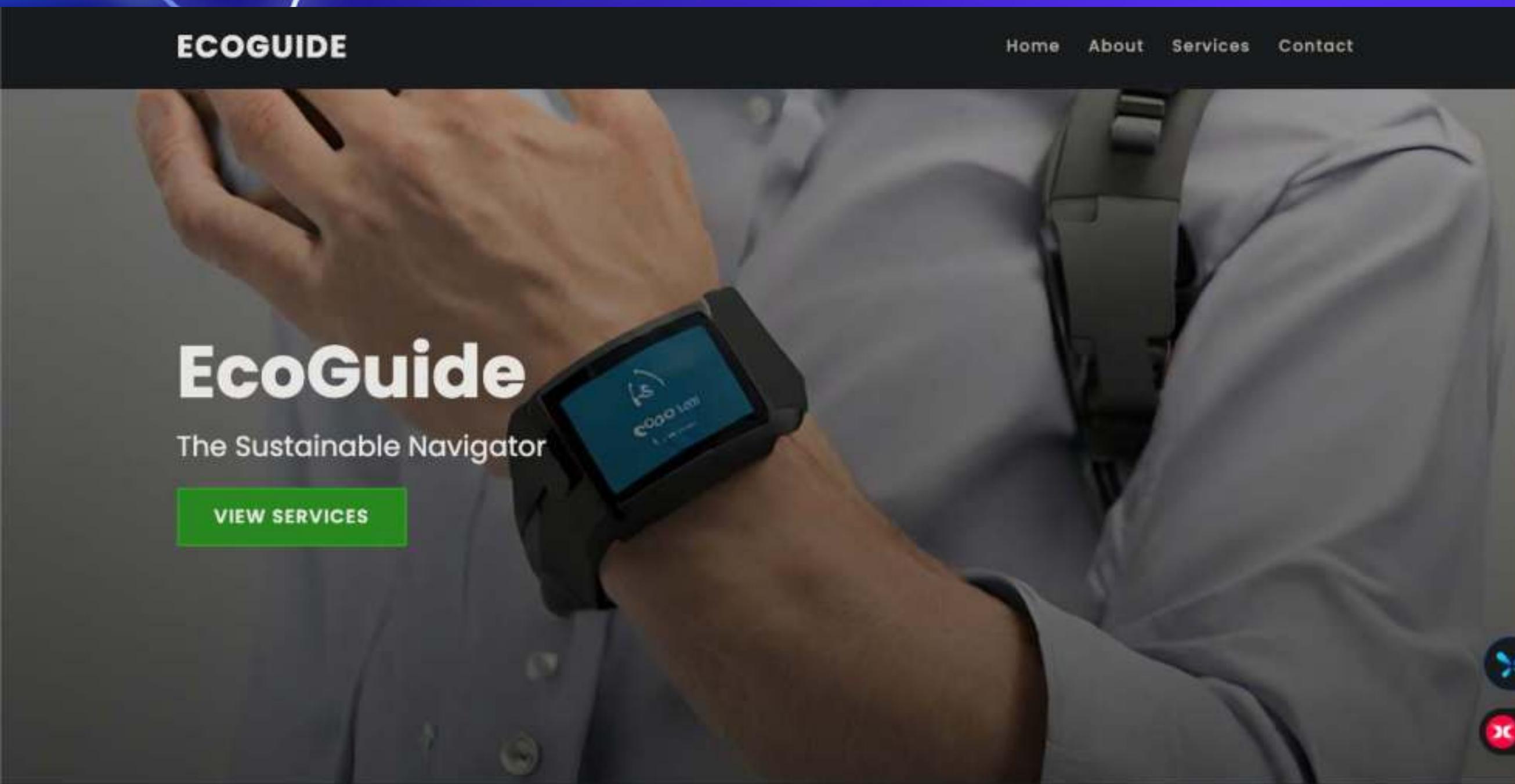
With AI assistance, EcoGuide detects obstacles and provides real-time audio feedback.



# STORYBOARD-2



# WEBSITE SCREENSHOTS-1



The screenshot shows a man's arm and shoulder. He is wearing a dark grey jacket over a light-colored shirt. On his left wrist, he wears a black smartwatch. The watch screen displays the "EcoGuide" logo, which includes a stylized blue "E" and the text "EcoGuide" below it. At the top of the page, there is a dark navigation bar with the word "ECOGUIDE" in white capital letters on the left. To the right of the navigation bar are four white links: "Home", "About", "Services", and "Contact". Below the navigation bar, the main content area features the word "EcoGuide" in large, bold, white capital letters. Underneath it, the text "The Sustainable Navigator" is written in a smaller, white, sans-serif font. At the bottom left of this section is a green rectangular button with the white text "VIEW SERVICES". To the right of the main content area, there is a vertical sidebar with some text and icons. The text reads: "EcoGuide not only provides a valuable service to visually impaired individuals but also embodies the principles of social entrepreneurship by leveraging technology to create a positive impact on society." Below this text are three circular icons: a blue one with a white cross-like symbol, a white one with a blue checkmark, and a red one with a white X. At the very bottom of the sidebar, the text "Get in touch" is visible.

