



313/C

Design and implementation of a system to enhance accessibility information for visually impaired people

L A M P Nimalaratne, A P Madurapperuma* and K A R D Gunaratne

*Department of Electrical and Computer Engineering, Faculty of Engineering Technology
The Open University of Sri Lanka, Nawala, Nugegoda*

This project aims to provide an alternative way of accessing the web content in Sinhalese for blind or visually impaired people. This goal is achieved by utilizing an existing Sinhala text to speech system to develop a plug-in for an internet browser which is based on the Festival Framework. This research is the first attempt to build a Sinhala text to Speech Extension for internet browsers. The application can convert the text displayed by a browser to speech. This application allows the user to select the text on the web page with the mouse. The selected text is provided as an input to the speech program that runs in the back end. The attached speech plug-in enables the speech program and converts the selected text into speech.