

## **211. ENERGY EXTENDED LINK STABILITY CONSIDERING EIGENVALUE IN WIRELESS AD HOC NETWORKS**

Rajendiran.M.#1, Subhashini.P.\*2

# PG Scholar 1, \* Assistant Professor 2

Department of Computer Science & Engineering, St.Peter's University

Avadi, Chennai- 600054. Tamilnadu, India

Email: muthusamyrajendiran@gmail.com1 , subhait2k@rediffmail.com2

Mobile ad hoc network (MANET) is provisionally created network without permanent infrastructure. On Demand Multicast Routing Protocol(ODMRP) is a popular multicast routing protocol for mobile ad hoc networks. We propose in this work eigen value routing with energy extended link stability factor mechanism is introduced to enhance the performance and multicast efficiency of on demand multicast routing protocol. The new 'eigen value energy extended link stability' is planned with the aim to find link stability multicast host in mesh network. This is done by at first recognized the energy level of entity vertices in mesh network and then transmitting the data packets. The simulation result show that an investigation, the output proved the power of the proposed mechanism over the existing multicast energy extended mesh network in terms of the eigen values.

Keywords: Eigen value, Ad hoc network, Energy consumption,, Mesh network, Spectrum, Route stability

*Journal of Science and Innovative Engineering & Technology*