Abstract

The speaker verification is a process of verifying the identity of the claimants. It performs one to one comparison between a newly input voice print and the voice print for the claimed identity that is stored in the database. In this paper, linear predictive coding co-efficient has been used for formant detection. The peak frequencies in the frequency response of vocal tract are
formants, which is being detected and compared for verification. Data base of twenty persons having five samples per person including male and female has been created for analysis of results. The System (Speaker verification) is usually employed as a "gatekeeper" in order to provide access to a secure system. These systems operate with the user's knowledge and typically require the user's cooperation. The developed system uses the LabVIEW (Laboratory Virtual Instrument Engineering Workbench) 2009 platform.

Reference

- The project: Speaker Verification, from ni.com.

Index Terms

Computer Science Multimedia Communication
Key words
Formant Detection           LabVIEW