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

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**Index Terms**

Computer Science  
Signal Processing

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