Abstract

Interactive whiteboard involving human interaction have been an active field of research in past years in human computer interaction (HCI). There is a need for adoption of natural interfaces between user and computing devices. This is trending in educational as well as corporate sector where various interactive application, tools and methodologies are used to make the presentation, summarization of difficult concepts easy and also to simulate collaborative work and enhance teaching practices. For Instance, it is a common practice to draw business processes on a traditional whiteboard, using conventional modeling notation such as UML, BPMN, during meetings between software programmers and business clients. Since it is a traditional whiteboard, software developer may need to redesign the process diagram on his computer by referring the whiteboard, this can be time consuming. Alternative way will be to use pen-based input device such as an electronic interactive whiteboard or graphics tablet. Use and working of interactive whiteboard have received researchers’ attention as it has been found to be easy and highly effective interaction method. This paper presents a short review for interactive whiteboard technology and its operations proposed in the literature. Some examples
of applications are also investigated.

References


Index Terms

Computer Science

Information Systems

Keywords

Interactive whiteboard, Human Computer Interaction, User Interface, Virtual Whiteboard, Interactive Learning Environment