

Pronunciation Training System to Enhance Sinhala and Tamil Language Skills

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This is a pronunciation training system to enhance Sinhala & Tamil language skills. Most commercial pronunciation systems are developed in English and those systems are limited to people with English literacy. Language is never a simple issue of communication, in contemporary social and political practice everywhere, language goes much beyond its basic utilitarian purposes. In this sense, Sri Lanka has no exception. By now, Sri Lanka has ended an immensely destructive military conflict that had much to do with a crisis of identity linked as much to language as ethnicity and contested notions of binary-nationalisms and competitive interpretations of history. As a solution for language problem between Tamils and Sinhalese, this research idea comes out. This system aimed both Sinhala and Tamil languages and is developed pronunciation training tests for both languages. This system is the only pronunciation tool develop for both Sinhala and Tamil languages. This system has been tested in both Sinhala and Tamil. Firstly system pronounce the word and user can listen to the word and pronounce the word. Then system compares both audio files and gives a score. The main objective of this pronunciation training system is comparing two audio files and giving a score as a percentage. For that Fast Fourier transformation has been used. Fast Fourier transform converts time domain waveform samples into the frequency domain spectrum samples. This system is a very user friendly system for the user. Users can select language and the words according to the preference and preview the pronouncing word before pronouncing it. As well as graphically illustrate the frequency with the time of both original and user's sound. Therefore, users can get a rough idea about the original audio and pronounced audio.

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