GOPALAN MYSORE ROAD CENTER

RECHARGEABLE HEARING AID

PROBLEM STATEMENT

Rechargeable hearing aids are essential due to the inconvenience of frequent battery replacements. This convenient and user-friendly feature holds significant appeal for numerous hearing aid users. The option for rechargeability simplifies the experience, enabling seamless utilization of the full array of features offered by digital hearing aids. It not only provides ease but also facilitates the enjoyment of various functionalities that these aids bring forth, enhancing the overall user experience.

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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.