Performance Analysis of Wireless Mesh Network in Hospital Environment

IJCA Special Issue on International
Conference on Electronics, Communication and Information systems

© 2012 by IJCA Journal

ICECI - Number 1

Year of Publication: 2012

Authors:
D. Prabakar
J. Pradeep
G. Arul Elango
N. Lakshmy

{bibtex}iceci1009.bib{/bibtex}

Abstract

In Wireless Mesh Network (WMN), the communications are made up of radio nodes which are
organized in a mesh topology. In this paper, an analyze is made for the existing network at the Aravind eye hospital in Theni, in order to deploy WMN in the existing network to overcome the node failure, frequent maintenance of the nodes and failure of the link between the nodes. The hospital network consists of five rural vision centres connected to the main hospital. The routing between the nodes is done by using Hybrid Wireless Mesh Protocol (HWMP) routing protocol. The performance analysis of the WMN in this hospital environment is evaluated by using various parameters in order to support video conferencing for rural patients.

References


Index Terms
Keywords
Wireless Mesh Network  Hybrid Wireless Mesh Protocol  Route Request  Route Reply