Abstract

Speaker identification (SI) is the system to identify the person by the signal pattern of their voices. In recent years, many speaker identification models are proposed, but till now speaker identification technology do not reach their full potential. This paper presents a comprehensive comparative study of VQ and GMM to identify the speaker who speaks in Bengali accent. We consider the problem of text-independent speaker identification. We compare the performance/accuracy of VQ and GMM based Speaker Identification System (SIS). We use Mel Frequency Cepstral Coefficients (MFCC) and Liner Predictive Coding Coefficients (LPCC) for feature extraction.

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Index Terms

Computer Science

Information Sciences

Keywords
Bengali Speaker Identification, SI, Voice Recognition, MFCC, LPCC, VQ, GMM.