Abstract

Voice recognition is an important and active research area of the recent years. This research aims to build a system for voice recognition using dynamic time wrapping algorithm, by comparing the voice signal of the speaker with pre-stored voice signals in the database, and extracting the main features of the speaker voice signal using Mel-frequency cepstral coefficients, which is one of the most important factors in achieving high recognition accuracy.

References

Voice Recognition using Dynamic Time Warping and Mel-Frequency Cepstral Coefficients Algorithms

- Judith A. Markowitz, "Voice Biometrics", September 2000/Vol. 43, No. 9 Communications of the ACM.

Index Terms

Computer Science
Signal Processing
**Keywords**
Voice Recognition  Feature Extraction  Feature matching  voice signal.