



International Journal on Recent Researches In Science, Engineering & Technology

A Journal Established in early 2000 and upgraded to International journal in 2013 and is in existence for the last 10 years. It is run by Retired Professors from NIT, Trichy. It is an absolutely free (No processing charge No publishing charge etc) Journal Indexed in DIIF and SJIF.

Research Paper

Available online at: www.jrrset.com

**Chief Editor : 1. Dr. M.Narayana Rao, Rtd. Professor, NIT, Trichy.
(Engg.&Technology division)**

**2. Dr. N.Sandharani, Ph.D., Professor,
Chennai based Engg.College, (Science division)**

ISSN (Print) : 2347-6729
ISSN (Online) : 2348-3105

**Volume 1, Issue 10,
Oct. 2013**

**DIIF IF :1.46
SJIF IF: 1.329**

Classification of Isolated Malayalam Spoken Words

Vimal Raj

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 produced 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.