ECOGUIDE

Home About Services Contact

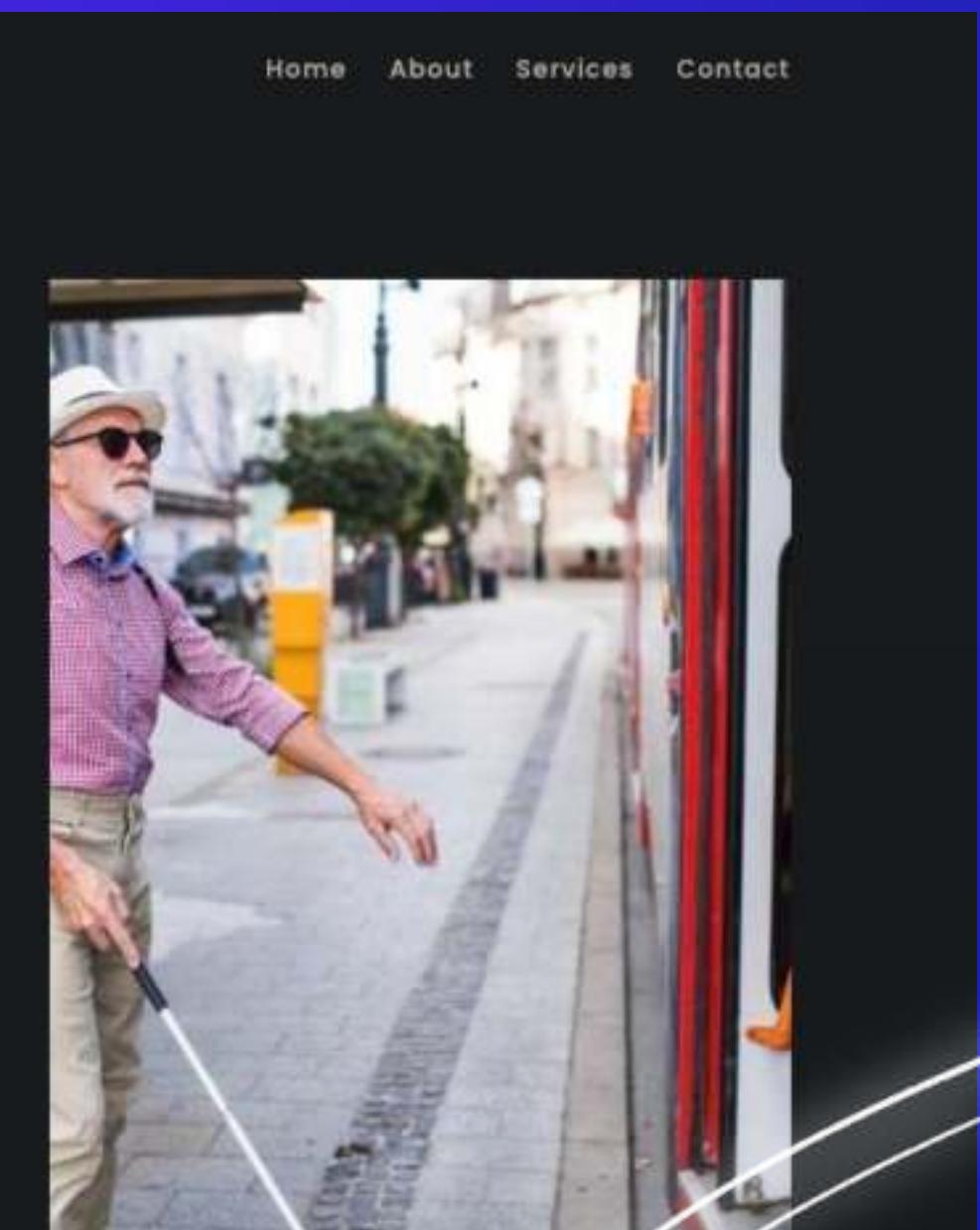
# EcoGuide

The Sustainable Navigator

[VIEW SERVICES](#)

EcoGuide not only provides a valuable service to visually impaired individuals but also embodies the principles of social entrepreneurship by leveraging technology to create a positive impact on society.

Get in touch



# WEBSITE SCREENSHOTS - 2

ECOGUIDE

Home About Services Contact

## Human Computer Interaction



### AI integration >

AI is vital in boosting EcoGuide's HCI. By analyzing sensor data, it offers specific feedback about obstacles, like size and distance, aiding navigation. Over time, it learns from interactions to refine its guidance, catering to the user's habits and surroundings for a more intuitive experience.

### Financial Feasibility: >

To ensure financial feasibility and accessibility, EcoGuide can be offered as a subscription-based service with affordable monthly payments. Additionally, partnerships with government agencies, non-profit organizations, and corporate sponsors can help subsidize the cost for users in need, making the device accessible to a wider audience.

### Global Accessibility: >

EcoGuide is designed to be globally accessible, with multilingual support and compatibility with various navigation systems worldwide. By keeping the device's design simple and intuitive, it can be easily adopted by users from diverse backgrounds and regions.

Our website!

<https://ecoguide.b12sites.com/index>

ECOGUIDE

### GET IN TOUCH

**Feel free to give us a call or send us an email with your questions or comments.**

We would love to hear from you, whether you're interested in working with our team or pursuing a career with us.

Name \*

Jane Smith

Email address \*

email@website.com

Phone number \*

555-555-5555

Message

Home About Services Contact

### Get in touch

✉ [adak@gmail.com](mailto:adak@gmail.com)

### Location

📍 Surat, GJ, IN

### Hours

Monday	9:00am – 10:00pm
Tuesday	9:00am – 10:00pm
Wednesday	9:00am – 10:00pm
Thursday	9:00am – 10:00pm
Friday	9:00am – 10:00pm
Saturday	9:00am – 6:00pm



## CONCLUSION

To wrap it up, EcoGuide is a great product in assistive tech, tackling navigation problems for visually impaired folks and everyone else head-on. It blends AI and user-friendly design to give a handy solution that doesn't just make getting around easier but also boosts confidence and freedom. With your backing, we can keep tweaking and growing EcoGuide, making sure it stays a go-to tool for all individuals everywhere.



# REFERENCES

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# THANK YOU!

- PPT- Azmah
- website- Kartavya
- Prototype- Aarav
- Storyboard- Darsh

