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ENVISION

"Blindness is an unfortunate handicap but true vision does not require the eyes."

~ Helen Keller

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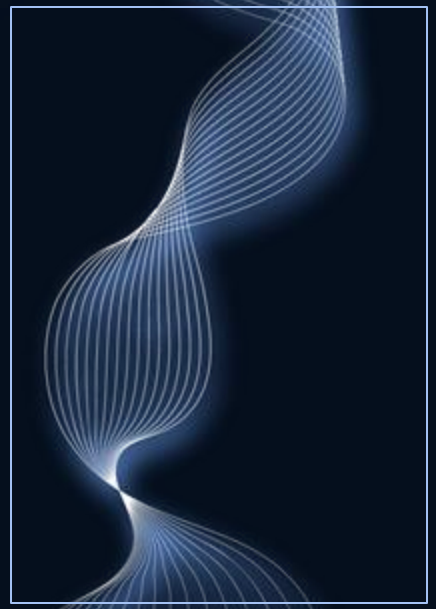
MISSION STATEMENT

This technology is intended to help persons who are visually impaired navigate and identify their surroundings more readily and prevent injuries caused by obstacles.



PRODUCT OVERVIEW

INDEPENDENT

It is a device that integrates advanced imaging and audio technologies to enhance interaction with surroundings.

EXTEND SENSES

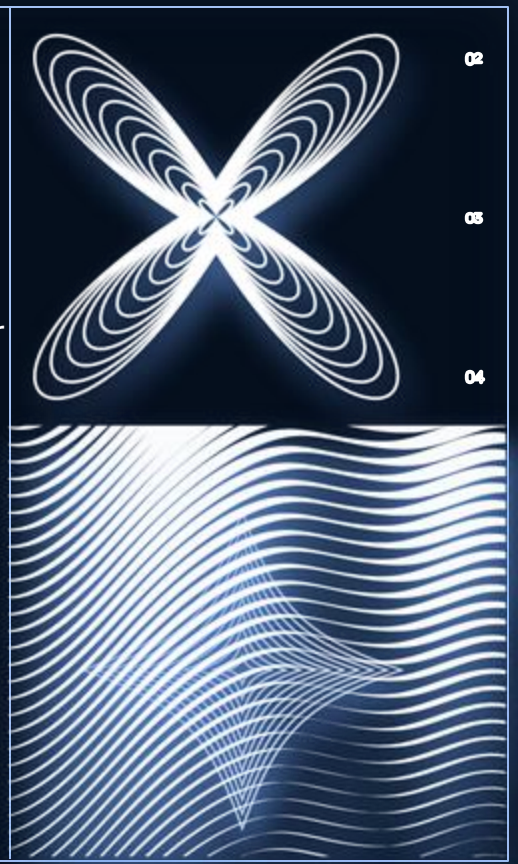
Offer real-time audio descriptions and contextual information to foster confidence and a richer world connection

LEVERAGE TECHNOLOGY

Use cutting-edge technology and user-centric design to promote inclusivity and accessibility

ENVISION THE FUTURE

Enable visually impaired individuals to navigate, participate fully in activities, and enjoy their environment effortlessly



Features of Envision

- This device is able to accurately identify objects in an open space and provides a detailed audio description.
- Our device has a modern and compact design which makes it portable.
- Our device is designed with simplicity in mind, ensuring intuitive operation for all users.
- It also has a clip at its back which allows the user the attach it to his/her pocket .
- There is a SD-CARD as well which can be used to store the images that were previously captured by the user.

