

Voice based E-Mail System for Blind Person

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Abstract: *Due to its simplicity and accessibility, Internet is widely used in almost all the communication applications. Every human being is widely accessing the knowledge and information through internet. Out of these numerous applications, E-mail is the most widely used and reliable way to communicate with each other. The usage of e-mail is quite easy and lucid for regular users but when it comes to the user with visual defect, the system is yet very difficult to use. However, blind people face difficulties in accessing these text materials, also in using any service provided through internet. This paper thus aims to provide voice assistance for them. The contribution made by this research has enabled the Blind people to send and receive voice-based e-Mail messages in their native language with the help of a computer.*

Keywords: Voice based Email for blind person, visually impaired, Speech-to-text, text-to-speech, Speech recognition

REFERENCES

- [1]. Jagtap Nilesh, Pawan Alai, Chavhan Swapnil and Bendre M.R. "Voice Based System in Desktop and Mobile Devices for Blind People". In International Journal of Emerging Technology and Advanced Engineering (IJETA), 2014 on Pages 404-407 (Volume 4, issue 2).
- [2]. <http://www.ijarccce.com/upload/2015/january/ijarccce5c.pdf>
- [3]. M.R. Univar Banu P K, "Voice Based Search Engine and Web page Reader". In International Journal of Computational Engineering Research (IJCER). Pages 1-5
- [4]. Ender Tekin, James Coughlan – "A Mobile Phone Application Enabling Visually Impaired Users to Find and Read Product Barcodes", July 2010, Page-290- 295.
- [5]. Wagner S. (Halle). Intralinguas speech-to-text-conversion in real time Challenges and Opportunities. Muttra 2005 – Challenges of Multidimensional Translation: Conference Proceedings SAMUEL THOM.
- [6]. Speaker/Voice-Command Recognition in MATLAB <http://matlabrecognition-code.co>
- [7]. Preeti Saini, Parneet Kaur "Automatic Speech Reorganization: A Review", International journal of Engineering Trends and Technology Volume 4 Issue 2-2013.