Abstract

The need for quick and broad application of Speech enabled systems is becoming obvious. Studies have shown that there is a substantial "digital divide" that prevents many of our citizens, particularly illiterate rural people, from using the emerging technology. In order to accelerate this essential "technology transfer," this research aims to develop an Interactive Voice Response (IVR) system (IVRS) for rural agricultural purpose, using Marathi speech recognition. The automatic recognition of speech, enabling a natural and easy to use method of communication between human and machine, is an active area of research. The proposed IVR system in this research uses Speech Recognition technology in Marathi language that handles the queries of transactions at "Krushi Utpanna Bajar Samiti".

References

2. "Speech Recognition on DSP: Algorithm Optimization and Performance Analysis" , YUAN
Meng, The Chinese University of Hong Kong, July 2004.


13. Saurabh Chatterjee ,Project guides: Harish Karnick, Srinivasan Umesh, Speech Recognition in Indian Languages Btp term1 report

Index Terms

Computer Science  Signal Processing

Keywords
Human Computer Interaction (HCI), ASR, IVRS, CSL MFCC, DTW, DFT