 ACE

Engineering College

An Autonomous Institution

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# DEPARTMENT OF DATA SCIENCE

Project Title: Hand Gesture Control for web apps

Abstract:

This project introduces a revolutionary hand gesture recognition system that enables users to interact with computers without traditional input devices like keyboards and mice. By leveraging advanced computer vision and machine learning technologies, the system tracks hand movements and translates them into precise cursor actions, providing a seamless and intuitive user experience. The gesture-controlled system offers numerous benefits, including improved accessibility for users with physical disabilities, enhanced hygiene in environments where germs are a concern, and increased intuitiveness for users who prefer a more natural way of interacting with digital content. With its real-time processing capabilities and smooth gesture recognition, the system delivers a fluid and responsive experience that's perfect for a variety of applications. The potential applications of this technology are vast and varied, ranging from assistive technology and gaming to smart environments and virtual navigationWith further enhancements, such as expanded gesture support and custom gesture mapping, this technology is sure to have a significant impact on the future of human-computer interaction.

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