



# 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](http://www.jrrset.com)

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

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

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

**Volume 1, Issue 9,  
September 2013**

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

---

## Energy Load Balanced Clustered networks

V. Sangeeth raj and S Radha

Abstract - It has been observed from literature that Connectivity is a basic concern in designing and implementing the wireless networks, which is also a key factor in reducing the packet delay. In this paper we are going to deal with mobile adhoc wireless networks. Most common method used for enhancing the connectivity in the adhoc networks is a cluster based technique. General cluster algorithms select the stationary node as its cluster head without considering the fact that each node in adhoc wireless network runs on battery power . It produces an energy imbalance with in the wireless network. So we propose an energy load balanced clustered networks in order to increase the connectivity of wireless networks. Our cluster head selection method considers the energy level along with the mobility pattern of each node for increasing connectivity of wireless nodes.