Abstract

This paper presents the basic idea of speech recognition, proposed types of speech recognition, issues in speech recognition, different useful approaches for feature extraction of the speech signal with its advantage and disadvantage and various pattern matching approaches for recognizing the speech of the different speaker. Now day's research in speech recognition system is motivated for ASR system with a large vocabulary that supports speaker independent operations and continuous speech in different language.

References

A Review on Different Approaches for Speech Recognition System

- Abhishek Thakur, Naveen Kumar, "Automatic Speech Recognition System for Hindi Utterance with Regional Indian Accents: A Review", International Journal of

**Index Terms**

Computer Science  
Signal Processing

**Keywords**

- Feature extraction  
- pattern matching  
- ANN  
- HMM  
- DTW  
- MFCC.