

Title: Design and Implementation of Text To Speech Conversion for Visually Impaired People

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Outlet: International Journal of Applied Information Systems (IJ AIS) – ISSN: 2249-0868

Date:

Abstract: A Text-to-speech synthesizer is an application that converts text into spoken word, by analyzing and processing the text using Natural Language Processing (NLP) and then using Digital Signal Processing (DSP) technology to convert this processed text into synthesized speech representation of the text. Here, we developed a useful text-to-speech synthesizer in the form of a simple application that converts inputted text into synthesized speech and reads out to the user which can then be saved as an mp3.file. The development of a text to speech synthesizer will be of great help to people with visual impairment and make making through large volume of text easier.