

Mobile Based Hearing Aid System

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Modern mobiles are used not only for communication, but also for entertaining purposes and as assistance for humans. Mobile application and utility development of mobile phones have become a popular research area. Mostly people use mobiles for entertaining than their original purpose today. As a blooming area of technology it is very popular in modern world and it has become a regular and most common gadget in human hands.

Mobile based smart hearing aid system provides marvelous solution of less hearing and noisy audio by giving the freedom to the user to modify the audio in accordance to the user's own hearing preference. This software is capable of enhancing audio in normal conversation, while listening to music or even in calling. The main operation of this software is to enhance the audio by improving signal by boosting the audio signal using mobile java platform to provide cost effective software solution for people with hearing imperfections. In a conversation user can clarify whether the audio is in an acceptable level or otherwise the user can improve the audio by boosting it.

Further, it can be developed to improve the audio quality by reducing the noise, improving real time functionality and adding audio effects to the input audio. This concept can be used for the improvement of audio quality of a call using the same functionality.

Key words: Mobile based smart hearing aid