Classification of Isolated Malayalam Spoken Words

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Abstract - It has been observed from literature, improving the recognition rate by finding out good features based on wavelet transform techniques ,is in common use. The database is created by using Malayalam (One of the south indian languages) language spoken words. WE have employed Daubechies wavelet for the experiment. The feature vector is produces for all words and formed a training set for classification and recognition purpose. Feature vectors of element size sixteen was collected for all the words for using classical wavelet to decomposition technique. Results are also prepared for the comparison of the signal at each decomposition level. The physical changes that are occurred during each decomposition levels could be observed from the results.