ABSTRACT

Current advances in technology can provide solutions to address the problems of mankind. Individuals with limited reading skills as well as the limitations in condition to read SMS messages just like in a car driving conditions, it can be helped by technology Text To Speech (TTS). In this final Task, created the application SMS text to voice conversion. In principle, the TTS system has two sub-system i.e. NLP (Natural Language Processing) or Text to Phoneme and DSP (Digital Signal Processing) or Phoneme to Speech.

Input text sub system in NLP is a particular language to be changed to a set of codes which are usually represented by the code diphone. Based on these codes, the Phoneme converter to generate sound or Greeting will be a signal that matches the sentence pronounced by the wish to help diphone database. The test results obtained from the application of SMS performance 83.67% pronunciation. Deperoleh is the Mean Opinion Score of application of 3.21 with percentage of spelling 54,54% truth.

Keyword : *Text-to-Speech, diphone, SMS*