DIGITAL TOUCH-SCREEN PRESENTATION MEDIA UTILIZING BLUETOOTH COMMUNICATIONS AND INFRA-RED TECHNOLOGIES ON THE WIIMOTE

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Abstract

The conventional mode of teaching-method commonly requires a teacher or lecturer to write down study material on a board. The method of teaching has several drawbacks, because it is inefficient and time consuming and the teacher or lecturer has to repeatedly write the same material on the board over and over on different times.

That drawback has been overcome by the use of digital presentation systems which connect the computer, as a media device, and the projector as a mediator. The writer would like to provide a solution by creating a digital media presentation which enables all presentation files to be run on a touch screen board. This application was built using Wiimote, Bluetooth, and infrared technology and .Net programming language. This final project aims to make the infrared as a substitute for a mouse functionality by using Wiimote assistance to capture or receive the infrared signal. The evaluation results show that infrared pen can be used as a replacement of computer mouse.

Keywords: wiimote, digital presentation,bluetooth, infrared