Abstract

Speech is a most popular biometrics nowadays used for human interaction. An emotion is a mental and a physiological state of a person. Emotion Based Speaker Recognition has attracted many researchers. Emotions are associated with the variety of feelings and thoughts. An emotion based speaker recognition system, recognizes the person's emotions based on pitch, speaking style, intensity, sampling frequency. Mel frequency Cepstral Coefficient is the first step in a speaker recognition system. In this paper, we are implementing the gender -
based modified MFCC approach to differentiate the individuals. For the classification purpose we have used the K-means algorithm.

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Index Terms

Computer Science
Electronics & Computing

Technologies
Keywords

Emotion recognition From Speech  fourier Transform  Traditional Mfcc  Modern Mfcc approach nearest Neighbor algorithm

K-means

Vector Quantization.