

Recognition of voice signals for Oriya language using wavelet neural network

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ABSTRACT

Speech recognition is both speech oriented and speaker oriented. Both have fuzzy effect on them, which adds to hardness. During speech recognition, separation of the words and again redundancy of the voice responsible for the creation of words due to vowels makes it difficult for analysis. We are trying with the wavelet neural network model to make an effective analysis for the recognition of speech signals. Here the main characteristics of speech/voice like frequency, intensity, accent and quality are analysed for better output limiting the associated noise. Here we have used the concept of “wavelon” and “scalon”. Using the control parameter of the network we have designed the wavelet network for two characters at the beginning and also we are extending for the rest of the characters.