Abstract

Emerging growth of information and communication technologies has influenced the research trends to focus on speech technologies. This paper we have investigated the development of
automatic Tamil speech segmentation system which would act as test bed as well as foundation for several speech applications involving Tamil language. This study proposes an algorithm for automatic segmentation of Tamil voiced speech. The calculations of absolute energy and zero crossing rates are used to process speech samples to accomplish the segmentation. The Algorithm are written and compiled using Matlab.

**Reference**

- R.Thangarajan, Natarajan A. M “Syllable Based Continuous Speech Recognition for Tamil”, in South Asian language review, VOLXVIII No 1, 2008

**Index Terms**

Computer Science  
Signal Processing

**Key words**

Speech Segmentation  
Tamil  
Zero- crossing rate