Abstract

Fundamental factor in communication of humans is nothing but Emotions. It would be ideal to have human emotions automatically recognized by machines, mainly for improving human
machine interaction. Most of work in field of emotion recognition is done using recorded or offline database. Very selective research work is carried in real time high performance emotion recognition. In application of human computer interaction Real-time high performance emotion recognition is necessary for analyzing and responding to the user's emotions while he or she is interacting with an application. The proper choices of features and classifiers are important for a real-time high performance emotion recognition system. In this paper real time emotion recognition system is proposed, which extracts the emotions from real time speech based on extracting prosody, quality and dynamic features, classification of emotions using Multidimensional SVM and testing real time speech samples with training databases with emotional speech in Native Marathi language has been presented.

References

Towards Detecting Emotions from Real Time Speech

Index Terms

Computer Science
Communications

Keywords
Mfcc  Prosody Features  Quality Features  Speech Emotion Recognition  Support Vector Machine