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IOT Gesture Recognition-Based Virtual Keyboard and Mouse

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Abstract: *Recognition-based virtual mouse and keyboard systems use gesture recognition technology to control mouse movements and keyboard inputs without physical devices. Instead of using a physical mouse or keyboard, users can perform hand or finger gestures in the air, which are captured and interpreted by a camera or sensor system. Gesture abstracts in this context refer to the specific hand or finger movements that are recognized and associated with certain mouse or keyboard actions. These gestures are predefined and programmed into the recognition system, allowing users to perform specific movements to simulate the actions of a traditional mouse or keyboard.*

Keywords: Gesture recognition, hands-free, Artificial Intelligence, Mouse Movement