

Interactive Program for the Disabled

Mohammad-Nejem Abu-Arqoub
Computer Science
nejem-hala@hotmail.com

Monther Yahya Abu-Zr
Computer Science
montherzir@gmail.com

Abstract

This project is for disabled people, especially the blind and the mute.

The system allows the blind to perform actions using voice commands. The system, using speech recognition mechanism, will perform certain activities based on the recognized voice commands. The system will response with voice.

The system communicates with the mute using images captured by a web cam and then transferred into the system, and then processed to determine the activities that should be taken within the system. The system will response with images and text.

The proposed software system aims to allow the blind and mute people to communicate with all people using certain tools.

The technology used is Windows 7 speech recognition, image processing, SQL server 2008 and C#

Windows presentation Foundation (WPF) and Artificial .