Mizo Text Reading System for Visually Challenged Mass

They stood up together to protect the honor of the sound, that issued from the lips of a new-born babe churning the very core of his existence, the utterance that sanctified for him his first lesson of Humanity ..."

Our Goal:

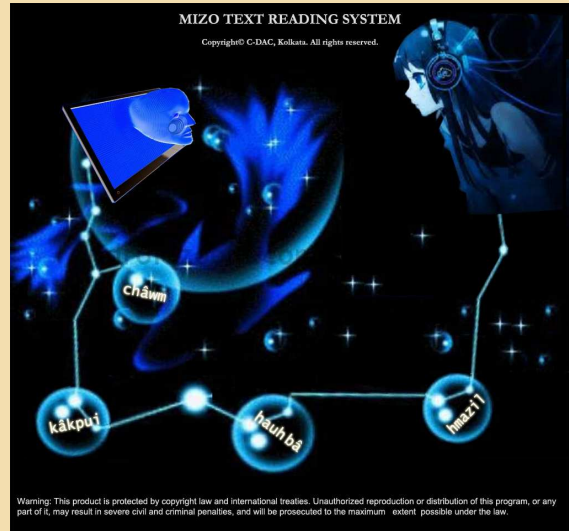To eradicate the educational barrier between sighted and non-sighted pupil of Mizoram.

Our Solution:

Mizo Text Reading System which is the outcome of a very challenging work involving the role of major technologies like Speech and Text Corpus Development, Letter to Sound rule formation and implementation, Natural Language Processing and Speech Processing. The developed system is able to meet the real-life requirements of visually impaired persons with a given level of accuracy.
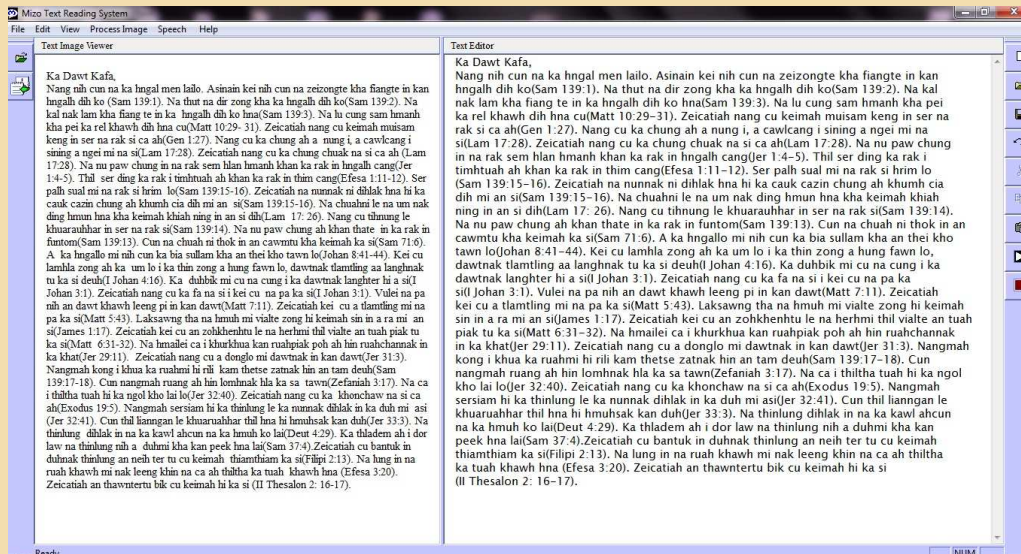
It is a good example of software that promotes self-reliance, improves productivity and changes lives of blind, visually impaired, illiterate men and women.

Mizo Text Reading System is a Text to Speech System integrated with Mizo Optical Character Recognizer (OCR).

System Features:

✓ Runs on Windows OS.
✓ Low memory requirement.
✓ Easy to integrate with other applications.
✓ The output of the OCR can be corrected manually.
✓ The system is capable of handling both Unicode and ASCII text files and scanned images of text in bmp and jpeg format.

Motivation:

⊙ Aid for the visually challenged population of the society.
⊙ Empowerment of the illiterate people to harness the benefits of IT.

Centre for Development of Advanced Computing (C-DAC)

A Scientific Society under DeitY, Ministry of Communications and Information Technology, Govt. of India

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