



## Study & overview and performance evaluation of quality of services of different types of Wimax network

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**Abstract :** Wimax is stands for Worldwide Interoperability for Microwave Access.IEEE802.16 based wimax is an emerging wireless internet technology. it has various features like internet facility over long distance, scalability, quality of service etc .it support hundreds of user per channel at speeds similar to recently for DSL, cable or a T1 connection. Wimax supports high bandwidth and promise to provide a range of 30 miles as an alternative to wired broadband like cable and DSL. it could easily provides broadband access to remote places. it use point-to-multipoint architecture. it is design for delivering broadband seamless quality multimedia services.

The implementation stage involves careful planning, investigation of the existing system and its constaint on implementation, designing of methods to achieve changeover and evaluation of changeover methods. implementation is the process of converting a new system into operation.

**Key Words :** Wimax, Worldwide Interoperability for Microwave Access, wireless internet technology

### Wi MAX Parameters:

- Service Classes
- Efficiency Mode configure
- Physical Layer (PHY) Profiles configure
- Associate SS with BS
- Service Flows
- Assign Traffic to Service Classes
- Configuring Physical Layer Parameters

### In this Study , three main parts are:

- Network model
- Node model
- Process model

Modeler provides a comprehensive development environment supporting the modeling of communication networks and distributed systems. Both behavior and performance of modeled systems can be analyzed by performing discrete event simulations. The Modeler environment incorporates tools for all phases of a study, including model design, simulation, data collection, and data analysis.

- Multiple User Communities
- Key System Features
- Typical Applications of Modeler

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