Abstract

The application module named TouchSwype allows a user to type words into applications like Notepad or Microsoft Word without accessing the keyboard or mouse. Module AbsTouch bridges the gap between a touch-screen phone and the PC by allowing the user to use the touchpad as a touch-screen for a corresponding click on the screen. The touchpad acts as a
scaled down version of the computer screen and makes the monitor a virtual touch-screen, free of cost. Opening any application demands a series of folder traversing or cluttering the desktop with “shortcuts”. The third module in the application, aptly named GestApp is a gestural application launcher where you can gesture a predefined letter onto the touchpad to open any application of your choice. People with motor impairments, often cannot use a conventional mouse and keyboard. They may lack sufficient mobility to reach for these devices, or sufficient endurance to use them for more than a few minutes. Our application, Unistroke (the combination of TouchSwype, AbsTouch and GestApp), offers an innovative alternative for those people to control their desktop and enter text.

Reference

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Index Terms

Computer Science

Embedded Systems

Key words

TouchSwype

AbsTouch

Input Devices

Computer Access