ABSTRACT

The AeroTouch introduces a wireless, gesture-based input solution for specially abled individuals by providing an intuitive and accessible means of computer interaction that aims to create a user-friendly and adaptable keyboard system. For individuals with mobility impairments who have limited use of their hands or fingers, AeroTouch can detect gestures made with hands and fingers, enables seamless computer interaction, fostering independence and ergonomic design, promising a more intuitive and efficient digital experience. By utilizing non-contact input methods, the system allows users to interact with computers without the need for traditional physical keyboards or pointing devices. AeroTouch prioritizes accessibility, ensuring that individuals with diverse needs can benefit from its user-friendly design. Its adaptability and broad application potential makes it a groundbreaking development with far-reaching implications in the world of technology. AeroTouch represents a significant step towards bridging the digital divide and promoting greater accessibility in the world of computing for those with disabilities.