

IMAGINEAI

Illuminating the path for the blind



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OUR TEAM MEMBERS

OUR GUIDE

PROF.PROF. ASHLY THOMAS

ASSISTANT PROFESSOR

DEPT. OF CSE

MELISSA MANOJ THONDOLI

DONA SIBY

KARUN CHERY JAMES

GAUTHAM BABU

PROBLEM STATEMENT

Visually impaired people face significant challenges in navigating the world, from reading text and identifying objects to avoiding obstacles and interacting with their surroundings. These challenges can limit their independence and make it difficult to participate fully in society.





OUR SOLUTION

"ImagineAI" revolutionizes the lives of the visually impaired, merging machine learning, computer vision, and IoT to bridge sensory gaps. It translates real-time visuals into auditory cues and haptic feedback, empowering navigation and awareness. This innovation offers safety by recognizing traffic signals and extends to literature through OCR-enabled books. IoT integration enhances spatial perception and interaction, making landmarks and objects accessible. "ImagineAI" stands for inclusivity, symbolizing technology's potential to uplift communities, fostering independence and empowerment for the visually impaired. This project epitomizes innovation's ability to reshape lives, creating a more accessible world where everyone can thrive.

GOALS

- **Reading text:** EnvisionAI can read text aloud, including handwritten notes, text on food packages, and the pages of an entire book.
- **Identifying objects:** EnvisionAI can identify objects and describe their appearance, such as people, places, and things.
- **Avoiding obstacles:** EnvisionAI can alert users to obstacles in their path, such as steps, doorways, and other people.
- **Interacting with surroundings:** EnvisionAI can help users interact with their surroundings more easily, such as by identifying landmarks and providing directions.

BENEFITS

- Increased independence
- Improved safety
- Enhanced quality of life



CONCLUSION

ImagineAI is more than just a technological innovation; it is a symbol of hope and inclusion. ImagineAI demonstrates the power of technology to uplift communities and empower individuals to overcome challenges. This project is a testament to the potential of innovation to reshape lives and create a more accessible world for visually impaired.

Thank You

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