SWOT ANALYSIS

STRENGTH

> Less expensive
> Speedy identification of the place
> Simple to work

WEAKNESS

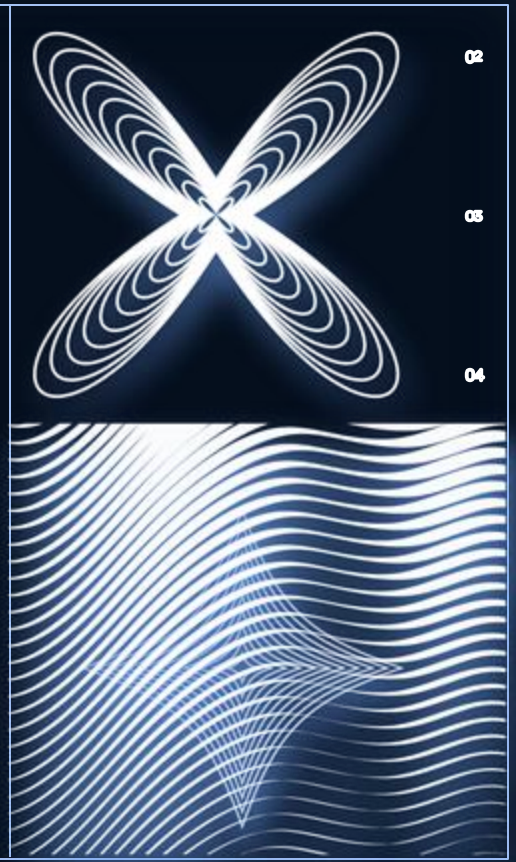
> Limited market awareness
> Dependence on external devices
> Initial investment

OPPUTUNITIES

> Emerging market with no established products
> Willingness to buy helping items

THREATS

> Technological advancements by competitors
> Changing technology landscape
> Market penetration



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Device Functionality Overview

Button 1: Initiates an Instance and Capture Image

> Exits power-saving mode and activates the camera to capture an image of the user's surroundings for description.

> Establishes a network connection to initiate a new instance with the server-based LLM.

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Device Functionality Overview

Button 2: Output Image Description

> Sends a command to the server to process the captured image.

> Receives and outputs the image description through the user's earphones.

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Device Functionality Overview

Button 3: Activate voice command

> Activates voice command and sends a voice message to the server for obtaining the description of a more specific object in the field of view of the image taken .

> Receives a more detailed and enhanced description of the specified object from the server.

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Device Functionality Overview

Automatic Reset

>The device will automatically reset the conversation if it remains unused for more than 15 minutes.

WORKING

FLOWCHART

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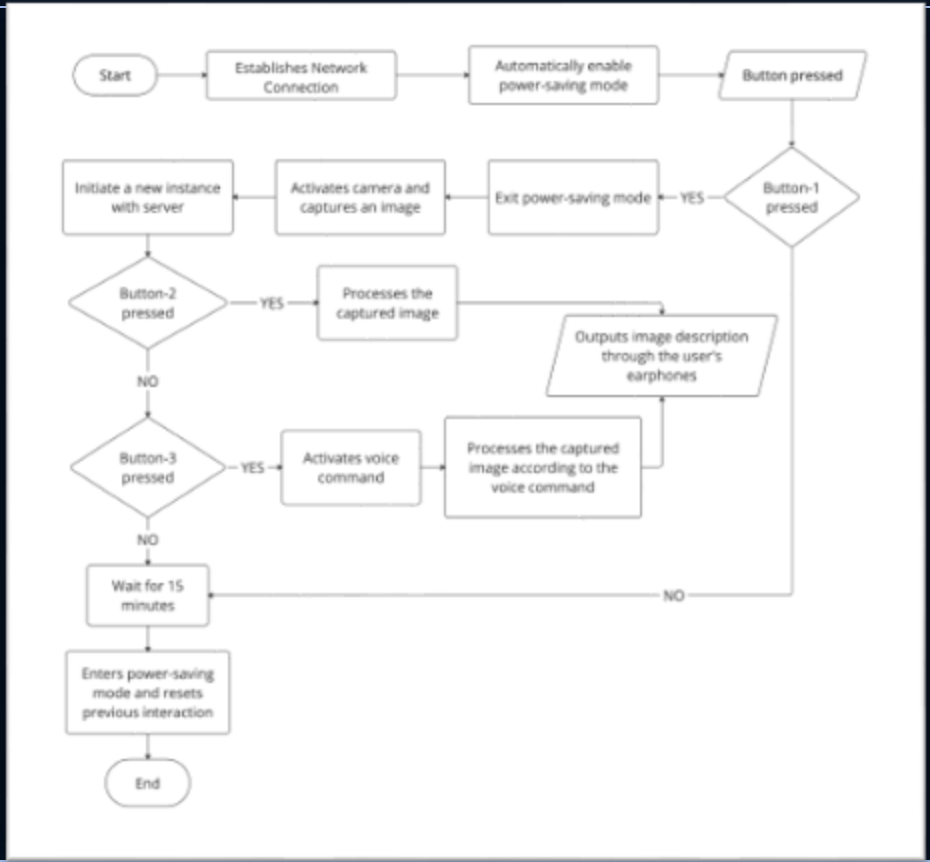

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THANKS!