A New Approach of Emotion and Facial Expression Detection of Speaker with Conversion of Text to Speech and Vice Versa for Hindi Language

Abstract

In India, Hindi is the official language spoken by the majority of the population. Text is a human readable sequence of characters and the words they form that can be encoded into computer readable formats. Speech play very important role in individual and collective lives of the people and it represents the spoken form of a language. Expression is defined as the quality or power of expressing an attitude, emotion, feeling, spirit, character etc. on the face or in artistic execution. Emotion is an affective state of consciousness in which joy, sorrow, fear, hate, or the like is experienced as distinguished from cognitive and states of consciousness. The main goal of the proposed system is to be performed Text to Speech (TTS), Speech to Text (STT) and expressive speech synthesis. The proposed system database consists of huge set of
words, images and audio files which help to perform training of database. The most important qualities expected from a speech synthesis system are naturalness and intelligibility. Speech to text system may seem effective and very useful.

References


**Index Terms**

Computer Science

Pattern Recognition

**Keywords**

Text To Speech  Speech To Text  Expressive Speech Synthesis  Gaussian Mixture Model

Speech synthesizer And Mel Frequency Cepstral Coefficients.