SMARTER CANE

PROBLEM STATEMENT

The smart cane features a built-in vibrator and a 1-meter range sensor to detect objects directly ahead. However, due to its limited range and lack of defined object recognition, visually impaired individuals struggle to identify the specific object in their path. This limitation hinders their ability to discern obstacles accurately, impeding the cane's effectiveness in providing comprehensive assistance to users with visual impairments.

TEAM MEMBERS

Hemanth Deekshith,CS   **Chiranjeevi Gowda L CS**
Sanjay Kumar S EC   **Dhanush M V EC**
Charan TC CS

SOLUTION

The objective is to implement diverse methods for indicating battery percentage, triggering through Arduino circuitry when the stored electricity depletes. This prototype aims to alert users about the hearing aid's battery level before it shuts off due to low charge. Rechargeable hearing aids necessitate battery status indicators for timely recharging. By incorporating a voltage-based battery percentage indicator, users can connect for charging upon observing the percentage, enabling proactive battery management and receiving low battery alerts for timely action.

COMEDKARES STUDENT REPROT