



## PERFORMANCE ANALYSIS OF IPv6 IN WIRELESS NETWORKS

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### Abstract:

The aim of this paper to know how ipv6 works and to know the performance of ipv6 and it's working principle. A wireless network is nothing about any type of network not connected by cables of any kind. We are going to analyse the performance of ipv6 in wireless networks.

### Introduction:

The main theme of this paper is to know what is ipv6 and how it works in wireless networks and what are the methodologies used in ipv6. To check the results with the user there are so deployment models and solutions in ipv6[1]. If customer wants to know whether the output is correct or not for what we are dealing with RFC 2544 method[2].The need is to know how IPv6 works efficiently, how fast it works, how speed it access the network, how fast the user will getting the reply from the user. The impact of this globalization and huge amount of various documents like: text, image, videos, audio share form one destination to another destination through wireless network line spread worldwide. In this paper we focus and how it works inside an organization and how we receive an message from that

### Keywords:

Ipv6, deployment, RFC, wireless networks.

### Materials and methods

### Detailed problem definition:

In hospital olden days we need a patient detail means we go to hospital and get the patient detail. But using ipv6

nowadays we sent a message to the particular hospital and get the patient detail in home itself.

### Solution methodology:

There are so many solutions using this ipv6 in hospital management they are:

Increased performance on wireless networks

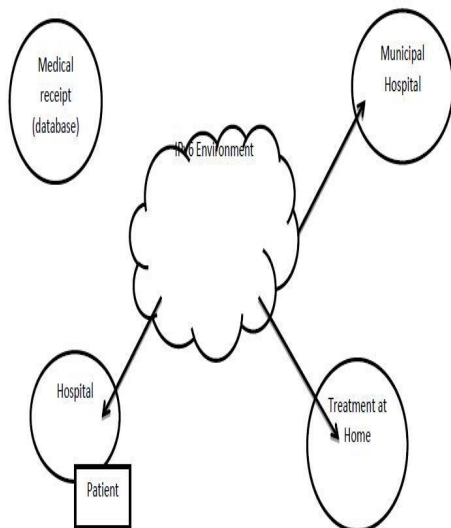
Increased address space for more no of usage

Optimized for high speed data transfers

Enhanced wireless security features

Optimized for always on real-time-networks

### Design Methodology:



<http://cp.literature.agilent.com/litweb/pdf/5989-1927EN.pdf>

**Fig 1 Diagrammatic representation of how ipv6 works in hospital field**

#### Results:

As a result we get up-to-date regarding a patient detail using ipv6 at anytime anywhere. From fig 1 we know how that hospital environment gives the efficient use of ipv6 gives to peoples who are going to access. Using RFC 2544 we analyse how it give the efficiency of ipv6.

#### Conclusion:

The conclusion is that the ipv6 increases the performance of wireless networks, Increases address space for more no of usage, optimizes for high speed data transfers, enhances wireless security features and optimized for always on real-time-networks.

#### References:

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