

Vocal Airmail Service for Visually Impaired through Multimedia Approach

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Abstract: *With the advent of technologies in computer, many technological solutions have been implemented for visually impaired so that they can utilize them, and get benefited by them. Considering it as a key idea we have built a desktop application that will help blind people to send and read emails as ordinary people do. In this research paper we describe the VMAIL system architecture for Python platform that can be used by a Blind Person to access e-mails easily. The application uses 'text to speech' and voice recognizer to facilitate sending, reading, emails using a computer. Internet has become one of the basic amenities for day-to-day living. Every human being is widely accessing the knowledge and information through internet. However, blind people face difficulties in accessing these text materials, also in using any service provided through internet. The advancement in computer based accessible systems has opened up many avenues for the visually impaired across the globe in a wide way. Audio feedback based virtual environment like, the screen readers have helped Blind people to access internet applications immensely. We describe the Voicemail system architecture that can be used by a Blind person to access e-Mails easily and efficiently.*

Keywords: Vocal Airmail Service

REFERENCES

- [1]. Aman Pratap Kushwaha, Aayushmaan, Harendra Singh "Voice-Based Email System" Volume 6, Issue 7, July – 2021 IJISRT
- [2]. Paulus A. Tiwari, Pratiksha Zodawan, Harsha P. Nimkar, Trishna Rotke, Priya G. Wanjari, Umesh Samarth. "A Review on Voice based E-Mail System for Blind". IEEE Xplore International Conference on Inventive Computation Technologies 2020 ICICT.
- [3]. Rijwan Khan, Pawan Kumar Sharma, Sumit Raj, Sushil Kr. Verma, Sparsh Katiyar "Voice Based E-Mail System using Artificial Intelligence" 2020 International Journal of Engineering and Advanced Technology (IJEAT) Volume-9 Issue-3
- [4]. Dr. S. Brindha, Ms. D. Priya, Mr. S. Mukesh, Mr. C. Dinesh Kumar, Mr. R. K. Naveen "Voice based email for visually challenged people" 2020 International Research Journal of Engineering and Technology (IRJET) Volume: 07 Issue: 03
- [5]. Sherly Noel. "Human computer interaction based Smart Voice Email Application - Assistant for Visually Impaired Users" IEEE Xplore International Conference on Smart Systems and Inventive Technology 2020 ICSSIT